APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP6024451 SOURCE CODE: UR/0016/66/000/007/0144/0144

AUTHOR: Grishina, O. S.

ORG: L'vov Institute of Epidemiology and Microbiology (L'vovskiy institut epidemiologii i mikrobiologii)

TITLE: The possibility of dissemination of enterocolitis infective agents by the drop method

SOURCE: Zhurnal mikrobiologii, epidemiologii, i immunobiologii, no. 7, 1966, 144

TOPIC TAGS: enterocolitis, intestinal disease, human ailment, infective disease

ABSTRACT:
Means of enterocolitis dissemination were studied in 463 children with acute intestinal diseases. Cultures of feces, nose and throat secretions, and upper respiratory tract flora, and samples of ward air (in group infection among newborn) were analyzed in specific tests to differentiate enteropathogenic intestinal bacteria from other coli-like forms. Analysis of stool cultures confirmed enterocolitis in 302 cases. The specific infective agent was isolated in 17 cases from the mucus of the upper

Card 1/2 UDC: 616.981.48+616.348-002-002.7]-022.363.3

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GRISHINA, O.S.; NEIGAUZ, [illegible]

Perspectives of using fluorescent antibodies for the detection and identification of enteropathogenic Escherichia coli. Zhur. mikrobiol., epid. i immun. [illegible]:74-77 Ja '66 (MIRA 19:1)

1. L'vovskiy institut epidemiologii, mikrobiologii i gigiyeny. Submitted January 4, 1965.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

KUZINA, A.N.; MALETINA, M.V.; ADOMONITE, G.M.; GRISHINA, O.S.; GRANT, Kh.Ya. [Grants, H.]; KOVALEVA, V.I.; ZIL'FYAN, V.H.; MNATSAKANYAN, A.G.; BOYKO, L.D.; SVERCHKOV, A.N.

Authors' abstracts. Zhur. mikrobiol., epid. i immun. 41 no.11:138-143 '65. (MIRA 18:5)

1. Irkutskiy institut epidemiologii i mikrobiologii (for Kuzina, Maletina). 2. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni Tarasevicha (for Adomonite). 3. L'vovskiy institut epidemiologii, mikrobiologii i gigiyeny (for Grishina). 4. Rizhskiy meditsinskiy institut (for Grant). 5. Dagestanskiy institut po proizvodstvu pitatel'nykh sred (for Kovaleva). 6. Yerevanskiy meditsinskiy institut i Respublikanskaya sanitarno-epidemiologicheskaya stantsiya (for Zil'fyan, Mnatsakanyan). 7. Kiyevskiy institut epidemiologii i mikrobiologii (for Boyko, Sverchkov).

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GRISHINA, O.S.; KALITSEVA, L.I.; MAKSIMOVICH, K.A.; KROPOTOVA, Z.N.

Epidemiology of coli enteritis in Lvov. Zhur. mikrobiol., epid. i immun. 40 no. 8:125-130 Ag '63. (MIRA 17:9)

1. Iz L'vovskogo instituta epidemiologii, mikrobiologii i gigiyeny.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O.S.; KALITSEVA, L.I.; MAKSIMOVICH, K.A.

Characteristics of enzyme and serological properties of enteropathogenic Escherichia coli isolated in enteritis in neonates and infants. Zhur. mikrobiol. epid. i immun. 33 no. 10:65-70 O'62 (MIRA 17:1)

1. Iz L'vovskogo instituta epidemiologii, mikrobiologii i gigiyeny.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O.S.; KALITSEVA, L.I.; MAKSIMOVICH, K.A.

Importance of enteropathogenic E. coli in the etiology of acute intestinal diseases in children during the first year of life. Vop. okh. mat. i det. 7 no.3:6-9 Mr '62. (MIRA 15:5)

1. Iz L'vovskogo instituta epidemiologii, mikrobiologii i gigiyeny (dir. - kand.med.nauk S.D.Klyuzko).
(ESCHERICHIA COLI) (INFANTS--DISEASES)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O. S.

"Etiological Characteristics of Paratyphoid Diseases." Cand Med Sci, Dnepropetrovsk Medical Inst, L'vov, 1954. (RZhKhol, No 7, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10).

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O. S.

USSR/Medicine - Dysentery FD-2321

Card 1/1 Pub 148 - 22/36

Author : Grishina, O. S.; Kapustyak, S. M.

Title : Concerning the application of the haptene reaction for the diagnosis of bacterial dysentery

Periodical : Zhur. mikro. epid. i immun. No 2, 59-64, Feb 1955

Abstract : Because of the unspecific character of the haptene reaction, a high percentage of positive reactions was obtained on healthy subjects. For that reason, the authors do not recommend the haptene reaction for the diagnosis of dysentery. Three tables.

Institution : L'vov Institute of Epidemiology, Microbiology, and Hygiene

Submitted : April 30, 1954

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

PUDOVIK, A.N., KUZNETSOV, YE.V., MALICHENKO, B.F., GRISHINA, O.P.

The synthesis of various phosphorus-containing monomers

Report presented at the 12th Conference on high molecular weight compounds devoted to monomers, Baku, 3-7 April 62

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP7010717

to disulfides of alkyl-N-dialkylamidodithiophosphinic acids. Under certain temperature conditions, some of the salts also were oxidized to disulfides. The nickel salt of cyclohexyl-N-dimethylamidodithiophosphinic acid was produced in quantitative yield by treating an aqueous solution of the dimethylammonium salt of this acid with nickel sulfide. The alkyl-N-dialkylamidodithiophosphinic acids and their ammonium salts synthesized can be used as starting materials in the synthesis of insecticides and additives to lubricating oils. Orig. art. has: 1 formula and 2 tables. [JPRS: 40,351]

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP7010717 SOURCE CODE: UR/0062/66/000/012/2139/2142

AUTHOR: Grishina, O. N.; Sokolova, I. A.

ORG: Institute of Organic Chemistry, Academy of Sciences USSR, Kazan' (Institut organicheskoy khimii AN SSSR)

TITLE: Sulfides of alkylthionophosphines. Communication 4. Method of producing ammonium salts of alkyl-N-dialkylamidodithiophosphinic acids

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1966, 2139-2142

TOPIC TAGS: phosphorus sulfide, ammonium salt, secondary amine, lubricant additive, insecticide

SUB CODE: 07

ABSTRACT: On the basis of earlier studies in which acid esters of dialkyldithiophosphinic acids were produced by the reaction of alkylthionophosphine sulfides with alcohols possessing a labile hydrogen atom, the authors studied the analogous reaction between alkylthionophosphine sulfides and amines. The reactions of butyl- and cyclohexylthionophosphine sulfides with ammonia, primary and secondary amines, aniline, piperidine, and α-aminopiperidine were studied. A series of ammonium salts of butyl- and cyclohexylamidodithiophosphinic acids were synthesized. In the case of diisopropyl- and diisobutylamines and aniline, the reaction stopped at the formation of the acids, which then showed a great tendency to oxidize in air

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ACC NR: AP6031386

Composition and properties of the mixed esters are given in Tables 1 and 2. [WA-50; CBE No. 12]

SUB CODE: 07/06/ SUBM DATE: 14Jun65/ ORIG REF: 002/ OTH REF: 002/

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP6031386

Table 2. Carbethoxymethyl esters of alkyl-N,N-dialkylamido-phosphinic acids $R(R'R''N)P(S)SCH_2COOC_2H_5$

Compound no.	R	R'	R''	bp (p in mm)	Yield (in %)	d_4^{20}	n_D^{20}	Found % N	Found % P	Found % S	Formula	Calculated % N	Calculated % P	Calculated % S
XX	cyclo-C_6H_{11}	CH_3	CH_3	137–139° (0.01)	63	1.1542	1.5493	4.74	10.35	20.61	$C_{12}H_{24}NO_4PS_2$	4.57	10.01	20.72
XXI		C_2H_5	C_2H_5	148–149 (0.01)	78	1.1256	1.5430	4.19	9.35	19.46	$C_{14}H_{28}NO_4PS_2$	4.15	9.18	19.00
XXII		cyclo-C_6H_{11}	–	177–179 (0.01)	69	1.1565	1.5573	4.35	8.58	18.43	$C_{18}H_{32}NO_4PS_2$	4.00	8.85	18.35
XXIII		$CH_2{=}CH{-}CH_2$	$CH_2{=}CH{-}CH_2$	156–158 (0.01)	66	1.1190	1.5510	4.07	8.59	18.93	$C_{18}H_{28}NO_4PS_2$	3.87	8.54	17.70
XXIV		H	C_6H_5	mp 82.5–83.5° (alcohol)	74	–	–	3.06	8.42	17.68	$C_{18}H_{18}NO_4PS_2$	3.83	8.47	17.02
XXV		C_2H_5	C_2H_5	163–165 (0.01)	70	[illegible]	1.5292	3.35	7.55	15.96	$C_{16}H_{32}NO_4PS_2$	[illegible]	[illegible]	16.29
XXVI		iso-C_3H_7	iso-C_3H_7	159–161 (0.01)	67	1.0812	1.5121	3.09	7.55	15.13	$C_{18}H_{36}NO_4PS_2$	3.56	7.86	16.29
XXVII	sec.-C_4H_9	CH_3	CH_3	107–109 (0.01)	85	1.1291	1.5315	4.91	10.85	22.68	$C_{10}H_{24}NO_4PS_2$	4.91	10.93	22.62
XXVIII		C_2H_5	C_2H_5	128 (0.01)	70	1.1172	1.5263	4.60	10.07	20.25	$C_{12}H_{28}NO_4PS_2$	4.43	9.96	20.30
XXIX		–	cyclo-C_6H_{10}	145–147 (0.01)	76	1.1311	1.5415	3.82	9.48	19.71	$C_{12}H_{22}NO_4PS_2$	4.33	9.57	19.83
XXX		$CH_2{=}CH{-}CH_2$	$CH_2{=}CH{-}CH_2$	142–143 (0.04)	68	1.0684	1.5357	4.23	9.28	19.38	$C_{14}H_{24}NO_4PS_2$	4.17	9.23	19.12
XXXI		C_4H_9	C_4H_9	145–147 (0.04)	82	1.0474	1.5158	3.68	8.33	17.54	$C_{16}H_{34}NO_4PS_2$	3.81	8.42	17.44
XXXII		iso-C_4H_9	iso-C_4H_9	148–150 (0.02)	77	1.0755	1.5191	3.48	8.22	17.21	$C_{16}H_{34}NO_4PS_2$	3.81	8.42	17.43

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP6031386

Table 1. Amido esters of alkyldithiophosphinic acids $R(R'R''N)P(S)SR'''$

Compound no.	R	R'	R''	R'''	BP (p in mm)	Yield (in %)	d_4^{20}	n_D^{20}	Found % N	Found % P	Found % S	Formula	Calculated % N	Calculated % P	Calculated % S
III	sec-C_4H_9	C_2H_5	C_2H_5	C_2H_5	98* (0.015)	56	1.0336	[illegible]	5.21	11.[illegible]	[illegible]	$C_{10}H_{22}NPS_2$	[illegible]	[illegible]	[illegible]
IV		C_2H_5	C_2H_5	C_2H_5	119 (0.015)	30	0.9[illegible]	1.5[illegible]	4.[illegible]	9.81	21.[illegible]	$C_{11}H_{23}NPS_2$	[illegible]	10.[illegible]	20.72
V		H	CH_3	C_2H_5	mp 48–48.5* (alcohol + water)	59			5.82	13.05	21.[illegible]	$C_{9}H_{20}NPS_2$	[illegible]	[illegible]	[illegible]
VI		CH_3	CH_3	C_2H_5	152 (0.05)	63	1.[illegible]	1.56[illegible]	5.[illegible]	12.[illegible]	[illegible]	$C_{10}H_{22}NPS_2$	[illegible]	12.[illegible]	[illegible]
VII		CH_3	CH_3	C_3H_7	98 (0.01)	51	1.0754	1.5570	5.26	11.[illegible]	23.78	$C_{11}H_{24}NPS_2$	5.[illegible]	11.[illegible]	23.16
VIII		CH_3	CH_3	C_4H_9	116 (0.01)	53	1.0654	1.5[illegible]	5.07	11.11	22.07	$C_{12}H_{26}NPS_2$	5.03	11.[illegible]	22.[illegible]
IX		CH_3	CH_3	$CH_2C_6H_5$	169–170 (0.01)	60	1.1341	1.5[illegible]	4.17	9.86	20.53	$C_{13}H_{21}NPS_2$	4.32	9.[illegible]	20.[illegible]
X		C_2H_5	C_2H_5	C_2H_5	130 (0.03)	61	1.0609	1.5535	4.90	11.32	22.03	$C_{13}H_{26}NPS_2$	5.01	11.[illegible]	22.[illegible]
XI		C_2H_5	C_2H_5	C_3H_7	130 (0.02)	68	1.0522	1.5461	4.80	10.63	21.67	$C_{13}H_{28}NPS_2$	4.77	10.[illegible]	21.[illegible]
XII		C_2H_5	C_2H_5	C_4H_9	145 (0.02)	41	1.0412	1.5430	4.63	9.67	20.65	$C_{14}H_{30}NPS_2$	4.5[illegible]	10.07	20.[illegible]
XIII	cyclo-C_6H_{11}	C_2H_5	C_2H_5	*	mp 114–115* (alcohol)	25	—	—	5.48	11.81	23.90	$C_{14}H_{28}N_2P_2S_2$	5.29	11.71	21.20
XIV		C_2H_5	C_4H_9	C_2H_5	135 (0.02)	61	1.0264	1.5363	4.9[illegible]	9.49	19.15	$C_{14}H_{31}NPS_2$	4.18	9.[illegible]	[illegible]
XV		C_2H_5	C_2H_5	C_4H_9	146–148 (0.01)	63	1.0046	1.5283	3.71	8.51	17.84	$C_{15}H_{33}NPS_2$	3.85	8.52	17.[illegible]
XVI		H	C_6H_6	C_2H_5	mp 94–95* (alcohol)	68	—	—	4.82	10.20	21.24	$C_{17}H_{22}NPS_2$	4.66	10.[illegible]	21.[illegible]
XVII		cyclo-C_6H_{10}	—	C_2H_5	mp 54–55.5* petroleum ether	42	—	—	4.55	10.67	22.25	$C_{13}H_{26}NPS_2$	4.80	10.62	22.00
XVIII		H	$C_6H_5N_2$	C_2H_5	mp 84.5–85* (benzene)	55	—	—	9.21	10.35	21.48	$C_{13}H_{21}N_2PS_2$	9.36	10.31	21.31
XIX		H	$C_2H_5N_2$	C_2H_5	mp 140–142*	20	—	—	19.44	10.95	22.30	$C_{10}H_{19}N_2PS_2$	19.29	10.81	22.80

* $R''' = (C_6H_{11})[(C_2H_5)N]P(S)SC_2H_5$.

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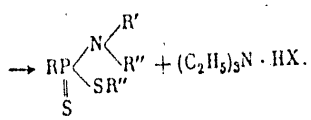
ACC NR: AP6031386



R', R'', R''', and X are shown in the tables. The reaction proceeds in dry nitrogen atmosphere at 40—60°C. The previously unreported carbethoxymethyl esters of alkyl(N,N-dialkylamido)-dithiophosphinic acids (XX—XXXII) were obtained by the same reaction using ethyl chloroacetate instead of alkyl halides.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP6033886 SOURCE CODE: UR/0079/66/036/009/1655/1658

AUTHOR: Grishina, O. N.; Yelfimova, I. A.

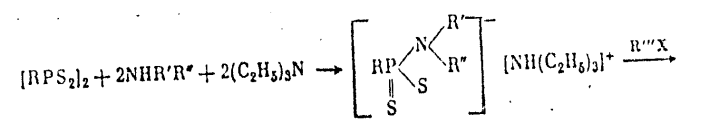
ORG: none

TITLE: Alkylthionophosphine sulfides. V. Synthesis of mixed amido esters of alkyldithiophosphinic acids

SOURCE: Zhurnal obshchey khimii, v. 36, no. 9, 1966, 1655-1658

TOPIC TAGS: insecticide, ~~preparation, alkyldithiophosphinic acid amido~~ ester, AMIDE, PHOSPHINIC ACID, PHOSPHOROUS SULFIDE

ABSTRACT: The synthesis was studied of mixed amido esters of alkyldithiophosphinic acids, which may be used in the preparation of insecticides. By using alkylthiophosphine sulfides and amines as the starting compounds, the previously unreported mixed amido esters (III-XIX) were obtained by the following reaction:



$$[RPS_2]_2 + 2NHR'R'' + 2(C_2H_5)_3N \longrightarrow \left[RP(=S)(S)N(R')(R'') \right]^- [NH(C_2H_5)_3]^+ \xrightarrow{R'''X}$$

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ACC NR: AP6032905

O-ethylcyclohexyldithiophosphinic acid was obtained by the reaction of cyclohexyldithionophosphine sulfide with excess ethanol at 60—80°C. Some of the acids add to acrylonitrile and methyl acrylate at the double bond to form the corresponding esters shown in Table 2. [WA-50; CBE No. 12]

Table 2. O-alkyl-S-(β-cyanoethyl) and O-alkyl-S-(β-carbomethoxyethyl) esters of butylphosphinic acids R(R'O)(R"S)PS

R	R'	R"	bp (p mm Hg)	d_{ζ}^{20}	n_{ζ}^{20}	Found, %			Calculated, %			[illegible]
						C	H	P	C	H	P	
[illegible]	[illegible]	$(CH_2)_2COOCH_3$	125 (0,016)	[illegible]	[illegible]	44,51	7,62	10,42	44,26	7,77	[illegible]	[illegible]
[illegible]	$(CH_2)_2COCH_3$	$(CH_2)_2CN$	142 (0,02)	[illegible]	[illegible]	44,82	7,53	10,73	44,71	7,51	10,45	[illegible]
[illegible]	$(CH_2)_2OC_2H_5$	$(CH_2)_2CN$	135 -136 (0,015)	[illegible]	1,5065	44,36	8,03	10,46	44,71	7,51	10,48	59,70

SUB CODE: 07/ SUBM DATE: 14Apr64/ ORIG REF: 004/ OTH REF: 002

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ACC NR: AP6032905

The reactivity of the primary isomers was found to be higher than that of secondary. Alkylthiophosphine sulfides react with primary alcohol in absolute benzene in CO_2 atmosphere at 60—70°C and with secondary alcohol at 70—85°C to form the corresponding acids shown in Table 1.

Table 1. O-alkylalkyldithiophosphinic acids

R (R'O) PSSH

R	R'	bp, °C (p, mm Hg)	d_4^{20}	n_D^{20}	Found C	Found H	Found P	Calculated C	Calculated H	Calculated P	Yield, %
[illegible]	[illegible]	61.5 ([illegible])	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	74.5 ([illegible])	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	65 (0.15)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
sec-C_4H_9	[illegible]	62 (0.15)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
sec-C_4H_9	[illegible]	104—104.5 (0.19)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
sec-C_4H_9	[illegible]	72.5—76 (0.13)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C_5H_{11}	[illegible]	78 (0.04)	[illegible]	[illegible]	37.44	7.55	[illegible]	[illegible]	[illegible]	[illegible]	66.5
[illegible]	[illegible]	95—96 (0.04)	[illegible]	[illegible]	42.46	8.44	[illegible]	42.45	8.48	13.69	62.26
sec-C_5H_{11}*	[illegible]	68.5 (0.2)	1.1072	1.5370	36.83	7.65	15.[illegible]	36.34	7.59	15.61	55.46
sec-C_5H_{11}	[illegible]	92—92.5 (0.2)	1.0596	1.5213	43.28	8.02	13.[illegible]	42.45	8.48	13.68	67.88
sec-C_5H_{11}	$(CH_3)_2CHCH_2$	97—98 (0.015)	1.0014	1.5420	38.59	7.98	12.[illegible]	39.65	7.90	12.78	63.64
sec-C_5H_{11}	$(CH_3)_2CHCH_2$	104 (0.14)	1.0776	1.5140	42.02	8.13	12.[illegible]	42.20	8.26	12.[illegible]	66.34
C_6H_{13}	C_6H_{13}	160—163 (0.018)	1.1368	1.5500	43.26	7.82	13.[illegible]	42.83	7.64	13.80	42.85

* sec-C_5H_{11}—here and in other compounds: $\begin{matrix} CH_3 \\ C_2H_5 \end{matrix}\!\!>\!CH-$.

Card 2/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

SOURCE CODE: UR/0062/66/000/009/1617/1620

ACC NR: AP6[illegible]

AUTHOR: Grishina, O. N.; Bezzubova, L. M.

ORG: Institute of Organic Chemistry, Academy of Sciences, SSSR, Kazan (Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Alkylthionophosphine sulfides. III. O-alkyl-alkyldithiophosphonic acids

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 9, 1966, 1617-1620

TOPIC TAGS: alkylalkyldithiophosphinic acid preparation, alkylalkyldithiophosphinic acid ester, isomer, phosphinic acid, phosphorylation, butane, pentane, cyclohexane

ABSTRACT: The reactivity of isomers of alkylphosphinic acid chlorides, formed in the oxidative phosphorylation of n-butane, n-pentane, and cyclohexane, was studied in reactions with P_2S_5, H_2S, and primary and secondary alcohols:

$$RP(O)Cl_2 \xrightarrow{P_2S_5} RP(S)Cl_2 \xrightarrow{H_2S} (RPS_2)_2 \xrightarrow{R'OH} R(R'O)PSSH$$

UDC: 542.91+661.718.1+661.719

Card 1/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

L 35322 EWT(m)/EWP(j) RM

ACC NR: AP6026896 SOURCE CODE: UR/0062/65/000/012/2140/2143

AUTHOR: Grishina, O. N.; Bezzubova, L. M.

ORG: Institute of Organic Chemistry, AN SSSR, Kazan'

TITLE: Alkylthionophosphine sulfides

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1965, 2140-2143

TOPIC TAGS: alkylphosphine, sulfide, chemical synthesis, phosphinic acid, chemical decomposition, acrylonitrile, methacrylate

ABSTRACT: The authors describe the results of an investigation of the reaction between butylthionophosphine sulfide and alcohols alkyldithiophosphinic acids, by reacting alkylthionophosphine sulfides with alcohols (German Patent 1101417, 1961). Owing to the hygroscopicity of the synthesized butylthionophosphine sulfide, it was treated with ethyl alcohol; the resulting reaction produced high yield (90%) of O-ethylbutyldithiophosphinic acid. The sulfide was treated with other alcohols (aliphatic and alicyclic) to give O-hexylbutyldithiophosphinic and O-cyclohexylbutyldithiophosphinic acids. These acids are colorless, mobile fluids which slowly decompose, releasing H_2S. Their physical constants are tabulated. Owing to the presence of the mobile H atom, alkyldithiophosphinic acids are compounds capable of addition reactions with acrylonitrile and methacrylate, thus ultimately yielding the corresponding esters. The experimental analysis was carried out by T. S. Krivovoy. Orig. art. has: 1 table. [JPRS: 36,455]

SUB CODE: 07 / SUBM DATE: 12Aug63 / OTH REF: 005

UDC: 542.91+661.718.1

Card 1/1 0776 2654

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

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[illegible] L.M.

[illegible] sulfides. Report No. [illegible]
[illegible] phosphinic acids. Izv. [illegible]
[illegible]

[illegible] Institut [illegible] Akademii [illegible]
[illegible] 12, [illegible]

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O.N.; BEZZUBOVA, L.M.

Alkylthionophosphine sulfides. Report 1. Synthesis and properties of alkylthionophosphine sulfides. Izv. AN SSSR, Ser. khim. no.9: 1619-1623 '65. (MIRA 18:9)

1. Institut organicheskoy khimii AN SSSR, Kazan'.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O.N.; SAB[illegible], [illegible]; [illegible], I.A.

Synthesis of [illegible]. Neftekhimiia 4 no.[illegible]:320-322 (M[illegible] 17:8)
Mr-Ap'64

1. Institut organicheskoy khimii AN SSSR, Kazan'.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O.N.; NAVTANOVICH, M.L.; CHERNYAK, A.S.; SABIROVA, R.Z.; FILIPPOVA, A.P.

Synthesis of dialkyl esters of alkylphosphinic acids and testing of their extractive properties. Trudy Kom.anal.khim.14:312-322 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O.N.; SABIROVA, R.Z.

Alkyl phosphinates. Met. poluch. khim. reak. i prepar. no.6:11-14 '62. (MIRA 17:5)

1. Institut organicheskoy khimii AN SSSR, g. Kazan'.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O.N.

Normal paraffinic hydrocarbons of Bavly petroleum kerosine. Izv.-Kazan.fil. AN SSSR. Ser.khim.nauk no.6:84-86 '61. (MIRA 16:5)
(Bavly region--Petroleum) (Paraffins)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

substituted benzenes as well as meta- and para-substituted benzenes and 1,3,5-trialkylbenzenes in a larger amount. It is possible that mono-substituted benzenes are present (Fraction IV). From fraction VI onwards the total intensity of the spectra increases, covering the absorption range of alkyl benzenes from fraction VIII onwards. α- and β-methyl naphthalenes do appear. Fraction IX contains only ethyl naphthalenes. Fraction II was divided into 6 close fractions (Table 2). On the basis of these results it may be concluded that the naphthene hydrocarbons of the cyclohexane series have a similar type of substitution within the entire boiling range of petroleum. Ethyl-, dimethyl- and trimethyl naphthalenes are bicyclic aromatic substances (Table 3). B. A. Arbuzov, Academician and R. A. Virobyants, Head of the Petroleum Laboratory of the Institute assisted in the work. There are 3 figures, 3 tables, and 11 references, 6 of which are Soviet.

ASSOCIATION: Khimicheskiy institut Kazanskogo filiala Akademii nauk SSSR (Chemical Institute of the Kazan' Branch of the Academy of Sciences USSR)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

Investigation of the Hydrocarbons of the Cyclohexane- and Decalin Series in the Kerosene of the Bavlinskaya (Devonian) Petroleum SOV/20-125-4-31/74

(boiling point 207 - 300°) of the Bavlinskaya petroleum was catalytically dehydrogenized on a platinum-iron-catalyst in 2 fractions. It was found that the catalyzate takes up a blue tone with progressing dehydrogenation. This phenomenon can be explained by the well-known formation of products of destructive side reactions (Ref 6). In similar cases azulenes are formed (Refs 6-8). From the kerosene catalyzate the authors obtained a blue benzene solution which turned green when exposed to air (Fig 1). Above 270° a transformation of the azulenes into naphthalene hydrocarbons is possible (Ref 10). This has also a certain effect upon the decalin determination of the petroleum fractions. 8% of secondary aromatic hydrocarbons were obtained by the dehydrogenation of the first petroleum fraction (boiling point 207 - 233°). The fractions I - IX (Table 1) were obtained by fractionation. The main part consisted of monocyclic aromatic substances. The fractions I - V have the absorption maxima characteristic of alkyl benzenes. In spite of a similarity with respect to the composition of the groups they contain tetraalkyl-

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

5 (3)

AUTHORS: Grishina, O. N., Gonik, V. K. SOV/20-125-4-31/74

TITLE: Investigation of the Hydrocarbons of the Cyclohexane- and Decalin Series in the **Kerosene** of the Bavlinskaya (Devonian) Petroleum (Issledovaniye uglevodorodov ryada tsiklogeksana i dekalina v kerosine bavlinskoy (devonskoy) nefti)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 4, pp 803-806 (USSR)

ABSTRACTS: The present paper is a continuation of previous papers (Refs 1,2) in the field mentioned in the title. The two hydrocarbons mentioned in the title are the main components of the hydrocarbons of most petroleum types. In the course of the research work carried out by the Institut nefti AN SSSR (Petroleum Institute AS USSR) it was found how the groups of naphthene hydrocarbons of the cyclohexane and decalin series are composed (Refs 3, 4). In the **kerosene** of the Romashkinskaya and Tuymazinskaya petroleum several hexahydroaromatic hydrocarbons were found as well as dihydroazenaphthene. The present paper deals with the group-composition of secondary aromatic hydrocarbons separated by rectification according to the size of the molecules. The **kerosene** freed from paraffin and dearomatized

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

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ROBINZON, Ye.A; GRISHINA, O.N.; MUKHAMEDOVA, L.A.; URMANCHEYEV, F.A.; IZMAYLOV, R.I.; BONCHER, L.Ye.; KASHAYEV, S.-Kh.G.; AMIRKHANOVA, N.G.; GONIK, V.K.; BAYBUROVA, M.Kh.; NECHAYEVA, M.A.

Petroleums of the Tatar A.S.S.R. Izv.Kazan.fil.AN SSSR.Ser.khim. nauk no.4:93-113 '57. (MIRA 12:5)
(Tatar A.S.S.R.--Petroleum)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ROBINSON, Ye.A.; GRISHINA, O.N.

Aromatic hydrocarbons of the Bavly kerosine. Dokl.AN SSSR 106 no.4:671-674 F '56. (MLRA 9:6)

1.Khimicheskiy institut imeni A.A.Arbuzova Kazanskogo filiala Akademii nauk SSSR. Predstavleno akademikom A.Ye. Arbuzovym.

(Hydrocarbons) (Bavly--Kerosine)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, O. N.

"Synthesis and properties of vinylphosphonate. Part 2. Reaction of phosphoethylation. Addition of malonic, cyanoacetic and acetoacetic esters and their homologs to vinylphosphonate." Pudovik, A. N., Grishina, O. N. (p. 267)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1953, Volume No.23, No.2.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

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[illegible]
[illegible]/137/61/000/008/018/037
A060/A101

High-temperature cyaniding in sintered mixtures

content increases the depth of the transeutectoidal zone. Under simultaneous diffusion of C + N the diffusion of C is accelerated independently of the direction of the diffusion front (both on the inner and outer surfaces). Under simultaneous diffusion of N + C the acceleration of the C diffusion occurs due to the activation of the sintered carburizer on account of the formation of a CN compound. The raising of the cementation temperature from 900 to 1,000 and 1,050°C while maintaining the soaking for 3 hours increases the depth of the cementation layer by a factor of 2 - 3.5. There are 14 references.

A. Babayeva

[Abstracter's note: Complete translation]

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11800 1521, 1454, 1045

29464
S/137/61/000/008/018/037
A060/A101

AUTHORS: Zemskov, G. V., Dombrovskaya, Ye. V., Grishina, N. V.

TITLE: High-temperature cyaniding in sintered mixtures

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 8, 1961, 44, abstract 8D296 ("Nauchn. zap. Odessk. politekhn. in-ta", 1960, 26, 31-37)

TEXT: The influence was studied of N upon the process of cementation at temperatures of 950 - 1,050°C which are now being introduced into industry for the sake of intensifying the process and raising the productivity of thermal furnaces. The cementation was carried out in a fresh peaty carburizer and in a carburizer with an addition of 13 and 25% of red potassium ferrocyanide $K_3Fe(CN)_6$ at temperatures of 900, 950, 1,000, and 1,050°C for periods of 0.5; 1; 2; 3 hours. In order to ascertain the influence of diffusion counterflows of C and C + N upon the depth of the layer, the cementation of hollow conical specimens of steel 3 was carried out. On the basis of the results of the microstructure analysis it is concluded that at high-temperature cementation N accelerates the diffusion of C, while the nitrogen-containing addition of $K_3Fe(CN)_6$ to the sintered carburizer favors an increase in the depth of eutectoidal layer; its higher

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L 2276[illegible]
ACCESSION NR: AT5003400

6

C and 0.02% B led to an increase in the parameters of γ - and γ'-phase lattices and to an intensive growth of γ'-phase particles which were distributed on certain crystallographic planes after hardening and prolonged aging. At the same time, a second solid solution based on an NiAl compound had formed. The same pattern was observed in cast, and hardened and aged specimens containing 5% Ti. An addition of 0.02% C to specimens with 3% Ti brought about the formation of considerable amounts of differently shaped primary carbides such as $Me_{23}C_6$, Me_6C and cubic TiC. In specimens without Ti, coagulation of the γ'-phase particles was inhibited and a carbide eutectic phase formed. With up to 0.4% B, 0.20% C, 1.5% Ti and 4.2% Al the character of the primary carbides was greatly affected but the size of the γ'-phase particles remained unchanged; in these amounts, B additions enhanced the formation of a eutectic phase which lowered the alloyability of the solid solution and of the γ'-phase. "G. M. Romashova, N. F. Poplavskaya, V. N. Makarova, Z. I. Galkina and M. I. Vlaskina also took part in the work." Orig. art. has: 16 figures and 1 table.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii, Moscow (Central ferrous metallurgy scientific research institute)

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 005 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

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L 27765-65 EPF(n)-2/EPR/EPA(a)-2/EWT(m)/EPA(bb)-2/EWP(b)/T/EWP(e)/EWP(t) Pg-4/Pt-10/Pu-4 IJP(c) WW/JG/JD

ACCESSION NR: AT5003400 S/2776/64/000/038/0051/0065

AUTHOR: Cherovak, G. S.; Smirnova, A. V.; Kostogonov, V. G.; Kokorin, G. A.; P[illegible]ov, V. [illegible]; Grishina, N. S.; Dubrovina, A. N.; Pegova, T. G.

TITLE: Effect of titanium, aluminum, carbon and boron on the structure and phase composition of Ni base alloys

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii. Sbornik trudov, no. 38, 1964. Novyye metody ispytaniy metallov; metallograficheskiye issledovaniya i mekhanicheskiye ispytaniya metallov (New methods in the analyses of metals; metallographic investigations and mechanical analyses of metals), 51-65

TOPIC TAGS: eutectic, carbide, alloy structure, alloy phase composition, nickel base alloy, titanium alloy, aluminum alloy, boron alloy, carbon content

ABSTRACT: Ni-alloy specimens with different contents of C, Ti, Al and B were investigated with respect to structure and phase composition. The excess phases were studied by metallographic methods including film etching, microdiffraction, electron microscopy and X-rays, as well as by phase analysis of the precipitated residues. An increased addition of Al up to 8% in specimens with 1.5% Ti, 0.02%

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, N. S.

Thermocouple for 100-2200°. V. A. Boyarshinov, O. Z. Budzinskii, N. S. Grishina, V. A. Enina, N. N. Morgunova, F. G. Nikonov, M. V. Pridantsev, N. I. Svede-Shvets, and Yu. S. Chinarov. U.S.S.R. 104,102, Oct. 25, 1956. The pos. end of the thermocouple is made of pure W and the neg. of a Mo-Al alloy contg. up to 1.5% Al. M. Hosch

9

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

L 40290-66 EWP(e)/EWT(m) WW

ACC NR: AR6014579 (A) SOURCE CODE: UR/0081/65/000/021/3062/3062

AUTHORS: Grishina, N. P.; Mel'nik, M. T.

TITLE: Synthesis and investigation of properties of glass in systems V_2O_5--BaO--PbO and WO_3--MoO_3--P_2O_5

SOURCE: Ref. zh. Khimiya, Abs. 21B499

REF SOURCE: Sb. Stekloobrazn. sostoyaniye. T. 3. Vyp. 4, Minsk, 1964, 74-76

TOPIC TAGS: glass, phosphate glass, specific volume, chemical stability, electric property, electric resistance, semiconductivity, activation energy

ABSTRACT: Physical, chemical, and electrical properties of glass formed in systems V_2O_5--BaO--PbO and WO_3--MoO_3-P_2O_5 were investigated. Glass of the system V_2O_5--BaO--PbO is practically unaffected by boiling water. Specific volume resistance varies within limits 10^6 to 10^{12} ohm cm. Activation energy of the current carriers, determined from the temperature dependence of the electrical resistance, is 0.15--0.41 electron-volts. Chemical stability of the WO_3--MoO_3--P_2O_5 glass in water varies from 1.52 to 70% and specific electrical resistance at 20° from 10^7 to 10^{12} ohm cm. Activation energy is 0.18--0.55 electron-volts. Curves of the temperature vs log of conductivity for glasses of both systems are characteristic for semiconductors. N. Shenkin /Translation of abstract/

SUB CODE: 11 G/

Card 1/1

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, N.P., kand.tekhn.nauk (Minsk)

Effect of sand occuring in clays in some properties of keramzit gravel. Sbor. nauch. trud. Bel. politekh. inst. no.86:117-123 '60. (MIRA 13:10)

(Clay) (Sand)

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26194
S/081/61/000/017/020/026
B110/B216

Aluminum-boron-phosphate enamels ...

oxidation or dull pickling with a mixture of HNO_3 and H_2SO_4 proved most suitable. Satisfactory damping of the enamels was attained by using $NaNO_2$ as grinding additive in combination with damping agents. Cr_2O_3, Fe_2O_3, Co_2O_3, CuO and other pigments were added for the preparation of colored enamels. The enamels were baked at 480-540°C for 3-5 min. The thermal expansion coefficient of the enamels was $133-185 \cdot 10^{-7}$. The studies showed that titanium enamels have the greatest wetting angle, while addition of ZnO or Sb_2O_3 improved the wetting properties. Phosphate enamels are resistant to water and acids. ZnO and CaO increase the resistance of the enamels to alkali. [Abstracter's note: Complete translation.]

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

26194
S/081/61/000/012/020/028
B110/B216

15.2141

AUTHORS: Bezborodov, M. A., Grishina, N. P.

TITLE: Aluminum-boron-phosphate enamels for aluminum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1961, 596, abstract 12K375 (12K375)("Sb. nauchn. rabot. In-t obshch. i neorgan. khimii AN BSSR", 1960, no. I, 99-111)

TEXT: Colored and white phosphate enamels were prepared, which gave good bonding with aluminum. The enamels no. 119 and 122 proved to be suited best. Their compositions (in % by weight) were: K_2O - 2.9; 3.9; Na_2O = 13.2; 13.2; Li_2O = 3.9; 2.9; NaF = 4.4; 5.4; Al_2O_3 = 12.2; 12.2; B_2O_3 = 8.4; 8.4; P_2O_5 = 44.4; 44.4; TiO_2 = 7.2; 6.7; Sb_2O_3 = 3.4; 0 ZnO = 0; 2.9. To improve bonding of the enamel to the metal it is recommended to add 8-10% TiO_2, or 6-8% CuO, or 5-6% MoO_3 to the charge. The authors studied the optimum composition of the grinding additives and the various methods for treating the surface of the metal. Chemical

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26193
S/081/61/000/012/016/020
B110/B216

Boron-free phosphate enamels ...

cold and hot water, 4% CH_3COOH and even to cold 5% soda solution.

[Abstracter's note: Complete translation.]

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

26193
S/081/61/000/012/018/028
B110/B216

15.2141

AUTHORS: Bezborodov, M. A., Grishina, N. F.

TITLE: Boron-free phosphate enamels for aluminum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1961, 396 abstract 12K373 (12K373)("Sb. nauchn. rabot. In-t obshch. i neorgan. khimii AN BSSR", 1960, no. 1, 91-98)

TEXT: An easily fusible phosphate-strontium enamel with an annealing temperature of 400°C and the following composition (in mole%) was developed: K_2O = 4.2; Na_2O = 21.5; NaF = 20.8; SrO = 8.4; Al_2O_3 = 12.5; P_2O_5 = 32.6. Enamels with a colored polish were obtained by using Cr_2O_3 and Fe_2O_3 as pigment additives, and boron-free white enamels by using grinding additives consisting of 1-2% of $NaNO_2$ + 8% of TiO_2 + 3% of MoO_3. The enamels showed a thermal expansion coefficient of $143-164 \cdot 10^{-7}$, and a melting range of 200-260°C; the temperature at which softening was completed was 600-820°C. The phosphate enamels obtained were resistant to

Card 1/2

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GRISHINA, N.P.

PHASE I BOOK EXPLOITATION SOV/4578

Minsk. Belorusskiy politekhnicheskiy institut

Khimiya, tekhnologiya i istoriya stekla i keramiki (The Chemistry, Technology, and History of Glass and Ceramics) Minsk, Red.-izd. otdel BPI imeni I. V. Stalina, 1960. 138 p. (Series: Its: Sbornik nauchnykh trudov, vyp. 86) 1,200 copies printed.

Sponsoring Agencies: Ministerstvo vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR; Belorusskiy politekhnicheskiy institut imeni I. V. Stalina.

Editorial Board: N. N. Yermolenko, Candidate of Technical Sciences, I. S. Kachan, and L. K. Petrov; Ed.: N. V. Kapranova; Tech. Ed.: S. A. Pesina.

PURPOSE: This book is intended for chemists and physicists interested in the composition, structure, and properties of glass and ceramics.

~~Card 1/6~~

The Chemistry, Technology, and History (Cont.) SOV/4578

COVERAGE: The articles contained in this collection deal with methods of studying the properties of various glass and ceramic compositions and the technology of glass and ceramics manufacture. The last two articles treat the history of silicate chemistry. No personalities are mentioned. References follow the articles.

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The Chemistry, Technology, and History (Cont.) SOV/4578

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Grishina, N. P. [Candidate of Technical Sciences (Minsk)]. The Effect of Sand in Clays on Some Properties of "Keramzit" [a porous clay filler] Gravel 117

Card 5/6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

BEZBORODOV, M.A.; MAZO, E.E.; GRISHINA, N.P.; KAMINSKAYA, V.S.

Enamels for aluminum. Dokl. AN BSSR 3 no.7:300-302 Jl '59. (MIRA 12:11)

(Enamel and enameling) (Aluminum)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

BEZBORODOV, M.A., akademik; MAZO, E.E., kand.tekhn.nauk; GRISHINA, N.P., kand.tekhn.nauk; KAMINSKAYA, V.S., inzh.

Some properties of glasses of the system K_2O - Al_2O_3 - B_2O_3 - P_2O_5. Dokl.AN BSSR 3 no.2:52-55 F '59. (MIRA 12:5)

1. AN BSSR (for Bezborodov)
(Glass)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

BEZBORODOV, M.A. [Bezbarodau, M.A.], akademik; MAZO, E.E., kand. tekhn.nauk; GRISHINA, N.P. [Gryshyna, N.P.], kand. tekhn. nauk; KAMINSKAYA, V.S. [Kaminskaia, V.S.], inzh.

Studying some properties of $K_2O - PbO - B_2O_3 - SiO_2$ glass as a base for enamels on aluminum. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.1:53-57 '59. (MIRA 12:6)

1.AN BSSR (for Bezborodov).
(Glass) (Enamel and enameling)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, N.P.

Studying the process of the formation and control of the porous structure of expanded clay filler made from several White Russian clays. Sbor.nauch.rab.Bel.politekh.inst. no.63: 124-141 '58. (MIRA 12:4)
(White Russia--Clay)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

BEZBORODOV, M.A. [Bezbarodau, M.A.], akademik; PETROV, L.K. [Piatrou, L.K.], kand.tekhn.nauk; GRISHINA, N.P. [Gryshyna, N.P.], kand. tekhn.nauk

Composition of gases found in Keramizit pores and effect of additives on clay swelling. Vestsi AN BSSR. Ser. fiz.-tekhn. nav. no.2:48-60 '58. (MIRA 11:10)

1. AN BSSR (for Bezborodov)
(Keramzit--Testing)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

15-57-10-14347D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 161 (USSR)

AUTHOR: Grishina, N.P.

TITLE: Development of Cellular Structure in the Ceramsite From the Clay of the Belorusskaya SSR (Obrazovaniye yacheistoy struktury keramzita iz glin Belorusskoy SSR)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Belorusskiy Polytechnic Institute (Belorussk. politekhn. in-t), Minsk, 1957

ASSOCIATION: Belorussk. politekhn. in-t (Belorussian Polytechnic Institute), Minsk

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, N.N.

Establishing norms for the number of workers in the auxiliary shops of beet sugar factories. Sakh. prom. 36 no.12:28-29 D '62. (MIRA 16:6)

1. TsBLNT.

(Sugar factories—Management)
(Sugar workers)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

STOYANOV, P.A.; GRISHINA, N.M.

Elimination of astigmatism of the intermediate lens of an electron microscope using a stigmator during microdiffraction. Radiotekh. i elektron 6 no.8:1378-1381 Ag '61. (MIRA 14:7)
(Electron microscopy)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

S/120/60/000/004/014/023
E032/E414

The Universal High-Resolution Electron Microscope УЭМВ-100 (UEMV-100)

magnifications of 1.5×10^6; a binocular viewing arrangement having a magnification of x6 and a relatively large field of view (diameter 28 mm), and the pumping system of the microscope. Acknowledgments are expressed to Yu.M.Kushnir for assistance. There are 11 figures and 5 references: 3 Soviet and 2 non-Soviet.

SUBMITTED: July 4, 1959

Card 3/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

S/120/60/000/004/014/028
E032/E414

The Universal High-Resolution Electron Microscope Type 100 (UEMV-100)

space by thin walls. The coil windings are supplied with alternating current, consisting of symmetrical rectangular pulses. Currents in the upper and lower pairs of coils are 180° out of phase so that the fields produced by these coils are in opposite directions. The focusing corrector serves to increase the aperture of the illuminating system (Dorsten et al, Ref.3). In the present case the aperture angle is increased in one plane. At the same time the depth of focus is reduced so that precise focusing of the image is easier to establish. The corrector is particularly convenient in the case of relatively small electron optical magnifications with subsequent high magnification of the photographs. When the corrector is switched on the image, if not accurately focused, divides into two parts. The conditions under which this "doubling" disappears correspond to precise focusing. The paper is concluded with a general description of various other modifications including a special specimen table which can be used to select any given part of the specimen even under overall

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1

S/120/60/000/004/014/028
E032/E414

9.3140 (also 1003, 1140)

AUTHORS: Stoyanov, P.A., Mikhaylovskiy, G.A., Bertyn, A.R., Grishina, N.M. and Moseyev, V.V.

TITLE: The Universal High-Resolution Electron Microscope УЭМВ-100 (UEMV-100)

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No.4, pp.110-117

TEXT: A description is given of an electron microscope having a nominal resolution of 10 Å. It incorporates a focusing corrector, a deflecting system for work by reflection, a binocular viewer, a specially-designed vacuum chamber and various other features. This microscope presents an improved version of the microscope UEMV-100. The microscope column incorporates 5 lenses, namely 2 condensers, 1 objective, 1 intermediate lens and 1 projection lens. The aim of the modifications and improvements was to improve the electron-optical characteristics of the UEMV 100 microscope. In particular, a special focusing corrector was introduced between the second condenser and the objective. This corrector is in the form of two pairs of coils placed outside the vacuum chamber, one above the other. The coils are located in special grooves cut into the body and separated from the evacuated

Card 1/4

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHIN, N.I.

The sixth conference on noctilucent clouds. Astron.tsir. no.209:46-47 Mr '60. (MIRA 13:9)

1. TSentral'nyy Sovet Vsesoyuznogo astronomo-geodezicheskogo obshchestva.

(Clouds)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

KORENEV, B.G.; ZHILINSKIY, K.A.; BUNIN, N.N. [translator]; BUNKIN, G.I. [translator]; GRISHINA, M.M. [translator]

Reviews and bibliography. Osn., fund.i mekh.grun. no.6: 30-3 of cover '59. (MIRA 13:4)
(Bibliography--Foundations) (Bibliography--Soil mechanics)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

CHERNOV, M.S., dots.; MIKEROVA, V.V., dots.; VORSINA, M.A., dots.; KUVSHINNIKOV, I.M., dots.; MIL'CHEV, V.A., dots.; MAYYER, M.M., prepod.; IVANOVA, V.M., assist.; TITOV, V.F., prepod.; GRISHINA, L.V., assist.; BELYAYEVA, Ye.M., assist.; POPOVA, L.F., asist.; GUSEV, S.P., prof., red.; SERGEYEVA, A.S., tekhn. red.

[Laboratory manual on general chemistry; for the students of the institutions of higher learning specializing in the study of commodities and technology] Rukovodstvo k prakticheskim zaniatiiam po obshchei khimii dlia studentov tovarovedenykh i tekhnologicheskikh spetsial'nostei vysshikh uchebnykh zavedenii. Pod obshchei red. S.P.Guseva. Moskva, 1962. 206 p. (MIRA 16:9)

1. Moscow. Institut narodnogo khozyaystva. Kafedra obshchey khimii.

(Chemistry—Laboratory manuals)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

BORISOGLEBSKIY, B.N., inzhener; GRISHINA, L.S., inzhener; KOBYASHOVA, T.V., inzhener; SALAMATOV, I.I., inzhener, redaktor; STUPIN, A.K., redaktor; POPOVA, S.M., tekhnicheskiy redaktor.

[Filters; a catalog and handbook] Fil'try; katalog-spravochnik. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1955. 127 p. (MLRA 9:6)

1.Russia (1923- U.S.S.R.) Ministerstvo mashinostroeniya i priborostroyeniya.

(Filters and filtration)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRECHKIN, N.P.; SHAGIDULLIN, R.R.; GRISHINA, L.N.

Structure of the product of reaction between phosphite and ethanolamine. Dokl. AN SSSR 161 no.1:115-117 Mr '65.
(MIRA 18:3)

1. Khimicheskiy institut im. A.Ye. Arbuzova AN SSSR, Kazan'. Submitted July 31, 1964.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

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L 32042-66

ACC NR: AP6013339

form YB_4. The microhardness and strength of the borides decreases in the series $YB_4 \rightarrow YB_6 \rightarrow YB_{12}$. Measurements of the thermionic emission showed that the highest density of the emission current was that of YB_4 (0.284 A/cm^2 at 1890K). Currents of $9.68 \times 10^{-4} - 2.01 \times 10^{-5}$ A/cm^2 can be obtained from YB_6 and YB_{12} on a tantalum substrate at maximum operating temperatures of 1790 and 1730K, respectively. The work function (φ_0) increases from 3.2 to 5.31 to 5.36 in the series $YB_4 \rightarrow YB_6 \rightarrow YB_{12}$. The emissive properties depend substantially on the phase composition of the material. In their emissive properties, the yttrium borides studied are substantially inferior to lanthanum hexaboride. Orig. art. has: 8 fig. and 5 tables.

SUB CODE: 11 / SUBM DATE: 16Jun65 / ORIG REF: 007 / OTH REF: 004

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

3

L 32042-66 EWP(e)/ EWT(m)/EWP(t)/ETI IJP(c) JD/JG/AT/WH
(A)

ACC NR: AP6013339 SOURCE CODE: UR/0363/66/002/004/0608/0616

70
B

AUTHOR: Meyerson, G.A.; Zhuravlev, N.N.; Manelis, R.M.; Runov, A.D.; Stepanova, A.A.; Grishina, L.P.; Gramm, N.V.

ORG: Physics Department, Moscow State University im. M.V. Lomonosov (Fizicheskiy fakul'tet, Moskovskiy gosudarstvennyy universitet)

TITLE: Some properties of yttrium borides

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 4, 1966, 608-616

TOPIC TAGS: yttrium compound, boride, work function, thermionic emission

ABSTRACT: The thermionic and crystallographic constants of the borides YB_4, YB_6, and YB_{12} were measured, and the behavior of these materials in a vacuum at elevated temperatures was studied. The borides were prepared by the vacuum thermal method by reducing yttrium oxide with boron. YB_4 is indexed in a tetragonal lattice with constants a = 7.12, c = 4.04 ± 0.05 Å. YB_6 and YB_{12} are indexed in a cubic lattice with constant a = 4.102 and 7.506 ± 0.002 Å, respectively. It was shown that only YB_4 is stable during high-temperature treatment (up to 2750K); YB_6 and YB_{12} decompose to

Card 1/2 UDC: 546.641'271

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP6[illegible] SOURCE CODE: UR/0109/66/011/011/2098/2100

AUTHOR: Manelis, R. M.; Grishina, L. P.; Ranov, A. D.

ORG: none

TITLE: Thermionic emission of some yttrium and gadolinium borides

SOURCE: Radiotekhnika i elektronika, v. 11, no. 11, 1966, 2098-2100

TOPIC TAGS: yttrium compound, gadolinium compound, boride, thermionic emission

ABSTRACT: The thermal emission properties of YB_4, YB_6, YB_{12}, GdB_4, and GdB_6 were investigated in a dismountable continuously evacuated diode provided with a ring-protected anode. The boride samples were deposited on a tantalum strip treated with tantalum powder. The chemical and phase compositions of the compounds were rigorously controlled before and during the measurements, which were performed on at least three samples of each of the borides. The data obtained show that from the point of view of emission properties yttrium and gadolinium borides are markedly inferior to lanthanum hexaboride which, according to the authors' measurements has $j_e = 1.34$ a/cm^2 and $\phi = 2.71$ ev at 1600K, and $j_e = 7.15$ a/cm^2 and $\phi = 2.85$ ev at 1800K. Orig. art. has: 1 table.

SUB CODE: 20/ SUBM DATE: 21Feb66/ ORIG REF: 007/ OTH REF: 004/ ATD PRESS: 5105

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP7006202

studied decline with decreasing M:B ratio in the boride. Orig. art. has: 3 figures, 3 tables and 2 formulas.

SUB CODE: 20/ 07/ SUBM DATE: 18Jan66/ ORIG REF: 011/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

ACC NR: AP7006202 SOURCE CODE: UR/0363/67/003/001/0054/0060

AUTHOR: Manelis, R. M.; Meyerson, G. A.; Grishina, L. P.

ORG: none

TITLE: Thermionic emission of certain gadolinium borides

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 3, no. 1, 1967, 54-60

TOPIC TAGS: boride, gadolinium compound, thermionic emission

ABSTRACT: The thermionic emission of the single-phase compounds GdB_4 and GdB_6 and two-phase compositions $GdB_4 + Gd_2O_3$ and $GdB_6 + B$ was investigated. The effective work function ϕ_t and temperature dependence $d\phi/dT$ were determined. GdB_4 was found to have the best emissive properties ($j = 0.68$ A/cm^2, $\phi = 3.13$ eV at 1750°K). With GdB_6 on a tantalum substrate, one can record a maximum emission current of only 1.4×10^{-5} A/cm^2, $\phi = 3.41$ eV at a temperature of 1600°K. GdB_4 is more stable than GdB_6; the latter decomposes in a vacuum at high temperatures to form GdB_4 and B. The impurities Gd_2O_3 in GdB_4 and B in GdB_6 markedly decrease their emission per unit surface of the composition. In their emissive properties, the gadolinium borides studied are much inferior to lanthanum hexaboride, which at 1600°K has $j = 1.34$ A/cm^2, $\phi = 2.71$ eV, and at 1800°K $j = 7.15$ A/cm^2, $\phi = 2.85$ eV. The data show that the emissive properties in the series of compounds rare earth metal - boron of the compositions

Card 1/2 UDC: 546.662.271+537.32

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

L 26567-66 EWT(m)/EWP(j) RM

ACC NR: AP6017365 SOURCE CODE: UR/0062/65/000/008/1502/1504

AUTHOR: Grechkin, N. P.; Grishina, L. N.

ORG: Chemical Institute im. A. Ye. Arbuzov, AN SSSR (Khimicheskiy institut AN SSSR)

TITLE: Properties of ethyleneamides of glycolphosphorous acids

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1965, 1502-1504

TOPIC TAGS: organic amide, organic phosphorus compound, organic imine compound, acetic acid

ABSTRACT: The reactions of glycolphosphorous acids with organic compounds possessing a labile hydrogen atom were studied. In an attempt to open the ethyleneimine ring in the amides of certain glycolphosphorous acids with various amines, in all cases a transamination reaction: liberation of free ethyleneimine and formation of a new amide of glycolphosphorous acid - was observed, indicating extremely low strength of the nitrogen-phosphorus bond. The yields of the new amides produced in transamination are low, evidently as a result of simultaneous ammonolysis of the aliphatic bonds. When the ethyleneamides of glycolphosphorous acids are treated with acetic acid, they are deaminated, forming the ethyleneamide of acetic acid and the free ethylene glycolphosphorous acids, the latter in rather high yields (60-70%). Orig. art. has: 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 18Dec64 / ORIG REF: 004 / OTH REF: 001

Card 1/2 UDC: 542.91+661.718.1

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRECHKIN N.P.; GRISHINA, L.N.

Ethylene amides of glycolphosphorous acids. Dokl. AN SSSR 146 no.6:1333-1334 O '62. (MIRA 15:10)

1. Khimicheskiy institut im. A.Ye. Arbuzova AN SSSR. Predstavleno akademikom A.Ye.Arbuzovym.
(Phosphorous acid) (Rearrangements (Chemistry))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, L.I.

In the Scientific Council of the Faculty of Geography. Vest. Mosk. un. Ser. 5: Geog. 20 no.6:87 N-D '65.
(MIRA 19:1)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, L.I.

In the Academic Council of the Geography Faculty. Vest. Mosk. un. Ser. 5: Geog. 20 no.1:93-96 Ja-F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, L.I.

Ivan Dmitrievich Papanin's anniversary. Vest. Mosk. un-ta. Ser. 5. Geog. 20 no.1:92 Ja-F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, L.I.

In the Academic Council of the Geography Faculty. Vest. Mosk. un. Ser. 5: Geog. 19 no.2:96 Mr-Ap '64. (MIRA 17:4)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, L.I.

In the Academic Council of the Geographical Faculty. Vest. Mosk. un. Ser. 5:Geog. 18 no.5:84 S-O '63.
(MIRA 16:11)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, L.I.

In the Academic Council of the Geographical Faculty. Vest. Mosk. un. Ser. 5: Geog. 18 no.4:86 Jl-Ag'63. (MIRA 17:2)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GRISHINA, L.I.

In the academic Council of the Geographical Faculty. Vest. Mosk. un. Ser. 5: Geog. 18 no.3:77 My-Je '63. (MIRA 16:6)
(Moscow--Dissertations, Academic) (Ural Mountain region--Runoff)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

GOLOVNIN, Vasiliy Mikhaylovich, vitse-admiral [1776-1831]; BOGOLEPOV, V.P., red.; DIVIN, V.A., red.; LAVRENTSOVA, T.D., red.; GRISHINA, L.I., red.; CHERNYKH, M.P., mladshiy red.; KOSHELEVA, S.M., tekhn. red.; GOLITSYN, A.V., red. kart;

[Voyage on the sloop "Diana" from Kronstadt to Kamchatka carried out under the command of naval lieutenant Golovnin in 1807-1811] Puteshestvie na shliupe "Diana" iz Kronshtadta v Kamchatku, sovershennoe pod nachal'stvom flota leitenanta Golovnina v 1807-1811 godakh. Moskva, Gos. izd-vo geogr. lit-ry, 1961. 479 p. (MIRA 14:9)

(Golovnin, Vasilii Mikhailovich, 1776-1831)
(Voyages and travels)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900013-6

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LARIONOV, Anatoliy Konstantinovich; ANAN'YEV, Vsevolod Petrovich; GRISHINA, L.I., red.; VASIL'YEVA, O.S., red.izd-va; YEZHOVA, L.L., tekhn.red.

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ACCESSION NR: AP5012548

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University) 44,55

SUBMITTED: 24Feb64 ENCL: 00 SUB CODE: SS

NR REF SOV: 005 OTHER: 001

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