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	Village or city? Zhilkom. khoz. 11 no.12:4-5 D '61. (MIRA 16:11)
	1. Predsedatel' Strashenskogo rayonnogo ispolnitel'nogo komiteta Moldavskoy SSR.

BEGAGOYEN, I.A.; VLASENKO, G.A.; KHCDAKOVSKIY, N.A.

Organization and methodology of conducting industrial tests of parts of drills for wear. Sbor. meuch. trud. KGRI no.19:15-20 '62. (MIRA 16:5)

(Boring machinery—Testing) (Mechanical wear)

VLASENICO,	G.S.	DECEASED	1968/2
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		SEE ILC	
BOOT GOVE			
ZOOLOGY			
	and Tige AMAA Down on the street		

SKEYABINSKIY, V.S., inzh.; VLASEEKC, G.V., inzh.

D542 wattmeter. Vest. elektroprom. 31 no.12:69-70 D '60.

(Wattmeter)

(Will 14:2)

VLASENKO, G. (Yo.)

USSR/Physics Aerosols Dispersions

Nov 48

"A Continuous Method for Ultramicroscopic Measurements of the Particle Concentrations in Aerosols and Other Dispersed Systems," B. Deryagin, Corr Mem, Acad Sci USSR, G. Vlasenko, Lab of Surface Forces, Inst of Phys Chem, Acad Sci USSR, 3 3/4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 2

Among many advantages adduced for this method are: less time is spent in measuring small particle concentrations; aerosol volumes are more quickly and correctly measured by the counter system employed; and it makes future introduction of automatic calculation for aerosol particles possible. It should be applicable to many scientific problems. Submitted 10 Jul 48.

PA 55/49T81

Translation - 2524467, 30 11/1 14

RERYACIN, B. V., VLASEIKO, G. YA.

Colloids

Flow method and apparatus for measuring partial concentrations of aerosols and other colloid-disperse systems. Trudy Inst. fiz. khimii AN SSR No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953.2 Unclassified.

1. Akademiya nauk SSSR (for Deryagin). (Microscope and micros	A 6:11)

DERYAGIN, B.V.; VLASENKO, G.Ya., kandidat khimicheskikh nauk

Determining the degree of dust pollution of air by continuous microscopy. Bor'ba s sil. 2:223-229 '55. (MLRA 9:5)

1. Chlen-korrespondent Akademii nauk SSSR (for Deryagin) 2. Institut fizicheskoy khimii Akademii nauk SSSR (for Vlasenko)

(DUST)

VIASENKO, G.Ya., kandidat khimicheskikh nauk.

Results of mass ultramicroscopy used in determining the degree of ust pollution in coal mines of the Donets Basin. Bor'ba s sil. 2:230-234 '55. (MLRA 9:5)

1. Insitut fizicheskikh nauk Akademii nauk SSSR. (DONETS BASIN--MINE DUST)

80803

3,5000

sov/124-59-9-10352

Translation from: Referativnyy zhurnal, Mekhanika, 1959, Nr 9, p 113 (USSR)

AUTHORS:

Vlasenko, G.Ya., Deryagin, B.V., Kudravtseva, N.M., Prokhorov,

P.S., Storozhilova, A.I., Churakov, V.V.

TITLE:

Plow Methods for Investigating Atmospheric Aerosols

PERIODICAL:

V sb.: Issled. oblakov, osadkov 1 grozovogo elektrichestva.

Leningrad, Gidrometeoizdat, 1957, pp 185 - 188

ABSTRACT:

Not only the number of particles within the volume unit, but also their dimension distribution can be determined by the ultramicroscopic flow investigation method. For this purpose, an optical discriminator (photometric wedge), making it possible to obtain the particle-brightness distribution, was mounted into the target illuminating device of an ultramicroscope. A new wedge-graduation method is described; the graduation curves of the dependence of particle dimensions on the wedge position can be obtained quickly, when applying the method mentioned. The authors report on the flow method applied to the study of the atmospheric condensation nuclei. For this purpose, a simple

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SOV/124-59-9-10352

Flow Methods for Investigating Atmospheric Aerosols

accessory device is developed for "revealing" the condensation nuclei containing in the atmosphere. This accessory device consists of an airmoistening chamber and a cooling channel, in which vapor condensation on the condensation nuclei proceeds. The condensation nuclei, enlarged in this way, are carried away by the air current, arrive at the cell of the ultramicroscope, and can be recorded by the observer. The optimum operation conditions of the device were determined experimentally. By the ultramicroscopic flow method, the automation of registering aerosol particles or "revealed" condensation nuclei can be brought about. The design of an automatic counter developed for this purpose is presented. This counter carries out the registration of aerosol particles of high numerical concentrations without failing.

S.V. Severin

Card 2/2

X

S/069/61/023/002/007/008 B101/B208

AUTHORS: Deryagin, B. V., Churakov, V. V., and Vlasenko, G. Ya.

TITIE: Flow ultramicroscope with automatic count of aerosol

TITLE: particles

PERIODICAL: Kolloidnyy zhurnal, v. 23, no. 2, 1961, 234-237

TEXT: The dust content of air is measured with a flow microscope by visual observation of the dust particles flashing up in the light. The visual observation is, however, tiresome. The present paper therefore describes an automatic counting device. Fig. 2 presents the scheme of this apparatus which uses a BAK (VDK) ultramicroscope. The aerosol is sucked into which uses a BAK (VDK) ultramicroscope. The aerosol is sucked into cuvette (1), and passes through the illuminated zone (2). The light scattered by the aerosol particles is focused by objective (3) to the cathode tered by the aerosol particles is focused by objective (3) to the cathode (4) of an \$\Phi \mathfrak{Y} - 19\$ (FEU-19) photomultiplier which is at a distance of 500 mm. (4) of the photomultiplier there is a rotary diaphragm (5) with In front of the photomultiplier there is a rotary diaphragm (5) with apertures of 0.5, 1.5, 7.5, and 30 mm diameter for adapting the light intensity to the aerosol concentration. If the apparatus is remote-controlintensity to the aerosol concentration. If the apparatus is remote-controlintensity to the aerosol concentration. If the apparatus is remote-controlintensity to the aerosol concentration selsymmeter (6) which is

S/069/61/023/002/007/008 B101/B208

Flow ultramicroscope

Card 2/4

driven by selsyn motor (7). A 75-w and 10-v lamp of the type K-21 (Π_1 in Fig. 2) was used as light source. The optical discriminator (8) with 5 apertures containing neutral gray glass filters of different densities was used for subdivision of the particle size. (8) is fastened on the axis of a C43 (SChZ) telephone relay (9). The latter operates when the contact is closed on disk (10). Simultaneously, the two-way cock (11) on the axis of (10) is opened or closed. (10) and (11) are driven by electric motor (14) (15-20 w). The other end of the motor shaft drives air pump (15) which produces a partial vacuum of 20-30 mm Hg. When (11) is open, the aerosol is sucked in. When (11) is closed, (15) is connected with (1) via capillary (12) and U tube (13), the change of the liquid level in (13) being equal to the aerosol volume sucked through (1). The voltage of the photomultiplier is increased by pulse amplifier (16) and conveyed to mechanical counter (17), In order to be independent of voltage fluctuations in power supply, the photomultiplier is fed by FG-300 (GB-300) batteries. The aerosol concentration is calculated from the following equation: N = na/V (N = number of particles in 1 cm^3 , n = number of particles obtained by the counter,V = volume (cm³) of aerosol sucked through the cuvette, a = constant for the corresponding aperture of the rotary diaphragm). This device allows to

s/069/61/023/002/007/008. B101/B208

Flow ultramicroscope ...

measure aerosol concentrations between 10-10⁷ particles per cm³ without dilution. It records particles of a diameter from 10-5 to 20.10-4 cm approximately. Determination of aerosol concentration and division into five fractions according to particle size takes 7-12 min. A. Ye. Mikirov and A. G. Laktionov are mentioned. There are 3 figures, 1 table, and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc. The reference to Englishlanguage publication reads as follows: F. T. Gucker, C. T. O'Konski, J. Amer. Chem. Soc., 69, 2422, 1947.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR, Laboratoriya

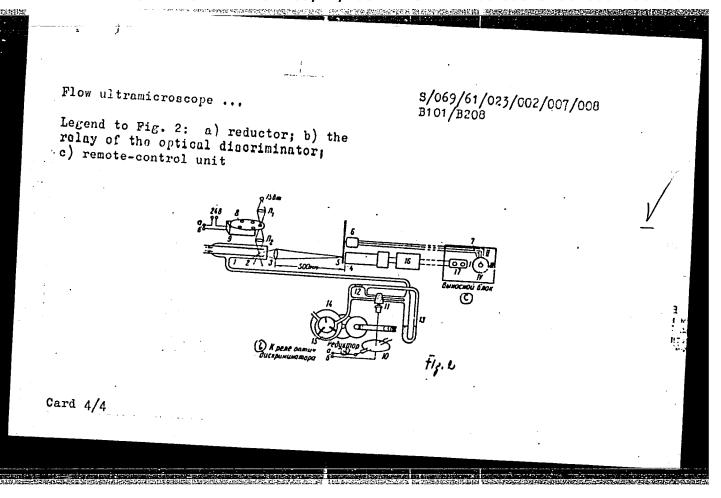
poverkhnostnykh yavleniy (Institute of Physical Chemistry of

the AS USSR, Laboratory of Surface Phenomena)

SUBMITTED:

April 28, 1960

Card 3/4



L-06543-67- -- EWT (1) --- JK -

ACC NR: AP6020683

SOURCE CODE: UR/0016/66/000/006/0083/0088

AUTHOR: Gromyko, A. I.; Vlasenko, G. Ya.; Terskikh, I. I.

35 B

ORG: Virology Institute, Academy of Medical Sciences, SSSR; (Institut virusologii im. Ivanovskogo AMN SSSR); Institute of Physical Chemistry, Academy of Sciences, SSSR (Institut fizicheskoy khimii AN SSSR, Moscow)

TITLE: Determining the physical parameters of viral aerosols. Report 1: Using continuous ultramicroscopy to design working conditions for an aerosol chamber

SOURCE: Zh mikrobiol, epidemiol i immunobiol, no. 6, 1966, 83-88

VIROLOGY, BIOMEDICAL CHAMBER,
TOPIC TAGS: A aerosol, biologic aerosol, viral aerosol, ultramicroscope, aerosol chamber, visual control, dosimetry, medical experiment/IVK-2 BIOMEDICAL Chamber, VDK ultramicroscope

ABSTRACT: Continuous ultramicroscopy was used to determine concentration and dosimetry of viral aerosols and the results obtained by this visual method were compared with previous theoretical calculations. Continuous ultramicroscopy had been found to be the best empirical method for obtaining data on the time required for the attainment of a maximal equilibrium concentration in an aerosol chamber, and for the evacuation of aerosol from the chamber. An aerosol composed of a suspension of mouse lung tissue containing either influenza virus (strain Pr-8, type A) or ornithosis virus (strain psittacosis Lor.) was used. The aerosol was produced in an IVK-2

Card 1/5

UDC: 616-022.1:[576.858:615.417.9-011-076.4

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ACC NR: AP6020683

aerosol chamber by an atomizer consisting of a metal sprayer mounted in a glass globe; the size of particles leaving the atomizer was measured microphotometrically, Using a type VDK continuous ultramicroscope, "flashes" produced by particles crossing the illuminated zone in a given time were counted. The rate of flow was regulated to produce not more than 50—100 flashes per minute. When the given number of particles had been registered, counting ceased and the volume of air which had entered was measured. The conimetric concentration of the substance (n) was calculated by the formula

 $n=\frac{a\cdot N}{w},$

where N is the number of "flashes" counted, w is the volume of air, and a is a constant of the device for a given opening of the atomizer diaphragm. The particlesize composition of the aerosol was determined by the sedimentation method, using a modification of the Stokes-Cunningham formula for the radius of the particles. In the simplest form, this formula was:

 $r = 3.34 \cdot 10^{-4}$ cm $\sqrt{\frac{1}{I}}$.

where t is the time in seconds of particle settling. Table 1 shows the rate of settling in relation to paritcle radius

Card 2/5

	Table 1. to radius	of aeros	of rate ol partic	les.	riig
	Time of settling (in sec)	article radius in µ)	Time of settling (in sec)	Párticle radius (in µ)	
	1 5 8 10 12 15 17 20	3.31 1,49 1,19 1,06 0,96 0,86 0,81 0,75	25 30 35 40 45 50 55 60	0,67 0,61 0,57 0,53 0,49 0,47 0,46 0,43	The second se
Table 2 shows dat	22 a obtained usi	0,71	inuous mi	croscopy	on the time required to pro
duce a maximum eq	uilibrium cond	entratio	on of aer	osol in t	he chamber.

L 06543-67 ACC NR. AP6020683 0 Table 2. Relation of degree of chamber saturation with aerosol particles to dispersion time. Sion (min) Number of aerosol particles (in 1 x 10^5 cm cm³ Disper av 5 8 1,6 3.8 7.7 6.7 6.9 8.2 2,8 8,2 6,2 6,2 7,2 3.8 7.2 6.5 6.5 8.2 4,1 10 15 7,8 20 6.6 25 These results were compared with theoretical determinations using the formula t = 2.3 v/L (v = chamber volume = 220 l; L = input rate of atomized aerosol = 38 l/min), which showed the time required to obtain an equilibrium concentration to be 13.3 min; the result using continuous ultramicroscopy was 10 min. Atomizing the ornithosis suspension for the period of time needed to create a maximal equilibrium concentration produced an aerosol which would kill 7-8 g mice exposed to it for 1 hr in 5-6 days. Using continuous ultramicroscopy, the time needed to evacuate the viral aerosol from the chamber was determined visually. 4/5

1. 06543-67 ACC NR: AP6020683 0 Table 3. Degree of evacuation of aerosol from chamber in relation to number of air changes Number of changes Background . . . Before removal . First air change . Third air change . Fifth air change . Tenth air change . 0.30 0.15 0.03 0.03 Previous studies had shown that the chamber would be sufficiently disinfected after three air changes; however, continuous ultramicroscopy revealed that only after five changes does the count return to normal levels. These data demonstrated the expediency of using continuous ultramicroscopy, based on the principle of counting aerosol particles in a continuous air flow, to study the physical properties of biological aerosols, and to determine their concentrations and paritcle sizes. Also, it was established that this method will determine the time necessary for maximal saturation of a chamber with an aerosol with sufficient accuracy. Orig. art. has: 2 figures, 3 tables and 5 formulas. SUBM DATE: 21May65/ ORIG REF: 022/ OTH REF: 002/ SUB CODE: 96/ 5/5 m Card

N. C. C. STORES ELECTRICATE CONTRACTOR OF THE PROPERTY OF THE

L 05866-67 EWT(1)/TSOURCE CODE: UR/0016/66/000/007/0094/0097 ACC NRI AP6024444

AUTHOR: Vlasenko, G. Ya. Gromyko, A. I.; Danilov, A. I.

ORG: Virology Institute im. Ivanovskiy, AMN SSSR (Institut virusologii)

TITLE: Determining the physical parameters of viral vaerosols. Report II. Studying the condition of an aerosol cloud in the IVK-2 chamber and the significance of observed shifts for dosimetry of an infective agent by aerosol.

SOURCE: Zhurnal mikrobiologii, epidemiologii, i immunobiologii, no. 7, 1966, 94-97 ودادستك

TOPIC TAGS: serosol, serosol chamber, dosimetry, virus disease, serosol infection/ IVK-2, chamber aircsol

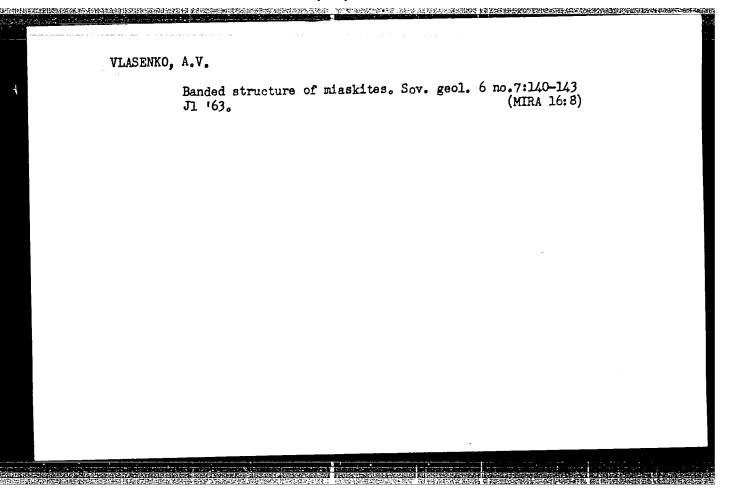
ABSTRACT: The objectives of this study were: to determine the concentration of substances dispersed in aerosols; to establish the dependence of concentration on time; to clarify the fractional composition of aerosols; to calculate their gravimetric (weight) concentration; and to determine the quantity of aerosol entering the respiratory system of an animal during exposure. The greatest reduction in particle concentration in an aerosol occurs in approximately the first thirty minutes; however, between 30 min and 2 hr the concentration does not change significantly. Knowledge of the quantity of particles and their concentration by weight is necessary in determining the quantity of aerosol substance aspirated by an animal; it was previously established that an hour's exposure to aerosol was sufficient to produce infection,

UDC: 616-022.1:/576.858:615.417.9-011

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	. Weight cond using standar	entration d computat	was determinational method	rring during a g ined by taking p ods. Thus, know	ST.PT.CT.C. M.C.T.Shin	co cdaca
•	Table 1. Cl	nange in ac on after œ	rosol ssation			
	Time in=c	umber of a particles in 1 cm ³	(x105)	of aerosol af	ter injection i	into:
	(min) Background	0,01 0,07 — 7,75 8,22 7,2 7 6.2 8,8	- 0.04 - 7.7 - 7.3	aerosol particles	s min so min so min ts min	60 min
	10 15 20 25 30 35	6,8 7 5,6 5,2 5,2 5,6 6,2 5,6 6,9 4,4 5,2 3,4 5,2 4,8 5,2 3,6 3,8 3,8	5.2 5.3 5.2 6.1 3.8 4.2 5.2 5.1	0,9-1.1 1,5-1,7 2-3 3-4	4 12 10 6 8 80 80 85 90 84 10 6 3 4 8 6 2 2	20 70 10;
	35 40 45 60 75	3,6 3,8 3,8 3,8 4,1 4,1 3,8 3,6 3,8 3,3 3,2 3,6 3,4 3,6 3,3 3,4 3,3 3,4		<u></u>	<u> </u>	<u>.</u>
	105 120	2,9 3.2 3.4 2,6 2.3 3.4	2,8 3,1			
h:^ :	After 24 h	 				

ACC NR:	66-67 AP60244	44		applica communicación de la configue (P. 10). BERTA	and the same of the same of the				0
Table 3. size in c time inte Time Nur after X	hamber rvals mber of p	at diff	Cerent	Table 4. containing intervals Total after injection	g materi after Gravine	al in an	aerosol (into char centration	cloud a mber n (in	on of virus- t various Total quantity
injec-	.5 0.8	1	xer of	(in min)	1 0.5	0,8	1,2 .	1.6	stance (in mg/m ³).
5 2, 10 7, 20 6, 30 3, 45 2.	92 58,4 68 51,2 1 51,85 06 45,9 96 31,08 ,8 23,8	3.84 1 1.83 1 2.04	,38 73 ,28 64 ,22 61 — 51 — 37 — 31	5 10 20 30 45 60	15.2 39.9 31.7 15.9 15.4 35.4	1226.4 1075.2 1088.8 963.9 652.7 500	518.3 272.6 129.9 144.8 210,2 241.4	749 218,9 208.6 —	2508.9 1606.9 1459 1124.6 878.3 776.8
tory trac formula l volume or animal to	et may b = C.V. animal aeroso by mic	e dete P·t (C in ml ol). T e in d	rmined for = concentry /min; P = he following for iffering for the property than the property response to the property than the prope	the amount any moment any moment attention of a weight of ling data we time period 10—20 min	t in the erosol animal ere obta	e exposure substance in g; t = ined on 5 min -	e period, in g/ml; time of the amoun 0.1 mg of	using V = re exposur t of ma c subst	espiratory re of aterial ance

L 05866-67 ACC NR: AP6024444			
yield absolutely acc devices to automate has: 4 tables.	nurate results and the possib the counting of aerosol parti	oility of using photoelectricles is considered. Origo	ric art. [EL
SUB CODE: 15, 06/ 8	UBM DATE: 21May 65/ ORIG REF:	004/ OTH REF: 003/ ATTO PR	:3 \$4
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 Geological structure of the Ili-Khem gold deposit. Izv. vys. ucheb. zav.; tsvet. met. 4 no.4:3-9 '61. (MIRA 14:8)
l. Severokavkazskiy gornometallurgicheskiy institut, kafedra mineralogii i petrografii. (Kurtushubinskiy RangeGold ores)

1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Amphibolites in the Il'men Mountains. Nauch.dokl.vys.shkoly; geolgeog.nauki no.2:78-82 '59. (MIRA 12:8)
	1. Ordzhonikidzevskiy gornyy institut. (Il'men MountainsAmphibolite)

VIASENKO, A.V. Anerthoclase in Il'men Meuntain alkali recks. Mauch. dekl. vys. shkely; geol.-geog. nauki no.3:124-126 '58. (MIRA 12:1) 1.0rdshenikidzevskiy gernyy institut. (Il'men Meuntains--Recks, Igneueus)

VLASENKO, A. YE.

Beets and Beet Sugar

Sugar beet cultivation in Uzbekestan. Sov. agron. 10, no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

USSR/Cultivated Plants - Commercial. OII-Bearing. Sugar-Bearing. M-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29890

Author : Vlasenko, A.Ye.

Inst Title : Agrometeorology, Agrotechny and Bush Structure of Cotton.

Orig Pub : Sots. s. kh. Uzbekistana, 1957, No 5, 17-22

Abstract : No abstract.

Card 1/1

- 14 -

VIASENKO, B.; GEORGIYEV, K.

State standards for canned stewed meat should be reconsidered.
Miss.ind.SSSR 31 no.5:31-32 '60. (MIRA 13:9)

1. Yessentukskiy konservnyy zavod (for Georgiyev).
(Meat, Canned-Standards)

SENTE THERESES FREE SET THE SENT THE SET OF SET

VOLYNCHIKOV, N., inzh. (g.Lebedyan'); ZAMKOVSKIY, I.; OKNER, Kh.; NIKOLENKO, M., inzh.; VLASENKO, B. (g.Krasnodar)

The reader continues the discussion. Sov. profsoiuzy 18 no.8: 16-18 '62. (MIRA 15:4)

1. Predsedatel' mestkoma sluzhby vodosnabzheniya st. Simferepol' (for Zamkovskiy). 2. Predsedatel' postroykoma stroyupravleniya No.3 tresta "Promstroy", g. Dushanbe (for Okner). 3. Chlen mestnogo komiteta proyektnogo instituta "Mosbassgiproshakht", g. Tula (for Nikolenko).

(Socialist competition)

APPROVED FOR RELEASE: 03/14/2001

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Homeneness of the second secon

VLASENKO, Georgiy Yefimovich; GLUZBERG, M.M., red.

[Active, industrious, built of reinforced concrete]
Zhivoi, trudovoi, zhelezobetonnyi. Khar'kov, Prapor,
1964. 136 p. (MIRA 17:12)

1. Predsedatel' ispolnitel'nogo komiteta Khar'kovskogo
gorodskogo Soveta deputatov trudyashchikhsya (for
Vlasenko).

VLASENKO, I.

Work organization with collective farms in the main branch.

Den. i kred. 21 no.8:63-66 Ag '63. (MIRA 16:9)

1. Upravlyayushchij Petrovskim otdeleniyem Gosbanka Stavropol'skogo kraya.

(Petrovskiy District (Stavropol Territory) -- Banks and Banking)
(Petrovskiy District (Stavropol Territory) -- Collective farms -- Finance)

STEMBLER, M.; SAVCHENKO, O., tekhnik; VIASENKO, I., tekhnik

We are using local building materials. Sil'. bud. 7 no.5:
11 Mr'57. (MIRA13:6)

1. Nachal'nik Boguslavskogo rayonnogo otdela po stroitel'stvu v kolkhozakh.

(Boguslav District--Building materials)

VIASENKO, I., inzh.; SARALDTR, V., inzh.

And where is the lobby? Znan.ta prateia no.3:28-29
Mr '60. (MIRA 13:6)

(Kiev-Subways)

V	LASENKO, I.
	Erroneous style of supervision. Mest.prom.i khud.promys. 3 no.3:31 Mr 162. (MIRA 15:3)
	 Direktor Toguchinskogo derevoobrabatyayushchego kombinata, Toguchin, Novosibirskoy oblasti. (Toguchin—Woodworking industries)
	,

That is	botter. Mest, prom. i Mud. premys	. 2 no.9:4 S 161.
l. Dire Noveeibi	ktor Toguchinskogo dereveobrabaty rskaya oblast!. (Nevosibirsk ProvinceMood (Mage payment systems)	

Transheynaya kul'tura tsitrusovykh na Ukraine. (Opyt Botan. sada Odes. gos. un-ta). Byukleten' Glav. botan. sada, vypts. h, 19h9, s. h8-51

VLASKNKO, I.A.; DOMBROVSKAYA, M.V.

Effect of prolonged exposure to darkness on chlorophyll content in citrus in trench culture. Doklady Akad. nauk SSSR 82 no.3:465-468 21 Jan 52. (CIML 21:5)

1. Presented by Academician A.Ye. Arbusov 21 November 1951.

VIASENKO, I. A.

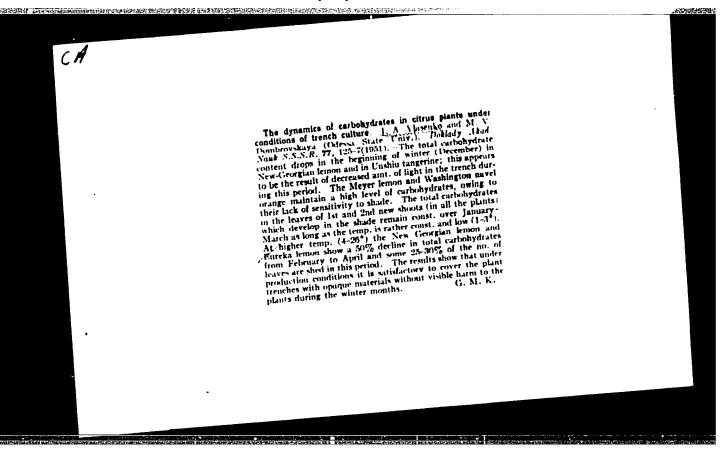
Author: Vlasenko, I.A. and Pomborvakaya, M.V.

Title: Dynamics of carbohydrates in citres plants under conditions of trench culturel

Jeurnel: Doklady Akademii Nauk SSSR, 1951, Vol.77, No.1, p. 125

Subject: Plant Physiology

From: D.S.I.R. Och 5



- 1. VAASENKO, I.'.
- 2. USSR (600)
- 4. Agriculture
- 7. Cultivation of citrus fruits in the southern Ukrine. Odessa, Obl. izd-vo, 1951

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

VIASENKO, I.A.; BABENKO, V.I.

Physiological characteristics of durum winter wheat. Nauch. zap.
Od. ped. inst. 25 no.2:120-124 '61.

(MIRA 18:2)

VLASENKO, I.A. DCMEROVSKAYA, M.V.

Photosynthesis, Chlorophyll, Citrus Fruits

Effect of prolonged exposure to darkness on chlorophyll content of citrus in trench culture. Dokl. AN SSSR, 82, No. 3, 1952.

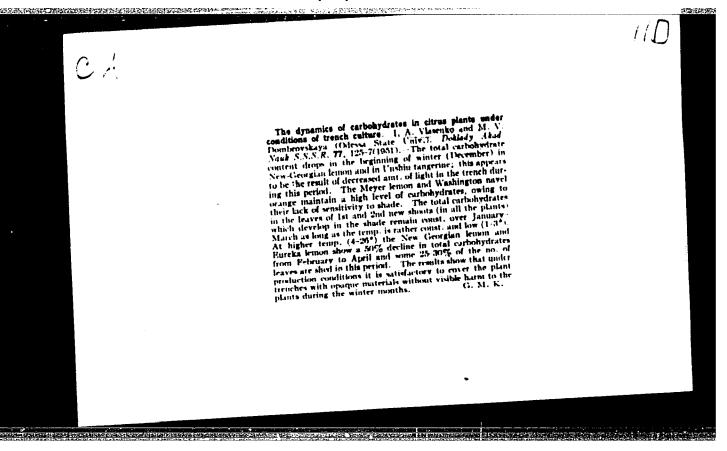
Monthly List of Russian Accessions, Library of Congress, June 1952, Unclassified

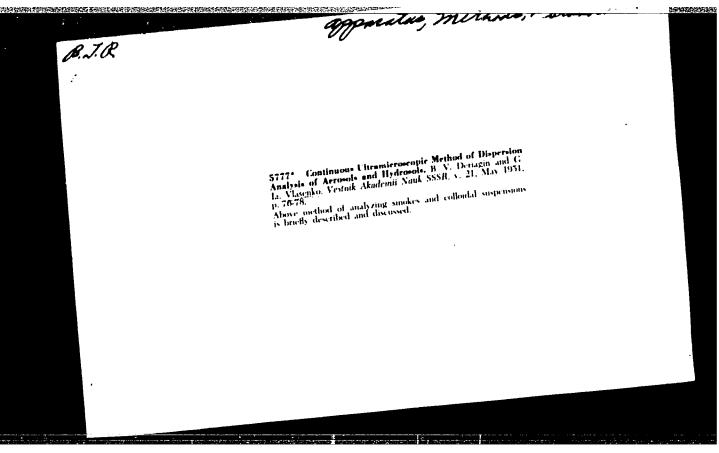
valoriko, f. l.; dominovomata, n. v.

Photosynthesis, Chlorophyll, Citrus Fruits

Effect of prolonged exposure to darkness on chlorophyll content of citrus in trench culture. Dokl. AN 5752, 82, No. 3, 1052.

SO: Monthly List of Russian Accessions, Library of Congress, June 1952 1953, Uncl.





VIV:	SENKO, I. G.		
Use	of fertilizers	Mensk, Belaruskaia akademila navuk, 193h. 15 p.	í
1.	Fertilizers and	manures.	
		<u>*</u>	
			27.

THE PROPERTY DESCRIPTION OF THE PROPERTY OF TH

VLASTAKO, I.-P.

USSR/Medicine - Veterinary, Coccidiosis; Drugs

Card 1/1

Author : Li, P. N., Aspirant, and Vlasenko, I. P., Veterinary Technician

Title : Treatment of coccidiosis in calves with osarsol

: Veterinariya, 31, 42, May 1954 Periodical

Abstract : Treatment of coccidiosis in calves is discussed. The treatment

consists of administration of the drug, osarsol, and milk per os 3 times a day. Therapeutic dose of osarsol is between 0.2-0.5 g, depending on the age and weight of the animal. The course of

treatment is between 4 and 6 days.

Institution : All-Union Institute of Experimental Veterinary Science

Submitted

LI, P.N., aspirant; VIASENIO, I.P., veterinarnyy tekhnik.

Acetarsone therapy for coccidiosis in calves. Veterinariia 31 no.5:42 My '54. (MEA 7:5)

1. Vsesoyusnyy institut eksperimental'noy veterinarii (for Li).

GENERAL DE LA COMPANION DE

VLASENKO, I.P., inzh.; SUKHOMEINOV, R.M., inzh.

Study of the stresses in the pistons of the 2D100 diesel engine.
Teplovoz.i sud.dvig. no.3:138-163 *62. (MIRA 16:2)

(Diesel locomotives) (Diesel engines)

VIASSEC, I.P., kant. tekhn. nauk

**Alculating the frequencies of torque vibrations of the shaft of type D100 diesel generators. Vest. TSNII MES 24 no.6:37-39 165.

(MIRA 18:9)

The section is the section of the se	Sandgrapfing type D 100 marine engines. Sudostroenie no.717 TI 165.				is no.7871=72	72-72	
	T1 165.				(WITH TOSO)		
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VILCENKO, 1.P., kand. tekin.mak

Torsional vibrations of shaft transmissions of the Blod diagral generators. Vest.mashinostr. 45 no.9-17-20 S 165.

(MIRA 18196)

VLASENKO, I.S.

Some conclusions to be derived from the experimental use of alternating current for the electrification of the Krasnoyarsk Railroad. Zhel.dor.transp. 42 no.0:10-16 Ag '60.

(MIRA 13:8)

1. Zamestitel' nachal'nika Krasnoyarskoy dorogi.

(Railroads—Electrification)

VLASENKO, I.S.

Krasnoyarsk Railroad is preparing personnel for work on electric locomotives. Elek. i tepl.tiaga 2 no.4:7-8 Ap '5%. (MIRA 12:3)

1. Zamestitel' nachal'nika dorogi po lokomotivnomy khizyaystvu, g. Krasnoyarsk.

(Krasnoyarsk Territory--Electric railroads) (Employees--Education and training)

VLASFNKO, I.V., inzh.

Dynamic take of the initial temperature of gas To in gas turbine systems. Teploenergetika 11 no.4:57.60 Ap '64. (MIRA 17:6)

1. Nevskiy mashinostroitel'nyy zavod imeni V.I. Lenina.

STEMPKOVSKAYA, L.A.; VLASENKO, I.V.; MITEL'MAN, B.Yu.

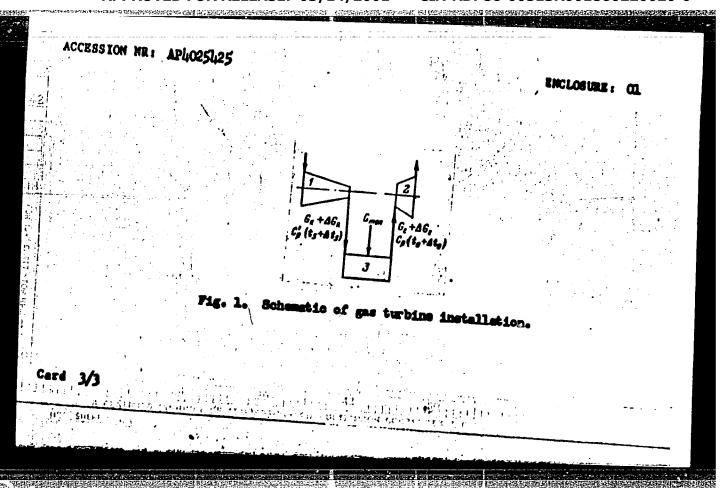
Removal of zinc salts from waste waters on a semi-industrial unit.

Khim. volok. no.1:33-36 462. (MIRA 18:4)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR (for Stempkovskaya, Vlasenko). 2. Kiyevskiy kombinat (for Mitel'man).

•	,	1	•
CESSION NR: AP4025425	and the second s	s/0096/6L/000/00L/0057/0060	† .
ITHOR: Vlasenko, I. V. ITLE: Dynasic overshoo	(Engineer) t of the initial gas temperatur	e To in gas turbine instal-	-
ations OURCE: Teploenergetika OPIC TAGS: gas turbine	start up, turbine temperature ne temperature overshoot	transient, transient gas	
ABSTRACT: The dynamics operating conditions wer Enclosure (where the vol following assumptions:	of the turbine temperature over considered for the configurations 3 includes the combustion of quasisteady conditions, instant turbine RPM during the transient ression for T dyn = \DT/T_0 s	hember volume) with the	
	$\theta_{dyn} = \frac{\Delta \dot{Q}}{c_{s}T_{s}G_{g}} \times$		

AP4025425 ACCESSION NE : $T_{\bullet}C_{\bullet}\partial C$ (where: $Q = fuel consumption, G_{g} = flow through turbine, <math>G_{k} = flow through$ compressor, m = polytropic index, T_5 = compressor outlet temperature, $\mathcal{Y}_{st} = \Delta/T/T_0$ static). Thus the temperature overshoot is independent of the volume between the compressor and the turbine, which affects only the duration of the process. Even for substantial volumes the temperature overshoot is reached during 0.1-0.2 seconds which supports the assumption of constant RPH. The partial influence on the temperature overshoot. Orig. art. has: 14 formulas and 2 figures. ASSOCIATION: Hevekiy mashinostroitel'nywy savod im. V. I. Lenina (Hevekiy Hachine Building Plant) SUBMITTED: 00 DATE ACQ: SUB CODE: PR NO REF SOV: 000



VENEDIKTOVA, R.I.; VLASENKO, I.V.

Extraction method of determining the moisture of free-flowing materials. Zav. lab. 30 no.11:1332 '64 (MIRA 18:1)

1. Institut avtomatiki Gosplana UkrSSR.

OGNEV, R.K.; VLASENKO, I.Ye,

Causes of crack formation in impregnated electrode production.
TSvet. met. 38 no.8:60-64 Ag '65. (MIRA 18:9)

OGNEV, R.K.; VIASENKO, I.Y.

Heat dilatation and shrinkage of carbon materials saturated with petroleum pitch. TSvet. met. 37 no.10:48-50 0 '64. (MTRA 18:7)

ANDRYUSHCHENKO, F.K.; VLASENKO, I.Ye.

Cathodic and anodic polarization of titanium in fluoboric acid solutions. Izv. vys. ucheb. zav.; khim. 1 khim. tekh. 6 no.3: 455-458 *63. (MIRA 16:8)

1. Khar'kovskiy politekhnicheskiy institut imeni Lenina, kafedra tekhnologii elektrokhimicheskikh proizvodstv. (Electrodes, Titanium) (Polarization (Electricity)) (Fluoboric acid)

1. 25[101245 - 340(4)/342(6)/327(m)/322(6)/822/342/h) Pr-1: 78-1: MU/MI ACCESSION MR: AP5006303 S/0134/64/000/010/048/0000

AUTHOR: Ognev, R. K.; Vlasenko, I. Ye.

TITLE: Thermal expansion and contraction of pitch impregnated carbon materials

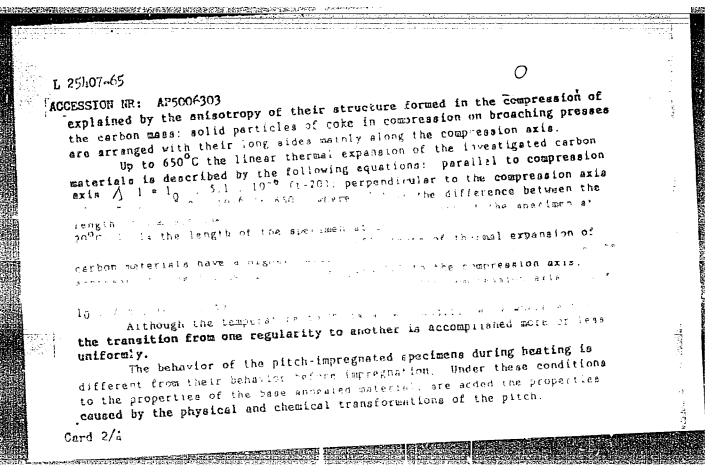
SOURCE: Tsvetnyye metally, no. 10, 1944, 48-50

TOPIC TAGS: carbon, carbon product, heat contraction, heat expansion, pitch material

Abstract: Measurement of thermal expansion and contraction of carbon specimens was accomplished on an especially designed apparatus. Specimens, 160 km long and 60 mm in diameter, were used in the experiments and were selected from industrially annealed billets. A graphite powder was poured in the container to protect the specimens from exidation.

Rach specimen was tested twice: first, in the non-impregnated condition, and after impregnated with industrial pitch. The non-impregnated carbon specimens, similar to most solids, were subjected to thermal expansion during heating and to compression during cooling. The coefficients of thermal expansion were different in directions: parallel and perpendicular to the compression axis. Anisotropy of the physical properties of graphite-carbon materials is

Card 1/4



"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220020-0

L 25h07-6,

ACCESSION NR: AP5006303

Change in the length of the impregnated specimens during heating as opposed to their length at the corresponding temperatures in the non-

In the interval 500-900°C thermal compression of the impregnated carbon material is observed, caused by the formation of coke from the pitch.

The volumetric compression of the pitch begins at 270°C and it is especially noticeable in the interval 370-550°C where an intensive liberation of the volatile substances occurs; the pitch loses 55-70% of its mass. However goes from the liquid to the viscous stage and later to a plastic state; it is contracted in volume and it is not able to merge the more stably linked particles of the annealed material. At temperatues exceeding 500-570°C, the cohesive strength of the particles of coke and semi-coke formed from the pitch the compression process of the secondary coke is accompanied by the compression of the entire material.

The compression process proceeds quite intensely in the range 550-800°C. At higher temperatures the compression process gradually subsides -- the properties of the secondary coke approximate the properties of the primary coke mass.

Card 3/4

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220020-0

L 25407-65

ACCESSION NR: AP5006303

The capability of impregnated carbon materials for thermal compression is a very important property which must be considered when compiling graphs of the heat treatment of impregnated products. To prevent the cyacking of the impregnated products their heating in the range from 500 to 850 C should be conducted at a reduced rate. In industrial treats with the products heated in this range at the rate of 145° C/hour, there was 50° breakage; products heated at the rate of 110° C/hour had 25% breakage, while there were no cracks in the products heated at the rate of 55° C/hour. The same and itself.

ASSOCIATION: none

SUBMITTED: 00

ENGL: 00

SUB CODE: MT, TD

NO REF SOV: 003

OTHER: YX

J PRS

Card 4/4

5 1310 800

24005 **S/080/61/034/006/001/020** D247/D305

PERCENTING PROPERTY OF SHARMEN SHARMEN

AUTHORS:

Andryushchenko, F.K., and Vlasenko, I.Ye.

TITLE:

Certain electrochemical properties of titanium in

sciutions of hydrofluoboric acid

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 6, 1961,

1266 - 1270

TEXT: Among the electrolytes recommended for use in applying titanium (Ti) loatings to metals or metal contings to Ti is a group containing fluoride ions (F). The present of F ions inhibits the formation of a passive film on Ti. An amount of HF in aqueous solution exceeding the critical concentration of 0,005 % is sufficient to promote # totion of 1. Preparation of a Ti surface for applying a metal coating is carried out in solutions containing HF. Satisfactory autosion of the coating with the it base was obtained by anodic treatment of the Ti surface in a solution of HF in ethyleneglycol with a small amount of water added. For zinc-

Card 1/5

Certain electrochemical ...

#4005 S/080/61/034/006/007/020 D247/D308

plating of Ti an ethylenegly 10. Solution of Zn fluoride and HF was used and for copper coatings an aqueous solution of Cu hydrofluoborate in water was used. The present paper describes experimental studies of the process of solution and electrochemical behavior of Ti in HBF4 solutions. Determinations were made of the rate of Ti dissolution in acids of varying composition and the form of Ti transition into solution and the potential of Ti and redox potential of the medium were measured. The apparatus used is shown. Determinations were made in a stream of H2 passed through the apparatus. The Ti and Pt electrode potentials were measured with a cathode type voltmeter, A4-M2. The dissolution of Ti was studied at 30°C in aqueous solutions containing 500,250 and 125 g/1 HBF4 and in alcohol and ethyleneglycol solutions containing 250 g/1 HBF4. The HBF4 solution was prepared by mixture of equivalent amounts of boric and hydrofluoric acids and contained a certain proportion of HF due to incomplete reaction or hydrolysis. The proportion of solution per unit surface of Ti was 3.91 ml/cm2 in all experiments. Curves of Ti dissolution, shown in Fig. 2, have a

Card 2/5

Certain electro nemical ...

21,005 S/080/61/034/006/007/020 D247/D305

parabolic character and conform to the equation:

$$P \quad a \circ \tau^{b} \tag{5}$$

where P is gradimetric loss of Ti specimen (mg/cm²); α and b are constants which depend on solution composition, temperature, Ti purity and amount of solution per unit surface of specimen; τ is time in hours. The rate of dissolution is determined as the first decidance of this equation. i.e.

$$p = \frac{\partial P}{\partial \tau} = \mathbf{a} \mathbf{b} \tau^{\mathbf{b} - 1} \tag{4}$$

where plantate of dissolution of Ti (mg/cm 2 » hour). The influence of long concentration in the solution can be calculated from these equations or determined graphically from experimental data. It can also be calculated from a parabolic curve equation:

$$P_{j} = K \sim \left[T_{j}^{-2}\right]^{m} \tag{5}$$

where $\{\text{Ti}^{+3}\}$ is the ionic concentration of Ti in the solution, K Cará 3/5

N

Participation for the second of the second second

24005 \$/030/61/034/006/007/020 D247/D365

Certain electrochemical ...

and m are constants dependent on solution composition. Empirical formulae are given for the "critical" cathode current densities governing solution of Ti. Ti potentials were -0.6 to -0.7 volts. Redox potentials of solutions formed varied from -0.03 to + 0.13 volts. There are j figures, 2 tables and 10 references: 6 Sovietbloc, 4 non-Soviet-bloc. The references to the English-language publications read as follows: Morioka, A. Umezono, J. Japan Inst. Metals, 20, 7, 403, 1956; Connie L. Stanley, Abner Brenner, Techn. Proc. Am. Electroplaters' Soc.. 123, 1956; Missel, Techn. Proc. Am. Electroplater's Soc.. 17, 1956; M Eisenberg, and R.E. Delarue, J. Electroch. Soc., 105. 3, 162, 1958.

ASSOCIATION: Kafedra tekhnologii elektrokhimicheskikh proizvodstv Khar kovskogo politekhnicheskogo instituta imeni V.I. Lenina (Department of Electrochemical Production Technology, Polytechnic Institute, Khar'kov, imeni V.I.

Lenin)

SUBMITTED: July 26, 1960

Card 4/5

2**1005** \$/080/61/034/006/007/020 D247/D305

Certain electrochemical ...

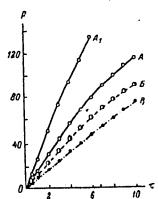
Fig. 2. Graph of Ti dissolution in HBF_A .

Legend: P - gravimetric losses of specimens (mg/cm²); τ - time in hours; A₁ - aqueous solutions of 500 g/l HBF₄; A - aqueous solutions of 250 and 125 g/l HBF₄; - alcoholic solution of 250 g/l HBF₄; B - ethyleneglycol solution of 250 g/l HBF₄.

Рис. 2. Кривые растворения тетана в растворах борфтористоводородной инслоты.

Р — потери веса обравнов (мг/см²), теремя (час).

А.—в водном растворе, содержаемен 500 г/л НВБ*; А—в водном растворах, содержащих 250 и 125 г/л НВБ*; В—в спиртовом растворе, содержащем 250 г/л НВБ*; В—в этиленгликолевом растворе, содержащем 250 г/л НВБ*.



Card 5/5

PRETAIN METAKKEY MENTATERALI SEL, 1977. TEOROTOTORIA SELTET TEL OPERATORE FARMANDA BARKETAN METAKAN METAK

ACCESSION NR: AP4009785

\$/0065/64/000/001/0047/0050

AUTHORS: Vlasenko, I. Ye.; Ognev, R. K.

TITLE: Use of petroleum bitumens for impregnating carbon graphite materials

SOURCE: Khimiya'i tekhnologiya topliv i masel, no. 1, 1964, 47-50

TOPIC TAGS: carbon anode, carbon electrode, petroleum bitumen, coal tar pitch substitute, graphite electrode manufacture

ABSTRACT: Because the literary data is scant on the use of petro-leum bitumens instead of coal tar pitch to bind carbon when manufacturing graphite electrodes, tests were run with BN-III, BN-IV and oxidized petroleum bitumens for impregnation of calcined carbon samples of electrode materials. The operation consisted in heating these samples to 300±5C in an autoclave furnace, pumping the air out for 30 min (Pabs=0.9 kG/cm²), filling the autoclave with bitumen and keeping it under pressure of Pabs=5 kG/cm² for 3 hours. Bitumen BN-III has a softening point of 200±5C and differs from coal tar pitch in that it has more volatile fractions boiling out at 360C,

Card : 1/2

ACCESSION NR: AP4009785

less free carbon and absolutely no \propto -, \checkmark - components. The impregnated samples were then graphitized. It is concluded that impregnating mixtures not only fill pores and cracks in the sintered electrode samples but also interact with this material resulting in a greater electric resistivity and strength of the impregnated samples. In its impregnating properties, the BN-IV bitumen approaches oil pitch (pitch + 5 to 15% anthracene oil) presently used for impregnation of electrode materials. Orig. art. has: 1 figure, 2 tables.

ASSOCIATION: Ukrtsvetmet (Ukrainian Non-ferrous Metals)

SUBMITTED: 00

DATE ACQ: 10Feb64

ENCL: 00

SUB CODE: CH

NR REF SOV: 002

OTHER: OOL

Card 2/2

VLASENKO, I.Ye.; OGNEV, R.K.

Use of petroleum bitumen for the impregnation of carbon graphite materials. Khim. i tekh. topl. i masel 9 no.1: 47-50 Ja 164. (MIRA 17:3)

1. Ukrtsvetmet.

L 13578-63 EMP(q)/EMT(m)/BDS AFFTC/ASD JD/JG/WB S/0080/63/036/004/0921/0922

AUTHOR: Andryushchenko, F. K.; Vlasenko, I. Ye.

TITLE: Method for treating the surface of Ti before chrome plating

SOURCE: Zhurnal prikladnoy khimii, v. 36, no. 4, 1963, 921-922

TOPIC TAGS: Ti, Cr plating, MH sub 4 F, ZnF sub 2, NiF sub 2, CoF sub 2

ABSTRACT: To remove the passive film on Ti so that Cr adheres better, the authors describe a method consisting of mechanical cleaning, removal of grease and rinsing, and immersion in a solution of NH sub 4 F containing ZnF sub 2, NiF sub 2, or CcF sub 2 at room temperature for 15 seconds to 3 minutes. Qualitative analyses showed that the films contained metallic Zn, Ni, or Co and S. Changes occurring in the potential of Ti in aqueous solutions of NH sub 4 F (500 g/l) and/or the other metal fluorides are shown in a graph. After this treatment, the Ti is pickled in 10% HCl for 15-30 seconds, rinsed in tap water for 15-30 seconds, plated with standard Cr electrolyte, and rinsed in hot and cold water. Orig. art. has: 1 figure. "N. V. Golizdra and T. A. Lebedinskaya participated in the study."

Card 1/2/

HAZLOVA, I.V.; STAKHANOVA, M.S.; KARAPET'YANTS, M.Kh.; VLASENKO, K.K.

Heats of dissolution of sodium and potassium chloride mixtures in aqueous solutions. Zhur. fiz. khim. 39 no.5:1245-1248 My 165. (MIRA 18:8)

1. Moskovskiy ordena Lenina khimiko-tekhnicheskiy institut im. D.I. Mendeleyeva.

and determing of cadavering.	nation of bismuth in the fice material. Apt.delo 12 noiseledovatel'skiy institut	0.3:41-47 My-Je '62. (MTHA 16:1)
Ministerstv (BISMUTH)	a zdravookhraneniya SSSR. (CHEMISTRY, FORENSIC)	

VLASENKO, L.M.

Chromatographic isolation of morphine in the forensic chemical study of cadaveric material. Sud.-med.ekspert. 5 no.3:38-43 J1-S 62. (MIRA 15:9)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR. (MORPHINE) (AUTOPSY)

ì.

VLASENKO, L.M.

Basic trends for the introduction of distribution chromatography in forensic chemistry. Apt.delo 14 no.2:75-82 Mr-Ap 165.

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny, Moskva.

VIASENKO, M., kapitan

How to drive sheet-piling better. Voen. vest. 41 no.11:119-120

N '61.

(MIRA 16:11)

VIASENKO, M. Workers made possible the achievements of the enterprise. Mest. prom.1 khud.promys. 2 no.3:18 Mr '61. (MIRA 14:4) 1. Direktor derevoobrabatyvayushchogo kombinata, Novosibirsk. (Novosibirsk--Woodworking industries)

86-11-29/31

VLASENKO, ALE.

AUTHOR:

None given

TITLE:

To Be Published ... (Vykhodyat iz pechati ...)

PERIODICAL: Vestnik Vozdushnogo Flota, 1957, Nr 11, p. 90 (USSR)

ABSTRACT:

It is announced that in the near future the following books will be published by the Military Publishing House of the Ministry of Defense of USSR:

1. Some Problems on the Theory of Automatic Aircraft Control (Nekotoryye voprosy teorii avtomaticheskogo upravleniya samoleta) by V. P. Dmitriyev;

2. The Fundamentals of the Theory of Aircraft Turbojet Engines (Osnovy teorii aviatsionnykh turboreaktivnykh dvigateley) by M. I. Vlasenko;

3. The Treatment and Storage of Aircraft Armament (Obrabotka i konservatsiya aviatsionrogo vooruzheniya) by 0. V. Artemenko, V. V. Nazarov, F.D. Piliponko, under the editorship of

G. I. Krotov, Engr Lt Col.

AVAILABLE:

Library of Congress

Card 1/1

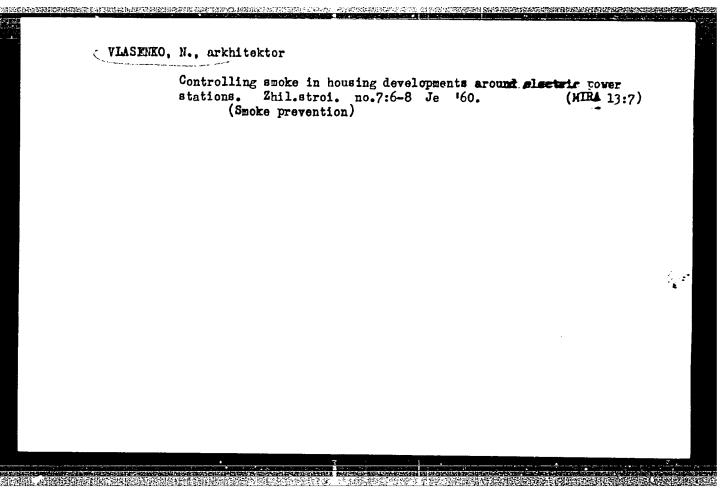
SMIRNOVA, G.V.; VLASENKO, M.M.; SURIKOV, M.P. (Makhachkala)

Effect of insulin on protein metabolism in aged persons. Vrach.delo no.6:649 Je 159. (MIRA 12:12)

1. Kafedra biokhimii (zav. - dotsent M.P. Surikov) Dagestanskogo meditsinskogo instituta i Norskiy dom invalidov Taroslavskoy oblasti (zav. meditsinskoy chast'yu - vrach M.M. Vlasenko).

(INSULIN) (PROTEIN METABOLISM)

VIASENKO, M.Ya. Stratametric survey of boreholes (From "Mining Journal" Je 1954). Razved.1 okh.nedr 22 no.1:59 Ja '56. (Boring) (Boring)



VLASEECO, N., arkhitektor (Sverdlovsk)

Organizing the system of enterprises serving public needs in settlements of the Ucraine. Zhil.-kom.khoz. 10 no.3:9-12 '60.

(Ukraine--City planning)
(Ukraine--Municipal services)

VLASENKU, N A.

USSR/Optics - Physical Optics, K-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35731

Author: Sinel'nikov, K. D., Shklyarevskiy, I. N., Vlasenko, N. A.

Institution: None

Title: Optical Characteristics of Complex Interference Light-Filters

Periodical: Zh. tekhn. fiziki, 1956, 26, No 1, 96-101

Abstract: For the green region of the spectrum, complex interference light filters were prepared, consisting of 3 reflecting layers and 2 di-

electric layers between them. The dielectric used was barium fluoride, and the reflecting layers were silver. In some cases the third reflecting layer was a multilayer dielectric coating. The optical characteristics of such light filters were investigated using a matching method previously proposed (Uch. zap. Khar'kovsk. gos. un-ta., Tr. fiz. otd., 1955, 6, 147). The transmission band was recorded with a DFS-4 spectrometer with a diffraction grating, having 600 lines/mm. It was shown that the transmission band of

Card 1/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860220020-0"

USSR/Optics - Physical Optics, K-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35731

Abstract: complex light filters is 5-10 times narrower than in simple inter-

ference filters (30-100 A instead of 200-400 A), and the transparency is 1.5-2 times better (30-60% instead of 20-30%). The use of a multilayer dielectric coating instead of a silver reflecting layer improves the quality of the filters. Further improvement in the optical characteristics lies along the path of replacing of all

the silver layers with multiple-layer diplectric coatings.

Card 2/2

51-4-20/25

Complex interference optical filters with improved characteristics. (Cont.)

 $R_2 = 93\%$ for M_1 and M_2 respectively, an overall transmission of 30% was obtained with a pass band (centred on 5000 %) of only 45 R and "contrast" of about 105. A method of preparation of filters, similar to that for Fabry-Perot etalons, is also described. Two high-quality glass flats were covered with the usual layers (silver and barium fluoride) by vacuum evaporation; they were the M1D1M2 systems. A wedge-shaped layer of air D2 was left between the two plates. Light from a monochromator (of wavelength of the maximum of the filter pass-band) was made parallel by means of a lens focussed on the exit slit of the monochromator. This light was directed on to the filter. When Do was wedge-shaped hundreds of interference lines were visible. When the two surfaces M2 became parallel the lines disappeared and the illumination became uniform. Then, keeping the plates parallel, they were adjusted by screws to give maximum uniform illumination ("consistent state). There are 1 table and 6 references (4 of which are Slavic.)

ASSOCIATION: Kharkov State University. (Khar'kovskiy Gosudarstvennyy Universitet.

SUBMITTED: September 15,1956. ard 2/2 AVAILABLE: Library of Congress

L 43878-65 EWI(1) Pi-4 IJP(c)

ACCESSION NR: AP5006434

8/0051/65/018/003/0461/0466

AUTHOR: Vlasenko, N. A.

TITLE: Investigation of the simultaneous effects of an electric field and ultra-

Will the platform the laminessee of a left we are imate phosphor

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 46; 46;

TOPIC TARS: Zinc sulfide optic material, luminor, electric field effect, ultra-

luminescence

ABSTRACT: The investigation was made under conditions when the excitation of the luminescence was not accompanied by ionization of the luminescence center and by transport of change, making it possible to ascertain the role played by the photograph of change, making it possible to ascertain the role played by the photograph of the condition of the condition of the luminescence center and by

out cilibrine; was thosen because of the action of the location was phor is excited with light of wave, ergo larger that the me phospher was prepared by a procedure described proof easy (Mares, MIT Sovembob) poliminest con-

Card 1/3

L 43878-65

ACCESSION NR: AP5006434

tsii [Materials of Seventh Conference on Luminescence] p. 365, Tartu, 1959). The ZnS-Mn film was deposited on glass coated with a conducting film of SnO2, which served as a transparent electrode. The second electrode was aluminum sputiered on the phosphor. The excitation was with a PRK-4 mercury lamp with a filter serarating the coin multiplier. The luminescence late ality was measured with a filter serarating the coin multiplier, and the spectral measurements were made with III multiplier and amplifier, and the spectral measurements were made with III multiplier and service with a state of the service of the serv

ASSOCIATION: None

Cord 2/3 I have that there is I

AUTHOR: Vlasenko, N. A.; Khomchenko, V. S.	8
	B
RG: none	1:Cl films /Report,
TTIE: Investigation of low-voltage electroluminescence of ZnS:Courteenth Conference on Luminescence held in Riga 16-23 September	7
OURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 4,	1966, 688-691
OPIC TAGS: electroluminescence, crystal phosphor, zinc sulfide,	the state of the s
ABSTRACT: The present study of sublimated ZnS:Cu:Cl films was until the paucity of data on these low-voltage electroluminophors. The paucity of data on these low-voltage electroluminophors are pared by a two-stage technique; the active film thickness varied in the control electroluminophora.	n the range from 0.2
of a microns. The electrons was of the phosphor layer or over an insulating substitution was by ac, which yielded a higher brightness, or by decentration was by ac, which yielded a higher brightness, the	coating of Sio.
spectrum and its irequency and voltage of pulses, the effect of	probing pulses,
transient processes, and the temperature dependences of the char found that many of the properties of ZnS:Cu:Cl films are similar Cord 1/2	

28331-66 ACC NR: AP6013082		,	0
ttributes of electrolumine imilar blue-green band int requency dependence of the how the electroluminescence of a volts) and the shape olarity square pulses. On erred a) that the electrol hosphor-powder cells), b) he applied voltage, and c) hesis of impact ionization	ensity dependence on the brightness; similar be espectra at different of the brightness wave the basis of analysis uninescence is a two-sthe effective field action the the experimental	rightness wave sh frequencies of t es under excitati of the experimentage process (as ting in the lumin	ape, etc. Figures he low voltage (7 on by alternating tal data it is inin the case of the cophor differs from that with the hypo-
16818 OI IMPAGE TOHIZACTOR	or age at the man		
B CODE: 20/ SUE	DATE: 00/ ORI	G REF: 003/	OTH REF: 007
ib Code: 20/ Subw	DATE: 00/ ORI	G REF: 003/	OTH REF: 007
DB CODE: 20/ SUEM	I DATE: 00/ ORI	G REF: 003/	OTH REF: 007
B CODE: 20/ SUE	I DATE: 00/ ORI	G REF: 003/	OTH REF: 007
B CODE: 20/ SUEM	DATE: 00/ ORI	G REF: 003/	OTH REF: 007
B CODE: 20/ SUE	DATE: 00/ ORI	G REF: 003/	OTH REF: 007
B CODE: 20/ SUE	I DATE: 00/ ORI	G REF: 003/	OTH REF: 007
ub code: 20/ Subv	A DATE: 00/ ORI	G REF: 003/	OTH REF: 007

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860220020-0"

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