DVORNIKOV, A.G.

Types of mercury-dispersion halos in the southeastern part of the Donets Basin. Dokl. AN SSSR 154 no.5:1110-1112 F'64.

(MIRA 17:2)

1. Predstavleno akademikom D.I. Shcherbakovym.

DVORNIKOV, A.C.

Distribution of mercury, arsenic, and antimony in the rocks of the Bokovo-Khrustal'skii region (Donets Basin). Geokhimiia no.6:695-706 Je '65. (MIRA 18:7)

. 1. Institute of Mineral Resources of the Academy of Sciences of U.S.S.R., Simferopol.

DVORNIKOV, A.I., kand. ekon. nank, dots.

DVORNIKOV, A. L.

"Analysis of Control Methods." Cand Tech Sci, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman, Min Higher Education USSR, Moscow, 1955. (KL, No 18, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Refended at USSR Higher Educational Institutions (16).

BYKOV, B.Z., inzh.; DVORNIKOV, A.L., kand.tekhn.nauk, dotsent; SEMIBRATOV, M.N., kand.tekhn.nauk, dotsent

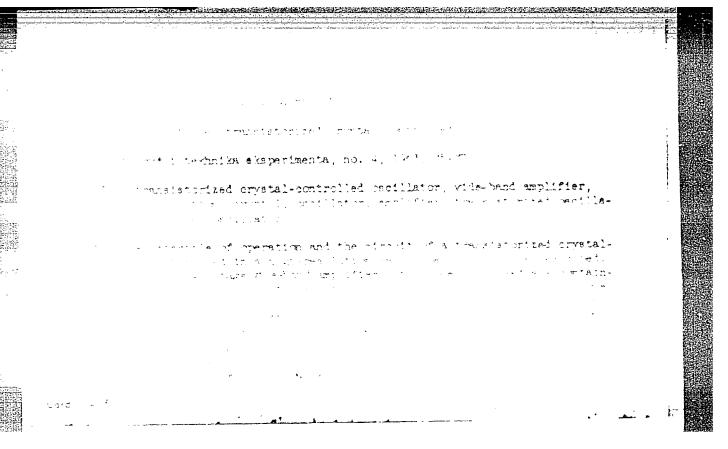
Methods for calculating the kinematic indices in the grinding and polishing of spherical surfaces. [Trudy] MVTU no.110127-39 '62. (MIRA 16:6)

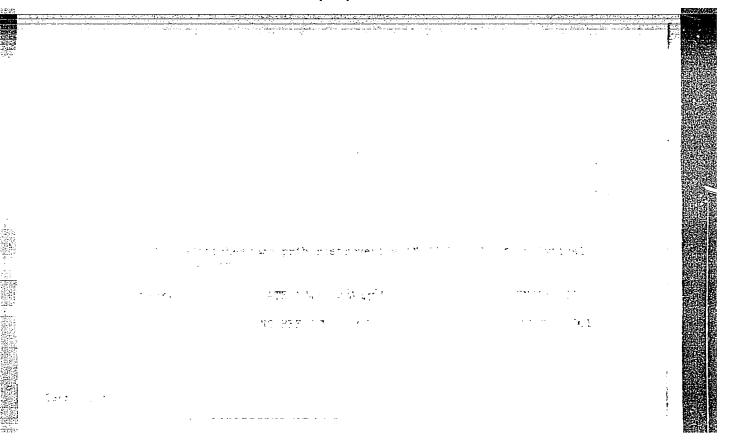
. (Grinding and polishing)

Direction Ap '60.	al antenna for three fro	equency bands. Radio (MIRA 13 pnics))	no.4:22-25 :8)	
4.24				
			•	
			•	
			·	
· ·.				

DVORNIKOV, E.

Determination of azimuth for the direction of antennas. Radio no.4:21-22 Ap '62. (MIRA 15:4) (Radio-Antennas)





DVORNIKOV, G.

These villages did not exist before. Sel'.stroi. 15 no.4:13-14 Ap '60. (MIRA 16:1)

1. Direktor sovkhoza "Takhtalym" Kunashakskogo rayona Chelyabinskoy oblasti. (Chelyabinsk Province—Rural planning)

DVORNIKOV, I.

Contact with life as a basis for legal work. Okhr. truda i sots. strakh. 3 no.5:53-56 My 160. (MIRA 13:12)

1. Zaveduyushchiy pravovym sektorom Vsesoyuznogo tsentral' nogo soveta profsoyusom. (Trade unions) (Labor laws and legislation)

DVORNIKOV, I.

"Collected labor laws." Reviewed by I.Dvornikev. Sots.trud 8 no.3: 153-155 Mr 163. (MIRA 16:3)

(Labor laws and legislation)

DVORNIKOV, I.S.; DZHELONANOV, V.S.; HOVOSPASSKIY, V.V., red.; GOLICHENKOVA, A.A., tekhn.red.

[Trade-union worker's reference book] Spravochnik profsoiusnogo rabotnika. Moskve, Izd-vo VTsSPS Profizdat, 1960. 607 p.
(MIRA 14:2)

(Trade unions-Handbooks, manuals, etc.)

DVORNIKOV, Ivan Semenovich; DZHELOMANOV, Vasiliy Semenovich; ŞHTYL'KO, Anatoliy Aleksandrovich; NOVOSPASSKIY, V.V., red.; SHADRINA, H.D., tekhn. red.

[Trade unions of the U.S.S.R.; a brief handbook] Professional nye soiuzy SSSR; kratkii spravochnik. Moskva, zd-vo VTsSPS Profizdat, 1961. 127 p. (Bibliotechka profsoiuznogo aktivista, no.13)
(MIRA 14:9)

(Trade unions-Handbooks, manuals, etc.)

BORYCHEV, N.I.; ZAV'YALOV, P.F.; <u>DVORNIKOV, I.S.</u>, retsenzent; ZHELEZNOV, B.I., retsenzent; POKROVSKAYA, I.M., red.izd-va; PROZOROVSKAYA, V.L., tekhn. red.; BOLDYREVA, Z.A., tekhn. red.

[Handbook on labor safety in coal mines] Okhrana truda na ugolinykh shakhtakh; spravochnoe posobie. Izd.2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 427 p. (MIRA 16:7)

1. Profsoyuz rabochikh ugol'noy promyshlennosti. TSentral'nyy komitet. 2. Otdel okhrany truda TSentral'nogo komiteta profsoyuza rabochikh ugol'noy promyshlennosti (for Borychev, Zav'yalov). (Coal mines and mining—Safety measures)

DVORNIKOV, I.S.

New data on fellow workers' courts. Sov. profsoiuzy 20 no.2:42-44 Ja'64. (MIRA 17:2)

1. Zamestitel' predsedatelya Komissii Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov po pravovym voprosam.

ALIMOV, O. D., doktor tokim. nauk; DVORNIKOV, L. T., inzh.; KOLODYAZHNYY, N. S., inzh.

Universal stand for laboratory testing of rotary drills. Izv. vys. ucheb. zav.; gor. zhur. 5 no.8:100-106 '62. (MIRA 15:10)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni S. M. Kirova. Rekomendovana kafedroy gornykh mashin i rudnichnogo transporta.

(Boring machinery—Testing)

ALIMOV, O.D.; ALIMOVA, A.A.; DVORNIKOV, L.T.

Investigating hole drilling conditions with the use of nomograms. Fiz.-tekh. probl. razrab. pol. iskop. no.4:81-84 165.

(MIRA 19:1)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR, Novosibirsk i Tomskiy politekhnicheskiy institut. Submitted April 15, 1965.

DYORNIKOV

AID P - 739

Subject

USSR/Aeronautics

Card 1/1

Pub. 135 - 6/21

Author

Dvornikov, M., Lt. Col. of the Guard

Title

: To bring a fighter plane out from a complicated position

Periodical : Vest. vozd. flota, 10, 34-37, 0 1954

Abstract

Special orders and detailed instructions regulate the method of bringing out by instruments a fighter plane from complicated positions. These instructions, however, have a number of deficiencies. The author indicates in examples how various instrument readings should be done, and how aircraft maneuvers should be executed. Diagrams.

Institution: None

Submitted No date

DYORNIKOY, M.

AID P - 958

Subject

: USSR/Aeronautics

Card 1/1

Pub. 135 - 2/21

Author

: Dvornikov, M., Guards Lt. Col.

Title

Notes of a pilot-inspector: 1. Against subjectivity and lack of coordination in the evaluation of the expertness

of a pilot

Periodical: Vest. vozd. flota, 12, 8-13, D 1954

Abstract

In this article some problems of checking and evaluating the technique of aircraft piloting are considered. The author stresses objectivity, coordination and uniformity of checking. He criticises some units for lack of co-ordination. He cites examples of well-performed checking in some units, and mentions the difficulty of a good

classification.

Institution: None

Submitted : No date

DUDRNIKOV, M.

AID P - 1553

Subject

: USSR/Aeronautics

Card 1/1

Pub. 135 - 6/18

Author

Dvornikov, M., Guards Lt. Col.

Title

Training of masters of air combat and sharpshooting

Periodical: Vest. vozd. flota, 2, 36-41, F 1955

Abstract

The author briefly describes the fundamentals of contemporary air combat and then discusses suitable training in detail. He stresses the necessity of flying and training in complicated weather conditions. Examples are given

and some names are mentioned.

Institution: None

Submitted : No date

DYDRNIKOV, M.

AID P - 1811

Subject

: USSR/Aeronautics

Card 1/1

Pub. |35 - 6/18

Author

: Dvornikov, M., Guards Lt. Col.

Title

: Notes of a flight instructor. 3. Special features of

training in the piloting of aircraft in overcast

Periodical: Vest. voz. flota, 3, 24-27, Mr 1955

Abstract

The author suggests a general method of training

consisting of a well-defined program. He gives some examples of the application of his method and

stresses the importance of blind flying. Some names are mentioned. Dvornikov's photo.

Institution:

None

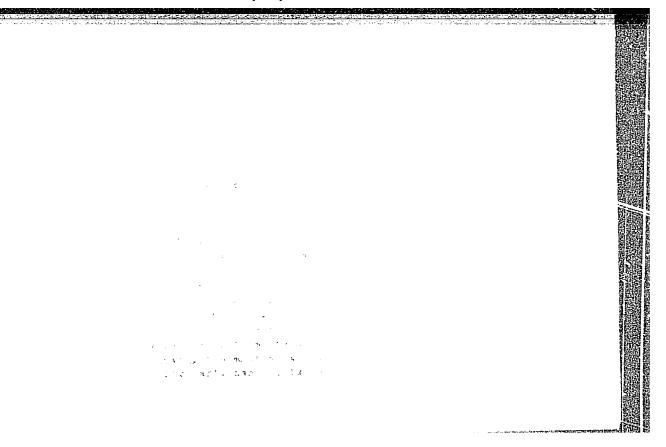
Submitted :

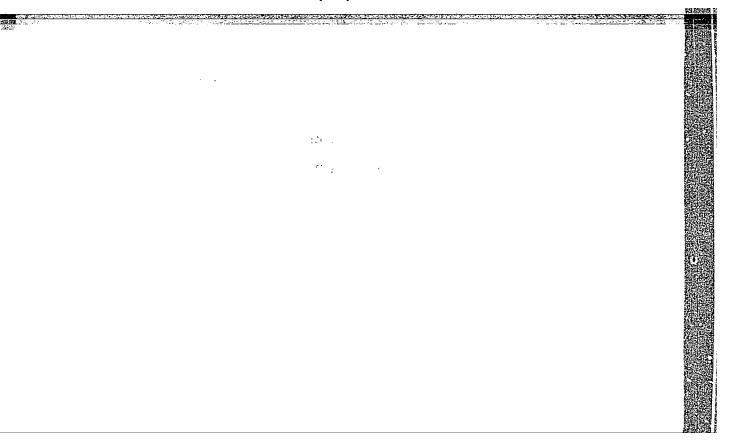
No date

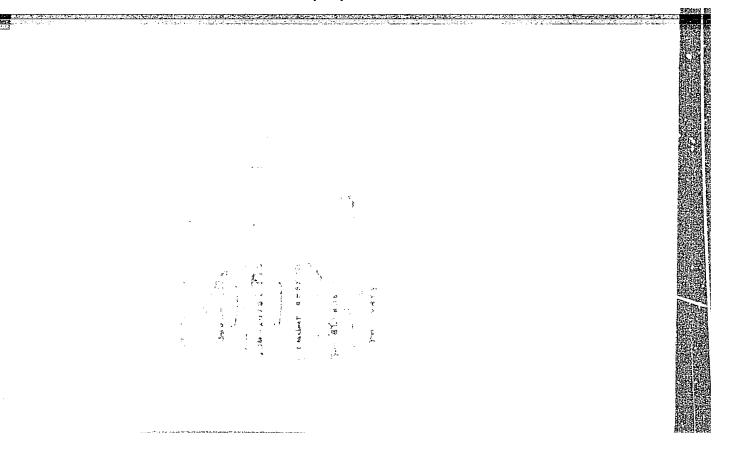
DVORNIKOV, Makar Matveyevich; KLITSA, B., red.

3

[Mechanization of free floating drive; from practices of the Makar'ev Floating Station] Mekhanizatsiia molevogo splava; iz opyta Makar'evskoi splavnoi kontroy. [n.p.] Kostromskoe knizhnoe izd-vo, 1963. 38 p. (MIRA 18:9)







DVORNIKOV, N., and P'YANKOV, N.

They achieved positive results. Mias. ind. 23, No 4, 1952.

DVORNIKOV. O. L. TOWN TOWN ITS WA, S., redaktor; BEZP YATOV, R., tekhnichniy

[Planning labor productivity and labor force in machine manufacturing plants] Planuvannia produktyvnosti pratsi i chysel'nosti robitnykiv na mashynobudivnomu zavodi. Kyiv, Derzh.vyd-vo tekhn.lit-ry UESR, 1957. 62 p. (MIRA 10:9)

(Labor productivity) (Machinery industry)

DVORNIKOV, P.I.

USSR/Cultivated Plants. Potatoes. Vegetables. Melons

M-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1615

Author : P.I. Dvormikov

Inst : Not Given

Title : The Early Tiraspol'skiy, a New Cucumber Variety

Orig Pub : Tr. Mold. ovoshche-kartof. orosit. opyt. st. Kishinev,

Gosizdat Moldavii, 1956, 225-230

Abstract: The new variety was obtained through hybridization of one of the species of Chinese cucumbers with the variety Nerosimyye. Part of the hybrids selected were repeatedly pollinated with the pollen of the Neshchinskiy variety with subsequent selection having free-re-pollination. The Farly Tiraspol'skiy has a high crop yeild and ripens earlier (6-14days) as compared with the Nezhinskiy variety. It is suitable for summer and post-harvest sowing after winter wheat, for peas after green peas, and others. The variety is allocated to the rayons of

the Central and Southern parts of Moldavia.

Card : 1/1

DVORNIKOV, P. F.

For increased viability of forest stock. Les. khoz. 5, No 8, 1952.

- 1. DVORNIKOV, F. P.
- 2. USSR (600)
- 4. Spindle Tree
- 7. Use every means to raise the level of spindle tree cultivation, Les khoz., 5, No 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

TIKHOMIROV, Boris Nikolayevich; KOROPACHINSKIY, Igor' Yur'yevich; FALALEYEV, Eduard Nikolayevich; DVORNIKOV, P.P., red.; SVETLAYEVA, A.S., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Larch forests of Siberia and the Far East] Listvennichnye lesa Sibiri i Dal'nego Vostoka. Moskva, Goslesbumizdat, 1961. 163 p.

(MIRA 14:12)

(Siberia—Larch)

DVORNIKOV, S.

Ventilated keramzit-concrete roof panels. Na stroi.Ros. 6 no.2:21 F '65. (MIRA 19:1)

1. Direktor proizvodstvennogo ob"yedineniya "Stroitel" "Glavnogo upravleniya po stroitel stvu v Moskovskom ekonomi-cheskom rayone Ministerstva stroitel stva RSFSR.

DVORNIKOV, S.L., inzhener.

Experience in producing wire-reinforced concrete fleor beams.

Stroi.prom. 35 no.6:30-31 Je 157. (MIRA 10:10)

(Reinforced concrete) (Floors, Concrete)

DVORNIKOV, S.L., inzh.

Plant production of rods for wire-reinforced concrete. Stroi.prom.
35 no.9:42-44 S '57. (MIRA 10:10)
(Zhukovskiy--Prestressed concrete)

DVORVIKOV, S.L., inzh.

Efficiency of using multi-hollow floorings. Stroi.prom. 36 no. 4:40-42 Ap '58. (MIRA 11:4) (Floors, Concrete)

DVORNIKOV, V., mayor

We are increasing the mileage between overhauling operations. Voen. vest. 41 no.7:58-59 Jl *61. (MIRA 15:1) (Tanks (Military science))

BRUSENTSEV, F.A.; DVORYANKIN, V.F.

Method of least squares in the structural analysis of crystals.

Zhur-strukt.khim. 4 no.3:465-481 My-Je '63, (MIRà 16:6)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR. (Crystallography) (Lattice theory)

DVORNIKOV, V.M.

Is it necessary to moisten the fibers in linen manufacturing?

Tekst. prom. 19 no.9:64-66 S 159. (MIRA 12:12)

DVORNIKOV, V.M., inzh.

Efficient utilization of raw materials in flax processing enterprises. Tekst. prom. 20 no. 11:70-71 N *60.

(MIRA 13:12)

(Flax)

DVORNIKOV, V.M.

Make wider use of potentials in the primary processing of flax and hemp. Tekst. prom. 24 no.8814-19 Ag '64.

(MIRA 17:10)

l. Starshiy inzh. Glavnogo upravleniya po snabzheniyu i sbytu syr'ya tekstil'noy promyshlennosti pri Sovate narodnogo khozyaystva RSFSR.

DVORNIKOV, V.M.

Efficient utilization of fibers obtained from the scutchers.
Tekst.prom. 25 no.1:27-28 Ja *65. (MIRA 18:4)

1. Starshiy inzh. Rostglavtekstil'snabsbytsyr'ye.

DVORNIKOV, V.N., inzh.

Problems in the electrification of the Kazakhstan Railroad. Zhel. dor. transp. 43 no. 7:18-21 Jl 161. (MIRA 14:7)

1. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva Kazakhskoy dorogi.

(Kazakhstan-Railroads-Electrification)

DVORNIKOV, V.S.

Automatic machines for packing and boxing ball bearings. Stan. i instr. 28 no.12:19-21 D '57. (MIRA 10:12) (Ball bearing) (Packing for shipment)

S/121/61/000/008/002/006 D041/D113

AUTHOR:

Dvornikov, V.S.

TITLE:

Pneumatic suction systems for machining the surface of various

work pieces by means of steel shot

PERIODICAL: Stanki i instrument, no. 8, 1961, 7-12

TEXT: Since it is impossible to remove scale, corrosion etc. from the inner surfaces of forgings and stampings of relatively small diameter, using a broad steel-shot jet produced by rotary shot blasting installations, pneumatic suction systems are used for this purpose. The suction system must have small dimensions, a simple design, and a short suction nozzle in which the shot is moved at not more than O.1 m/sec. The basic factors affecting the speed of the shot ejected from the working nozzle, the amount of shot ejected per unit of time, and the rational air consumption, are the following: the vacuum in the suction chamber, air pressure, the diameter, length and shape of the working nozzle, and the diameter of the air nozzle. The experimental data obtained by TsITM indicate that the air consumption increases with increasing diameter of the air nozzle and increasing pressure in the system, while the increase in the air consumption at constant Card 1/3

Pneumatic suction systems...

S/121/61/000/008/002/006 D041/D113

pressure is directly proportional to the increase of the air nozzle's cross-section. The author compared two new shot blasting installations: (1) with one working nozzle, and (2) with two working nozzles (Fig. 7) placed at an angle of 30° to each other. Cut steel spring wires of the NK (PK) brand 1.6, and 0.6 mm in diameter were used as shot. The shot was heated to 820°C and hardened in water. The peripheral speed of the machined surface was 2 to 2.5 m/min. The following conclusions were drawn: (1) The two-nozzle system works with a 2.5-3 times smaller consumption of power and compressed air and a 2-2.5 times higher efficiency than conventional shot blasting installations with one working nozzle. (2) Air consumption can be reduced by systems. (3) The angular arrangement of the nozzles in two planes considerably increases the shot's effectiveness. There are 8 figures, 1 table and

Card 2/3

AFANAS'YEV, G.D.; AFANAS'YEV, L.M.; BELIKOV, B.P.; KOPTEVDVORNIKOV, V.S.; MIKHAYLOV, N.A.; MONICH, V.K.; FAVORSKAYA,
M.A.; prinimali uchastiye: DISTAHOVA, A.H.; YELISEYEVA, O.P.;
MARFUNIN, A.S.; YUNAKOVSKAYA, Yu.V.; USTIYEV, Ye.K., doktor
geolwin. nauk, otv. red.; NEMANOVA, G.F., red. izd-va; BYKOVA, V.V., tekhn. red.

[Principles of the geological mapping of intrusive and extrusive formations as exemplified by petrographic studies in Kazakhstan, Transbaikalia, the Northern Caucasus, and Maritime Province] Printsipy geologicheskego kartirovaniia intruzivnykh i effuzivnykh formatsii na primere petrograficheskikh issledovanii Severnogo Kavkaza, Kazakhstana, Zabaikalia i Primoria, Moskva, Gos.nauchno-tekhn, izd-vo lit-ry po geol.i ckhrane nedr, 1960.

341 p. (MIRA 14:5)

1. Akademiya nauk SSSR. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii. 2. Sotrudnik Instituta geologicheskikh nauk AN Kaz. SSR (for Monich). 3. Sotrudnik Vsesoyuznogo geologicheskogo instituta (for Mikhaylov) 4. Sotrudniki Moskovskogo gosudaratvennogo universiteta (for Yunkovskaya, Distanova)

(Rocks, Igneous)

DVORNIKOV, V.S.

Step-by step toothed accumulating conveyer for transporting straight shafts. Stan.i instr. 32 no.7:10-13 J1 '61.

(MIRA 14:6)

(Conveying machinery)

DVORNIKOV, V.S.

Pneumatic suction system for peening surfaces of various objects with steel shot. Stan.i instr. 32 no.8:7-12 Ag '61.

(Shot peening) (MIRA 14:8)

DVORNIKOV, V.S. Vertical rack-type step-by-step conveyer. Stan.i instr. 32 no.10:19-20 0 61. (MIRA 14:9)

(Conveying machinery)

I. 44414-66 EWT(d)/FSS-2/EWT(m)/EWP(j)/T IJP(c) WW/RM

ACC NR: AP6024902 (A) SOURCE CODE: UR/0317/66/000/007/0054/0061 40

AUTHOR: Dvornikov, Yu., (Colonel Corps of Engineers); Kudashev, G., (Lieutenant Colonel Corps of Engineers, Candidate of Technical Sciences)

ORG: none

TITLE: Preservation and storage of communication equipment()

SOURCE: Tekhnika i vooruzheniye, no. 7, 1966, 54-61

TOPIC TAGS: communication equipment, equipment preservation, equipment

storage, silica gel

ABSTRACT: Methods of protecting communication equipment by means of silica gel against high relative humidity are recommended. The equipment is stored with the silica gel under a sealed cover made of organic film of low penetrability. Calculations and experiments have demonstrated that in the moderate climate of central USSR covers made of a 0.15-mm thick polyethylene film preserves equipment for about three years if it is covered with 1 to 1.2 kg of silica gel for each

Card 1/2

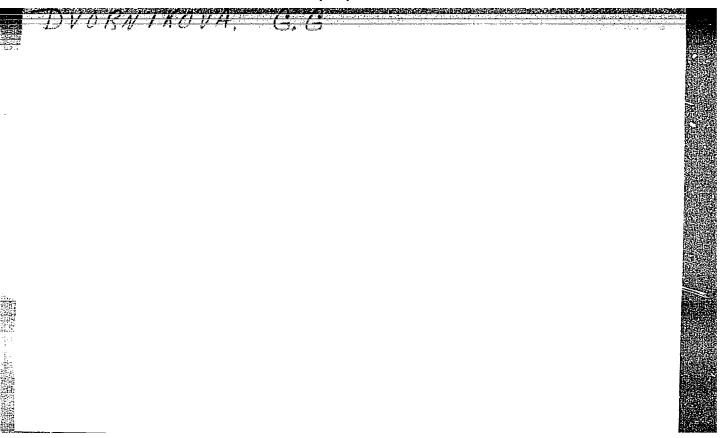
L հիրյի-99

ACC NR: AP6024902

1 m² of the cover surface. It is recommended that the polyethylene film of the cover should be 0.15—0.2 mm thick. All the apertures and slots of automobile and armored transport bodies are plastered with a water resistant material 5 and 1.0—1.5 kg of silica gel for each 1 m² of the sealed surface is placed inside the body. This method is used for communication equipment inside the automobiles. The automobiles themselves should be kept in unheated sheds. Tank gauze, tank glue, and polyethylene tape are used as sealing materials. The relative humidity is checked by the color of the silica gel inside the body which turns rose when the humidity reaches about 55%. In general, the permissible humidity for any method of preservation should not exceed 55%. When this limit is exceeded the moist silica gel has to be replaced. Orig. art. has: 4 figures. [DW]

SUB CODE: 11/ SUBM DATE: none/

Card 2/2



KODZHAKULIYEV, G.K.; DVORNIKOVA, T.M.

Effect of "chal", a lamente product, on the enzymic activity of intestines in health and in pathology. Zdrav. Turk. 8 no.2:12-15 F*64 (MIRA 17:4)

l. Iz kafedry gospital'noy terapii (zav. - dotsent G.K. Khodzhakuliyew) Turkmenskogo gosudarstvennogo meditsinskogo instituta.

DVOHNIKOVA, I.V.; STARTSEV, G.P.; GOLOVANOVA, M.N.

Measuring the concentration of atoms in a d.c. arc from the self-reversal of spectrum lines. Fiz.sbor. no.4:61-64 58.

1. Gosudarstvennyy ordena Lenina opticheskiy institut imeni S.I.Vavilova.

(Electric arc) (Spectrum, Atomic)

Sov/51-4-4-1/24

AUTHORS: Dvornikova, I.V. and Nagibina, I.M.

TITIE: Determination of the Degree of non-uniformity in DC and AC Arc Discharges (Opredeleniye stepeni neodnorodnosti dugovogo razryada postoyannogo i peremennogo toka)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol IV, Nr 4, pp 421 - 429 (USSR).

The present paper describes experimental investigation ABSTRACT: of non-uniformity in spatial distribution of excited and normal atoms and ions in arc discharges. The investigation is based on the theory of emission by a non-uniform source given by Cowan and Dieke (Ref 5) and on new experimental data of distribution of temperature of neutral atoms across an arc discharge (Refs 3, 4). The non-uniformity is determined from the depth of dips of self-reversed multiplet lines. The AC and DC arcs were burning at atmospheric pressure. Non-uniformity was determined for neutral atoms of chromium and manganese and ions of calcium and strontium. To measure the dip in self-reversal lines, a Fabry-Perot etalon was used together with spectrographs of high dispersive power. The optical apparatus used to study DC arcs is shown in Figure 4, while that used for AC arcs is shown in Figure 5. In both figures light from arc 1 Cardl/4 was directed by a lens 2 onto a Fabry-Perot etalon 3. A

Determination of the Degree of non-uniformity in DC and AC Arc Discharges

focusing lens 4 projected a sharp image of interference rings onto a spectrograph slit 5. To study DC arcs, an autocollimating spectrograph with a diffraction grating (600 lines/ mm) 6 and a plane mirror 8 were used (Figure 4). Dispersion of the spectrograph 6 was 4 A/mm in the second order. In the apparatus for study of AC arcs (Figure 5) a triple-prism glass spectograph G-50 was used (see Ref 7). In the visible region silvered mirrors with a coefficient reflection of 90% were used in the Fabry-Perot etalon; in the ultra-violet region, aluminized mirrors with 83% relfectivity were used. Separation between the etalon plates was caried from 2 to 5 mm. The DC arc discharge was produced between a copper anode and a nickel-chromium alloy or calcium cathode. The AC arc was produced between spectrally pure carbon electrodes. The multiplets of Ca II, Sr II, Cr I and Mn I are listed in Table 1. Figure 6 shows photographs of self-reversed lines of green and violet triplets of chromium. By way of example, Table 2 shows the results of determination of the degree of nonuniformity in the arc discharges, n (as defined in Ref 5) from the data for lines Ca II at 3968.5 and 3933.7 Å. Table 3 Card2/4

Sov/51-4-4-1/24 Determination of the Degree of non-uniformity in DC and AC Arc Discharges

> gives the results of calculation of n based on the green triplet of chromium. All results are summarized in Table 4. The following conclusions are made: 1) AC and DC arc discharges exhibit only a small degree of non-uniformity (n = 1.5 for neutral atoms of chromium and manganese); 2) Variation of the arc current and concentration of atoms in the arc produces some change in the degree of non-uniformity; 3) For ions the arc discharges are found to be more uniform than for neutral atoms (e.g. n = 1.3 for Ca II); ions are distributed in the central portion of the arc discharge where temperature varies only slightly. The authors thank V.K. Prokof'yev for valuable advice and S.A. Orlova for her help in this work.

Card 3/4

Determination of the Degree of non-uniformity in DC and AC Arc Discharges

There are 6 figures, 4 tables and 10 references, 5 of which are Soviet, 3 German, 1 Dutch and 1 in English.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S.I. vavilov

(State Optical Institute imeni S.I. Vavilov)
Leningradskiy institut tochnoy mekhaniki i optiki
(Leningrad Institute of Precision Mechanics and
Optics)

Optics

SUBMITTED: May 6, 1957

Card 4/4 1. Electric arcs--Physical properties

AUTHOR:

Dvornikova, I. V.

SOV/48-22-6-10/28

TITLE:

The Dependence of the Full Intensity of Spectral Lines on the Absolute Concentration of Atoms in the Arc Discharge (Zavisimost' polnoy intensivnosti spektral'nykh liniy ot absolyutnoy

kontsentratsii atomov v dugovom razryade)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya fizicheskaya, 1958, Vol. 22,

Nr 6, pp. 677-680 (USSR)

ABSTRACT:

According to what the authoress says, the said dependence with respect to arc-, spark- and other special light sources used in spectral analysis has not been sufficiently well investigated because for the construction of the corresponding growth curves reliable methods are as yet not available for the purpose of determining the concentration of atoms within the discharge area. The attempt is therefore made by the present paper to determine the concentration of atoms in the inter-electrode domain from the reabsorption of the spectral lines. The authoress here refers to the theory developed by Cowan and Dieke (Kovan and

Card 1/3

Dike) (Ref 2), according to which the contours of the reabsorbed

The Dependence of the Full Intensity of Spectral Lines on the Absolute Concentration of Atoms in the Arc Discharge

SOV/48-22-6-10/28

line can be determined for any p (parameter of absorption in the source) and n (parameter of the inhomogeneity of the source). It is further taken into consideration that with an increase of the atom concentration of an element in the light source the reabsorption of the spectral lines of this element increases as well; there follows a broadening and self-reversal of these lines. When using the mathematical expression of the theory by Cowan and Dieke the ratios between the width of the spectral line and the p-value as well as between the p-parameter and the dip of the self-reversal line can be determined. It is further pointed out that in the USSR special experiments were carried out in order to check the above mentioned method of determining absolute atom concentrations from the reabsorption of spectral lines also by the "crutch" method (metod kryukov) developed by Rozhdestvenskiy. Results were found to agree. (This was mentioned at the X. congress on spectroscopy). Furthermore, a device for determining atom concentration is described, which consists of the following parts: Source, lens, interferometer, objective, spectrograph, and

Card 2/3

The Dependence of the Full Intensity of Spectral Lines on the Absolute Concentration of Atoms in the Aro Discharge

SOV/48-22-6-10/28

additional lens. From the diagrams given it may be seen that the width of the lines increases in accordance with the increase of the p-value. Similar statements were made also by I. M. Nagibina (Ref 5) in an earlier paper. There are 4 figures and 5 references, 4 of which are Soviet.

1. Spectroscopy—Effectiveness 2. Spectrographic analysis —Equipment

Card 3/3

ABRAMOVA, T.G.; BOBOK, B.D.; DVORNIKOVA, L.L.; ROMANOVA, V.P.; FILENKO, R.A.

Natural conditions and some problems of the development of agriculture in the central part of the Karelian Isthmus.

Vest.LGU 17 no.6:109-120 '62. (MIRA 15:4)

(Karelian Isthmus-Agriculture)

DVORNIKOVA, L.L.

Soils of southwestern Vologda Province as exemplified by the land use on one of the collective farms in Ustyuzhna District. Vest.IGU no.12:135-147 '61. (MIRA 14:6)

DVORNIKOVA, L.L.

The fourteenth session dedicated to the 40th anniversary of the Great October Socialist Revolution. Vest. LGU 13 no.6:150-151 158. (MIRA 11:5)

(Geography)

DVORNIKOVA, L.L.

Characteristics of arable lands in the northwestern part of Vologda Province. Vest. IGU 14 no.24:142-153 '59.

(MIRA 12:12)

(Vologda Province--Soils)

DVORNIXOVA, L.L.

Soil zoning of the western part of Vologda Province. Vest. IGU 17 no.12:89-94 '62. (MIRA 15:7) (Vologda Province-Soils)

DVORNIKOVA, L.L.

Soil cover and soil regionalization in Vologda Province. Nauch. dokl. vys. shkoly; biol. nauk no.4:180-185 '64.

(MIRA 17:12)

l. Rekomendovana Nauchno-issledovatel'skim geograficheskim institutom. Leningradskogo gosudarstvennogo universiteta im. A.A. Zhdanova.

1 10655-63 (g) (EWT) m:/BDS--AFFTC/ASD--Fr-4--WW/JW JT

ACCESSION MR: AF3001215

\$10078 63 308 006/1345/1354

62

AUTHOR: Ambrozhiy, M. N.; Dvornikova, L. M.

TITLE: Thermal decomposition of smarium and tetravalent cerium hydroxides

SOURCE Znurnal neorganicheskoy khimii, v. 8, no. 5, 1963, 1345-1354

10000 1430: samerium, cerium, tetravalent cerium hydroxides, dissociation products

ARSTRACT: Thermal decomposition curves for samarium and for tetravalent derium 5.3000 are given. The composition of the thermal dissociation products was - califically by the third component tetral. The first win xite-waters quations.

ASSOCIATION: Saratovskiy gosudarstvenny*y universitet im. N. G. Cherny*shevskogo (Saratov State University)

SUBMITTED: 25Aue 62 DATE ACQD: 01Jul63 ERCL: 00

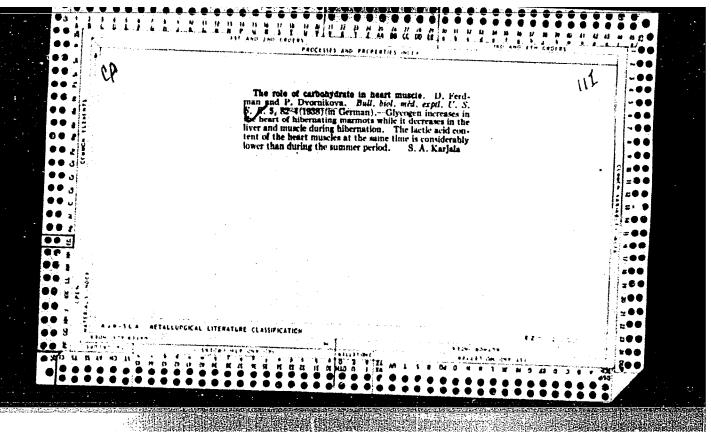
Card 1/4/

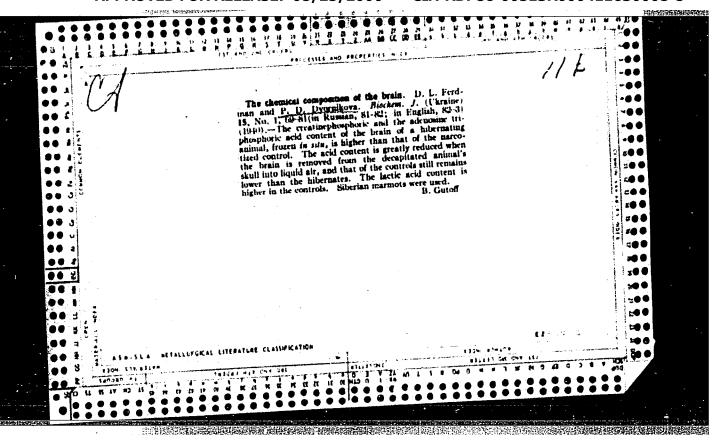
AUTHOR: Dvornikova, L. M. TITLE: Thermographic study of hydroxides of certain rare earth elements SCURCE: Ref zh. Khim, Part I, Abs. 18483 REF SOURCE: Tr. mclodykh uchenykh. Saratovsk. un-t. Vyp. khim. Saratov, 1965, 92-99 TOPIC TAGS: praseddymium compound, neodymium compound, thermographic analysis, hydroxide ABSTRACT: The thermographic characteristics of the decomposition of Pr and Nd hydroxides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Nd hydroxides have the respective compositions Pr(OH)3·H2O, Nd(OH)3·H2O. The detachment of water with the formation of Pr(OH)3 and Nd(OH)3 takes place only at ~ 100°. Authors' summary. [Translation of abstract] SUB CODE: 07		L 05722-67 EWP(m)/EMF(t)/ETI IJF(c) JD/JO
TITLE: Thermographic study of hydroxides of certain rare earth elements SOURCE: Ref zh. Khim, Part I, Abs. 18483 REF SOURCE: Tr. mclodykh uchenykh. Saratovsk. un-t. Vyp. khim. Saratov, 1965, 92-99 TOPIC TAGS: prasecdymium compound, neodymium compound, thermographic analysis, hydroxide ABSTRACT: The thermographic characteristics of the decomposition of Pr and Nd hydroxides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Nd hydroxides have the respective compositions Pr(OH)3·H2O, Nd(OH)3·H2O. The detachment of water with the formation of Pr(OH)3 and Nd(OH)3 takes place only at ~ 100°. Authors' summary. [Translation of abstract] SUB CODE: 07	1	
REF SOURCE: Ref zh. Mhim, Part I, Abs. 18483 REF SOURCE: Tr. molodykh uchenykh. Saratovsk. un-t. Vyp. khim. Saratov, 1965, 92-99 TOPIC TAGS: praseodymium compound, neodymium compound, thermographic analysis, hydroxide ABSTRACT: The thermographic characteristics of the decomposition of Pr and Md hydroxides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Md hydroxides have the respective compositions Pr(OH)3·H2O, Nd(OH)3·H2O. The detachment of vater with the formation of Pr(OH)3 and Nd(OH)3 takes place only at ~ 100°. Authors' summary. [Translation of abstract] SUB CODE: 07		AUTHOR: Dvornikova, L. M.
TOPIC TAGS: prasedymium compound, neodymium compound, thermographic analysis, hydroxide ABSTRACT: The thermographic characteristics of the decomposition of Pr and Nd hydroxides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Nd hydroxides have the respective compositions Pr(OH)3.H2O, Nd(OH)3.H2O. The detachment of water with the formation of Pr(OH)3 and Nd(OH)3 takes place only at ~ 100°. Authors' summary. [Translation of abstract] SUB CODE: 07		TITLE: Thermographic study of hydroxides of certain rare earth elements
TOPIC TAGS: prasecdymium compound, neodymium compound, thermographic analysis, hydroxide ABSTRACT: The thermographic characteristics of the decomposition of Pr and Nd hydroxides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Nd hydroxides have the respective compositions Pr(OH)3·H2O, Nd(OH)3·H2O. The detachment of water with the formation of Pr(OH)3 and Nd(OH)3 takes place only at ~ 100°. Authors' summary. [Translation of abstract] SUB CODE: 07		SOURCE: Ref zh. Khim, Part I, Abs. 1B483
ABSTRACT: The thermographic characteristics of the decomposition of Pr and Nd hydroxides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Nd hydroxides have the respective compositions Pr(OH)3·H2O, Nd(OH)3·H2O. The detachment of water with the formation of Pr(OH)3 and Nd(OH)3 takes place only at ~ 100°. Authors' summary. [Translation of abstract] SUB CODE: 07		REF SOURCE: Tr. molodykh uchenykh. Saratovsk. un-t. Vyp. khim. Saratov, 1965, 92-99
ides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Nd hydroxides have the respective compositions Pr(OH) ₃ ·H ₂ O, Nd(OH) ₃ ·H ₂ O. The detachment of water with the formation of Pr(OH) ₃ and Nd(OH) ₃ takes place only at ~ 100°. Authors' summary. [Translation of abstract] SUB CODE: 07		TOPIC TAGS: prasecdymium compound, neodymium compound, thermographic analysis, hydroxide
		ides are given. The composition of the products of thermal dissociation has been refined by studying the systems rare earth hydroxides - water - NaCl by the third-component method. It was found that under ordinary temperature conditions freshly obtained Pr and Nd hydroxides have the respective compositions Pr(OH)3.H2O, Nd(OH)3.H2O. The detachment of water with the formation of Pr(OH)2 and Nd(OH)2 takes place only at
		SUB CODE: 07

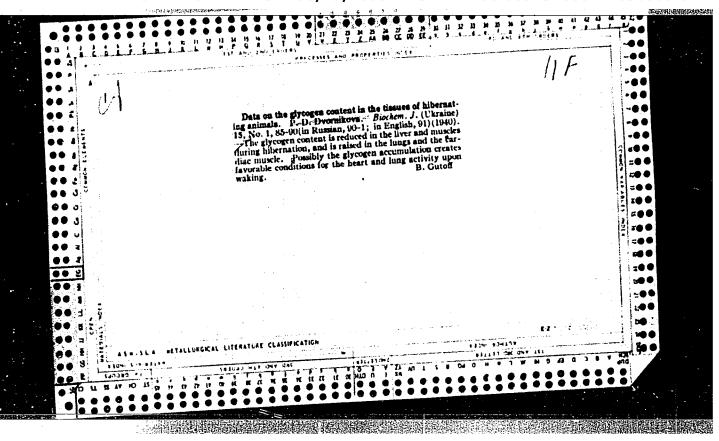
AMBROZHIY, N.M.; DVORNIKOVA, L.M.; LAZAREVA, L.S.

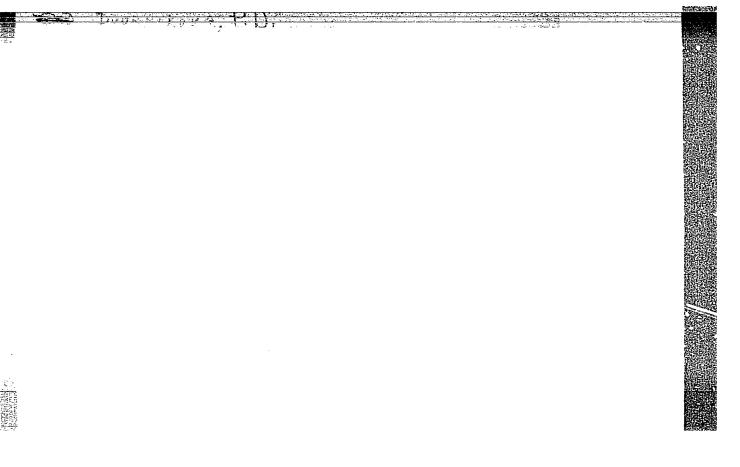
Europium and gadolinium hydroxides and products of their thermal decomposition. Zhur.neorg.khim. 11 no.1:86-89
Ja 166. (MIRA 19:1)

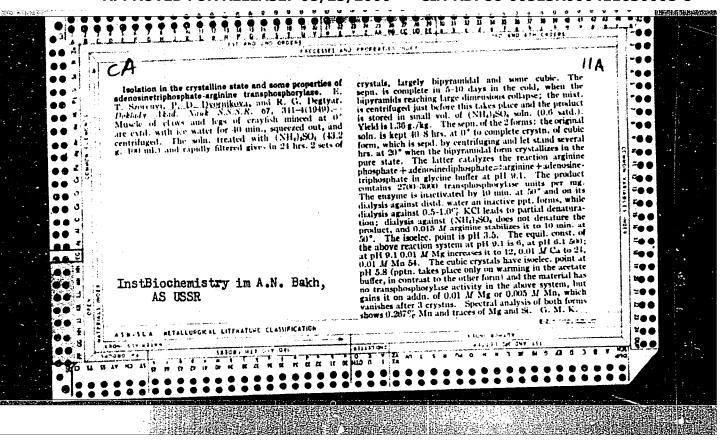
1. Saratovskiy gosudarstvennyy universitet i Nauchno-issledovatel'skiy institut khimii, kafedra neorganicheskoy khimii. Submitted February 1, 1964.

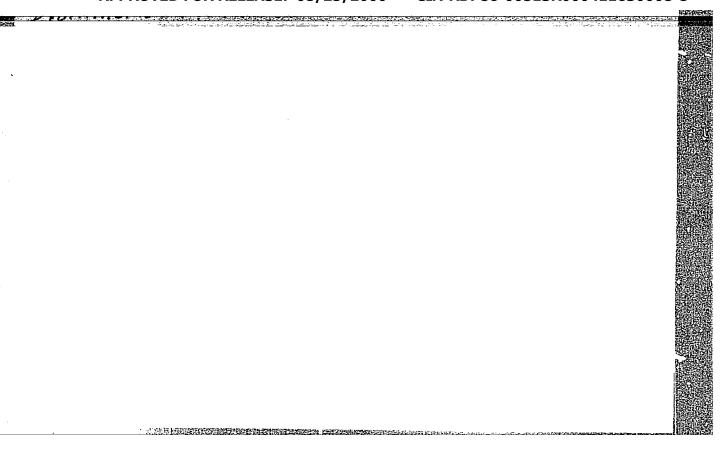


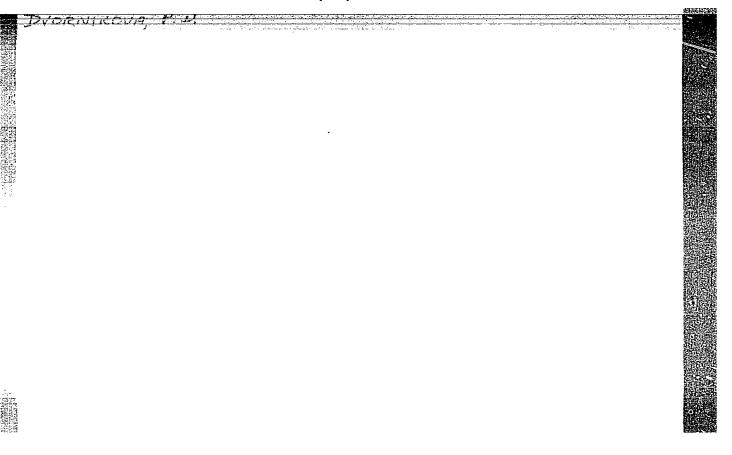










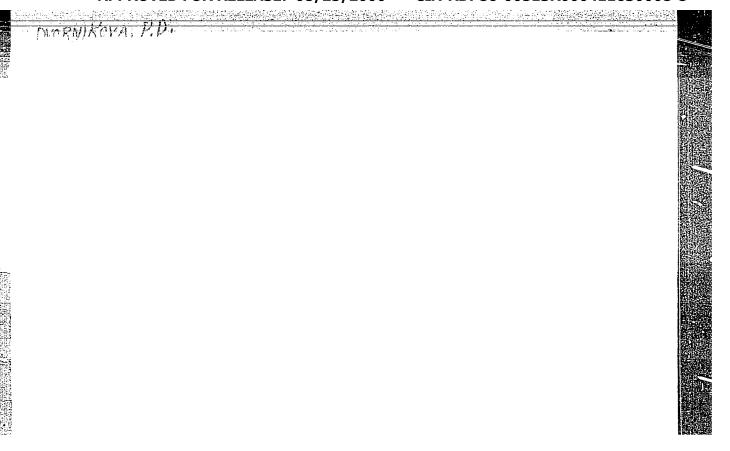


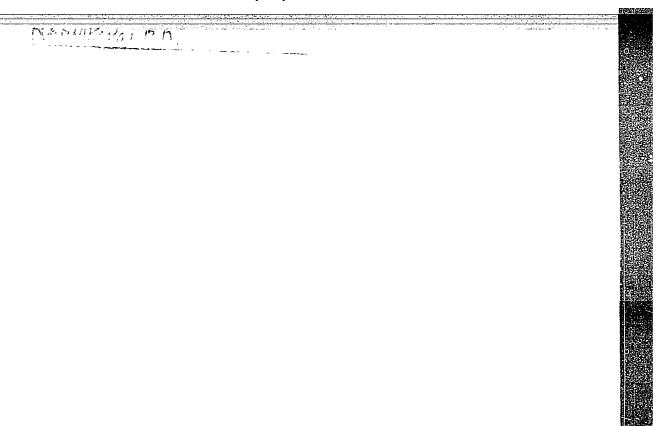
VENDT, V.P.; DVORNIKOVA, P.D.; ANIHA, I.A.

Spectrophotometric studies on protein solutions in various pH of medium. Doklady Akad nauk SSSR 86 no. 6:1167-1170 21 Oct 1952. (CIML 23:3)

1. Presented by Academician A. V. Palladin 19 August 1952. 2. Institute of Biochemistry, Academy of Sciences Ukrainian SSR.

Isolation of crystalline myogen A and B from the muscles of hogs and their separation by fractional crystallization. IP. D.-Dvornikova Trast. Biochem., Acad. Sci. UKr. S.S.R., Kiev). Ukrain. Biokhim. Zhar. 25, 167-70(in Russian. 170-28/1953).—The freshly obtained muscles, chilied and ground, were extd. with cooled water (mixing occasionally) for 40-60 min.; the strained ext. was kept for 10-15 days at 3-6*; NMH,850, was andded to 0.4-0.0 of satu., the product filtered, and discolved in ook water. Mander, 1-5.8 for B, and filtered. Phosphate the buffer (0.23H) had to be added (for filtration) and (NH,850, soln. was added to the filtrate to choudiness. Crystals appeared after 5-30 days (at 3-0*); when seeded, after 5-24 hrs. The crystals of A, in the form of a bipyramid in a hexaponal system (like those of the rabbit) required a conen. of about 20% of protein; myogen B crystd. from a more dil. solin. (0-10%) had, thin plates, The A form had a high addolase activity; B (recrystd. 5 times) showed none. In electrophoresis, B behaved as a single component; A showed an addal. (smaller) peak after A of the component o







DYORNIKOVA, P.D.; GULIY, M.F.; POPADYUK, O.Ya.

DVAMME OF SHIP

Phosphofructokinase from the muscles of rabbits [with summary in English]. Ukr.biokhim.shur. 29 no.1:42-53 '57. (MIRA 10:5)

1. Institut biokhimii Akademii nauk Ukrains'koi RSR, Kiiv. (PHOSPHOFRUCTOKINASE) (MUSCLE)

GULYY, M.F.: DVORNIKOVA, P.D.; POPADYUK, Yo.Ya.

Increasing the aldolase activity of myogen A by various purified and crystalline proteins [with summary in English]. Ukr. biokhim. zhur. 29 no.2:152-165 '57. (MLRA 10:7)

1. Institut biokhimii Akademii nauk Ukrainskoy SSR, Kiyev. (ADOLASE) (MYOGEN)

DUORNIKOVA, P.D.

GULIY, M.F.; DYORNIKOVA, P.D.; POPADYUK, O.Ya.

Nature of the activation of the enzymic action of crystalline muscle phosphofructokinase by myogen A [with summary in English]. Ukr. biokhim.zhur. 29 no.4:392-399 157. (MIRA 11:1)

1. Institut biokhimii AN URSR, Kiiv.
(MYOGEN) (PHOSPHOFRUCTOKINASE)

DVORNIKOVA, P.D. [DVORNYKOVA, P.D.], GULYY, M.F. [GULYI, M.F.], POPADYUK, Ye, Ya. [POPADIUK, O. IA], MARYBENKO, F.P.

Phosphofructokinase and other crystalline proteins from cat muscles [with summary in English]. Urk.biokhim.zhur. 30 no.2:187-199 (MIRA 11:6)

1. Institut biokhimii AN URSR, Kiiv.
(PHOSPHORFUCTOKINASE)
(PROTEINS)

DVORNIKOVA.P.D.

Methods of production and certain properties of crystalline muscle proteins. Acta physiol.hung 17 no.2:117-131 *60.

1. Institut biokhimii Akademii nauk USSR, Kiyev.
(MUSCLE PROTEINS chem)

BELIK, Ya.V. [Bielik, IA.V.]; DVORNIKOVA, P.D. [Dvornykova, P.D.]; SILAKOVA, G.I. [Sylakova, H.I.]

Problems in biochemistry at the Winth Congress of the All-Union Society of Physiologists, Biochemists, and Pharmacologists.

Ukr.biokhim.shur. 32 no.1:149-164 160. (MIRA 13:6)

(BIOCHEMISTRY--CONGRESSES)

DVORNIKOVA, P.D. [Dvornykova, P.D.]; GRIGOR'YEVA, V.A. [Hryhor'ieva, V.A.]

Incorporation of methionine-s³⁵ into various enzymatic proteins of muscles. Ukr.biokhim.zhur. 32 no.2:192-202 '60. (MIRA 13:11)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.

(METHIONINE)

(PROTEINS)

DVORNIKOVA, P.D.; GULYY, M.F. [Hulyi, M.F.]; FEDORCHENKO, Ye.Ya. [Fedorchenko, O.Ya.]; MARTYNENKO, F.P.

Method of isolation and some properties of crystalline muscle phosphopyruvic kinase. Ukr. biokhim. zhur. 32 no.6:783-792 '60. (MIRA 14:1)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.
(PHOSPHOPYRUVIC KINASE)

SHAMRAY, Ye.F. [Shamrai, IE.F.]; LOSITSKAYA, V.M. [Losyts'ka, V.M.]; DVORNIKOVA, P.D.

Effect of galascorbin on glycolysis. Ukr. biokhim. zhur. 33 no.5: 699-708 '61. (MIRA 14:10)

1. Department of Biochemistry of Kiyev Medical Institute of the Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.

(GLYCOLYSIS) (GALASCORBIN)

KOROTKORUCHKO, V.P. DVORNIKOVA, P.D.; ISHCHENKO, I.N.; Prinimal uchastiye: FEDORCHENKO, Ye.Ya.; LEVRESHCHUK, L.N.; FEDOROVA, A.P.; MALINOVSKIY, Yu.I.

Activity of some glycolytic enzymes in the blood of patients with cancer. Vop. med. khim. 7 no.3:273-276 My-Je '61. (MIRA 15:3)

1. First Surgical Clinic of the "A.A. Bogomolets" Medical Institute, and Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.

(CANCER) (GLYCOLYSIS)

DVORNIKOVA, P.D.; PECHENOVA, T.N. [Pechenova, T.M.]

Activity of some glycogenolytic enzymes in various muscles of adult rabbits and embryos. Ukr.biokhim.zhur. 34 no.1:118-129 '62. (MIRA 17:5)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.

GULYY, M.F. [Hulyi, M.F.]; DVORNIKOVA, P.D.; FEDORCHENKO, Ye.Ya [Fedorchenko, O.IA.]; PECHENOVA, T.N. [Pechenova, T.M.]

Mechanism of enzyme activation with the interaction of purified proteins. Ukr. biokhim. zhur. 34 no.2:187-198 *62.

(MIRA 16:11)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.

X

DVORNIKOVA, P.D.; GULYY, M.F. [Hulyi, M.F.]; PECHENOVA, T.N. [Pechenova, T.M.];
MARTINERKO, F.P.

Values of the molecular weight of a mixture of crystalline myogen A and dehydrogenase of d-glyceraldehyde, 3-phosphate from the muscles of a rabbit. Ukr. biokhim. zhur. 34 no.3: 327-337 '62. (MIRA 18:5)

1. Institut biokhimii AN UkrSSR, Kiyev.

GULYY, M.F. [Hulyi, M.F.]; PECHENOVA, T.N. [Pechonova, T.M.]; DVORNIKOVA, P.D. [Dvornykova, P.D.]

Formation of acetyl phosphate in liver homogenates of animals. Ukr. biokhim. shur. 34 no.6:846-852 '62. (MIRA 16:4)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.
(LIVER) (ACETYL PHOSPHATE)

GULYY, M.F., akademik; PECHENOVA, T.N.; DVORNIKOVA, P.D.

Formation of acetyl phosphate in animal liver homogenates. Dokl. AN SSSR 146 no.4:933-936 0 162. (MIRA 15:11)

1. Institut biokhimii AN UkrSSR. 2. AN UkrSSR (for Gulyy).
(LIVER EXTRACT) (PHOSPHATES)

SORENI, E.T.; DVORNIKOVA, P.S.

Isolation of two new crystalline protein fractions from rabbitmuscle plasma. Ukr. biokhim.zhur. 22 no.2:127-134 '50. (MLRA 9:9)

1. Institut biokhimii Akademii nauk URSR, Kiiv. (PROTEINS) (MUSCLE)