"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.N.

Heat resistance of succinic dehydrogenase in the muscles of grass and lake frogs and the change in enzyme activity during acclimatization. TSitologiia 3 no.5:595-598 S-O '61. (MIRA 14:10)

1. Laboratoriya sravnitel'noy tsitologii Instituta tsitologii AN SSSR, Leningrad.
(DEHYDROGENASE) (MUSCLE)
(TEMPERATURE--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.N.

Heat resistance of actomyosin in the steppe tortoise Testudo horsfieldi Gray and the pond tortoise Emys orbicularis (L.) as related to the problem of the adaptation of animals to life in the desert. Sbor. rab. Inst.tsit. no.6:195-198'63. (MIRA 16:8)
(ACTOMYOSINS) (HEAT--PHYSIOLOGICAL EFFECT)
(TORTOISES)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.N.; KUSAKINA, A.A.

Heat resistance of protoplasmic proteins in the representatives of various populations of Rana ridibunda Pall. Sbor.rab. Inst. tsit. no.6:158-162'63. (MIRA 16:8)
(FROGS) (HEAT--PHYSIOLOGICAL EFFECT) (MUSCLE)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

TUROVTSEVA, Zinaida Mikhaylovna; KUNIN, Lev Lazarevich; VINOGRADOVA, A.P., akademik, red.; TRAVIN, N.V., red.izd-va; ZENDEL', R.Ye., tekhn.red.

[Analysis of gases in metals] Analiz gazov v metallakh. Moskva, Izd-vo Akad.nauk SSSR, 1959. 390 p. (MIRA 13:1)
(Gases in metals) (Gases--Analysis)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

GULYAYEVA, L.I.; VINOGRADOVA, A.P.

Determination of sulfur in organic compounds by the pyrolytic tube method. Zav. lab. 29 no.10:1180 '63. (MIRA 16:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A. P., Candidate Agric Sci (diss) -- "The effect of the duration and methods of fattening on the meat productivity of poultry". Moscow, 1959. 16 pp (Moscow Vet Acad of the Min Agric USSR), 140 copies (KL, No 24, 1959, 145)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

GULYAYEVA, L.I.; VINOGRADOVA, A.P.; KHYANINA, A.P.; KARPOVSKAYA, R.R.

Determination of the trace amounts of sulfur in the products of petrochemical synthesis. Neftekhimiia 3 no.2:296-302 Mr-Ap '63. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.
(Sugar--Analysis) (Petroleum chemicals)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

KATCHENKOV, S.M.; VINOGRADOVA, A.P.

Correlation of red deposition in western Turkmenia by means of spectrum analysis. VNIGRI no.105:174-180 '57. (MIRA 11:9)
(Turkmenistan--Rocks--Analysis)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.P.

AID

The effect of weight-increasing and fat-accumulating biostimuli on the growth of young roosters. A. P. Vinogradova and A. A. Prevo. *Trudy Vsesoyuz. Nauch. Issledov. Inst. Ptitseprom.* 5, 12-18(1954); *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 4162.—Pancreatin and scrapings of the mucosa of small intestines and wt.-increasing biogenic stimulators were added to the daily ration of young roosters. Under controlled lab. conditions a 10% wt. increase was observed. Under practical production conditions it was 8%.

B. S. Levine

(1)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.P.

MD

The effect of biogenic stimuli and some mineral salts on the fattening of young fowl. M. V. Plakhotin, D. I. Rikardo, K. M. Vasil'ev, A. P. Vinogradova, and A. A. Prevo. *Trudy Moskov. Tekhnol. Inst. Myasnoi i Molochnoi Prom.* 1954, No. 3, 34–8; *Referat. Zhur. Khim., Biol. Khim.* 1955, 4171.—To the ration of leghorn roosters 1–3 months old was added 0.5–1.0 ml. protein pyrolysin, 0.03 g. LiCl, $FeSO_4$, 14–21 mg. pancreatin and simultaneously a subcutaneous implantation of this supplement was made. Wt. increase and fat accumulation were attained.

B. S. Levine

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.P.

Determination of potassium, lithium, and rubidium in waters by spectrum analysis. Trudy VNIGRI no.174:229-237 '61. (MIRA 14:12)

(Water—Analysis)
(Alkali metals—Spectra)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

PATRIK, I.A., kand. sel'skokhoz. nauk; VINOGRADOVA, A.P., kand. sel'skokhoz. nauk; YERMOLAYEVA, A.L., mladshiy nauchnyy sotrudnik

Raising meat chicken in cages. Trudy TSNIIPPa 9:46-53 '62. (MIRA 16:6)

(Poultry industry)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

POYEMNYY, F.A.; VINOGRADOVA, A.S.

Early symptoms of acute poliomyelitis. Vop.diag.i patomorf.zab. no.2:200-207 '59. (MIRA 15:8)

(POLIOMYELITIS—DIAGNOSIS)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

Cold dyeing of chrome leather. M. A. IL'INSKII and A. S. VINOGRADOVA. Russ 23,313, Oct 31, 1931. Leather is treated with a cold or lukewarm acidified soln of cotton dyes which do not belong to the basic type, but have an azo component. There is then applied to the solution or the suspension a diazo compound or a mixt. of a few diazo compds.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

29

CA

Dyeing chrome sheep skins black. A. S. Vinogradova. *Izvestiya Tsentral. Nauch.-Issledovatel. Inst. Koshevennoi Prom.* 1932, No. 2, 29.—After a no. of mixts. were tried the following formulas were accepted: (1) Wool-black AT4B 25 g. per l., orange PB 3% of the weight of AT4B, 50% com. AcOH (80%) from the weight of the dye. (2) Wool-black AT4B 20 g., cyanine sulfone AT2B 4 g., acid brown 5G 2 g. and 50% com. AcOH (80%) of the weight of the dye. Formic acid may be used instead of AcOH. The dye soln. is applied with a brush on the soaked sheep skin 2 times in succession with a 3 hrs.' drying period in between. It is finally dried for 8-10 hrs., washed with ordinary water, dried and finished. A. A. B.

A50-56A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

27

Methods for the testing of the color fastness of leathers. B. I. Zuckermann and A. S. Vinogradova. *Izvestiya Tsentral. Nauch.-Issledovatel Inst. Kozhevennoi Prom.* 1932, No. 6/7, 50–3; *Chem. Zentr.* 1933, I, 3857.—Dye finishing processes using various dyes are described. The dyed samples of leather were investigated as to color fastness to light, fastness to rubbing in both the wet and dry condition, and fastness toward cold water, alkalies, org. acids, fats and perspiration. The tests are described and data presented in tabular form. M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

20

Acid- and alkali-resisting bituminous cements. Z. N. Sukhin and A. S. Vinogradova. Apilinobrazochnaya Prom. 4, 624-7(1934); cf. Vasyunkin, C. A. 28, 3533.—The compn. and properties of the various types of "Kera-solith" are described. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

Influence of Organic Compounds on the Corrosion of Metals by Inorganic Agents. V. K. Pershke and A. S. Vinogradova (*Promishlennost Organicheskoi Khimii* (*Org. Chem. Ind.*), 1936, **2**, 419–423; *C. Abs.*, 1937, **31**, 1750).—[In Russian.] A physico-chemical interpretation of the inhibiting action of stable organic compounds and accelerating action of easily reducible organic compounds on the destruction of metals by corroding agents in the process of $PhNH_2$ production, based on the literature and some experimental data (cf. Jenckel and Bräucker, *Z. anorg. Chem.*, 1935, **221**, 249; Jimeno and Griffol, *Met. Abs.*, 1936, **3**, 276).—S. G.

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

11d

The use of the method of LeMar and Myers for the isolation of streptococcus bacteriophage. A. S. Vinogradova. *Z. Microbiol. Epidemiol. Immunitätsforsch.* (U. S. S. R.) 17, 580-3 (in German 583) (1936).—The method of LeMar and Myers (cf. *C. A.* 29, 8045[1]) is unsatisfactory for the isolation of the bacteriophage not only of streptococcus but also of paratyphus and staphylococcus. Filtrates of cultures obtained by their method contain amts. of H_2O_2 lethal for succeeding generations. Tests of the method on *B. paratyphi* Breslau, *Staph. aureus* and *Strept. hemolyticus* showed that the results obtained are due not to the bacteriophage present but to the H_2O_2.

S. A. Karjala

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A. S.

Central Inst. Epidemiology and Microbiology, (-1944-)

"Comparative Evaluation of the Methods for Obtaining of Antigrippous Serum."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 10-11, 1944

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A. S., Cand of Tech Sci -- (diss) "Study of the Grass Drying Process," Khar'kov, 1959, 19 pp (Moscow Institute of Mechanization and Electrification of Agriculture) (KL 4-60, 118)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.V.; SKOBEYEV, I.K.

Investigating Buryat A.S.S.R. fluorites for their ability to undergo ore dressing. Trudy IPI no.20:129-136 '63. (MIRA 18:2)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A. V., Candidate of Tech Sci (diss) -- "Investigation of the operating conditions of filtration fabrics as applied to the filtration of cyanide pulps". Irkutsk, 1959. 22 pp (Min Higher Educ USSR, Irkutsk Mining and Metallurgical Inst, Chair of the Metallurgy of Noble Metals), 160 copies (KL, No 20, 1959, 112)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

Ca

Rapid determination of sulfate ion. A. V. Vinogradova. *Zavodskaya Lab.* 8, 1[illegible] 3(1939).—The Roth method (*C. A.* 33, 1074) was applied to detn. of S in pyrites cinders with substitution of dimethyl-*p*-phenylenediamine for *p,p'*-diaminodiphenylamine as indicator. C. R.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.Yu., inzh.

Roofs. Opyt zarub. stroi. no.8:31-60 '63. (MIRA 16:9)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.Yu., inzh.

Transportation in the textile industry. Opyt stroi. no. 33: 47-62 '61.

Problems in lighting the production plant of textile mills. Ibid.:63-69 (MIRA 16:8)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.Yu., inzh.

Lighting of enterprises of the machinery industry. Opyt zarub. stroi. no.4:69-89 '62. (MIRA 16:7)

(Machinery industry)
(Factories—Lighting)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, A.Yu., inzh.

Noise prevention in enterprises of the machinery industry.
Opyt zarub. stroi. no.4:89-106 '62. (MIRA 16:7)

(Machinery industry)
(Acoustical engineering)

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VINOGRADOVA, B.

Il'ich was here. Na stroi.Pos. no.4:2 of cover Ap '61.
(MIRA 14:6)

(Oktyabrskii—Construction industry)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

PROCESSES AND PROPERTIES INDEX

BC

A-1

[illegible] in [illegible]. C. G. Vinogradova (Comp). [illegible] U.S.S.R., 1948, [illegible] 50—59.—The life [illegible] (dry [illegible] in seeds of different legumous plants (alfalfa, vetch, pea, [illegible]) from various parts of the U.S.S.R. varied from [illegible] to 9:1 [illegible] per 100 g. The kinds of vetch, lupin, and clover were much richer in Mo than were the pisum, seeds, or soil. R. H. H.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

USHAKOVA, M.T.; YEFIMOV, A.Z.; KOZLOVA, Ye.D.; VINOGRADOVA, D.A.

Studying the biological activity of different vitamin B_{12} preparations. Vit. res. i ikh isp. no.5:157-163 '61. (MIRA 15:1)

1. Laboratoriya biologicheskikh ispytaniy i novykh form vitaminnykh preparatov Vsesoyuznogo nauchno-issledovatel'skogo vitaminnogo instituta, Moskva.

(CYANOCOBALAMINE)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

SUKHANOV, A.F. (Kemerovo, Initsiativnaya ul., 10-a, kv.4);
VINOGRADOVA, D.V. (Kemerovo, ul. Ushakova, 5, kv.13)

Histochemical characteristics of postembryonal histogenesis in the heart of the white rat. Arkh. anat. gist. i embr. 45 no.11:62-65 N '63. (MIRA 17:8)

1. Kafedra gistologii i embriologii (zav. - dotsent A.F. Sukhanov) Kemerovskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

SOV/24-58-9-4/31

AUTHORS: Al'tman, M.B., Vinogradova, D.V., Slotin, V.I. and Eskin, G.I.

TITLE: The Effect of Elastic Ultrasonic-frequency Vibrations on the Processes of De-gassing Aluminium Alloys (O vozdeystvii uprugikh kolebaniy ul'trazvukovoy chastoty na protsess degazatsii alyuminiyevykh splavov)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, nr 9, pp 25 - 30 (USSR)

ABSTRACT: When elastic vibrations of ultrasonic frequency are induced in a molten metal, the resulting excitation phenomena leads to breaks in the continuity of the liquid phase and to the formation of voids which tend to be filled with the gas dissolved in the melt. Thus, the elastic vibrations of sonic and particularly ultrasonic frequency promote the nucleation of gas bubbles, their subsequent growth and coalescence into bubbles large enough to rise up spontaneously to the surface of the liquid phase. The present paper describes the results of experiments in which this effect of ultrasonic vibrations was utilised for removing hydrogen from an aluminium alloy (AL20) containing 2% Cu, 0.8% Mg, 2.5% Si, 1% Ni, 1% Fe and 0.1% Ti. A 10 kW self-exciting

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SOV/24-58-9-4/31

The Effect of Elastic Ultrasonic-frequency Vibrations on the Processes of De-gassing Aluminium Alloys

generator was used as the source of the high-frequency electromagnetic (20 kc/s) vibrations. These were converted into mechanical vibrations by means of a magnetostrictive converter which is described in detail and shown schematically in Figure 1. Finding a suitable material for the probe (the part transmitting the mechanical vibrations to the melt) presented the main difficulty in the construction of the converter. The cavitation effects in the liquid surrounding the probe resulted in sudden changes of the pressure causing micro-explosions which in a very short time led to a failure of the probe due to erosion. Fused quartz, steel, steel with copper and a titanium alloy end plates and a titanium alloy VT1 were tried. The VT1 alloy was found to be most durable, although this alloy was also eroded to some extent, as shown by the fact that the Ti content of the melt subjected to ultrasonic vibrations for 23 min increased from 0.1 to 0.3%. The degree of de-gassing was determined qualitatively by watching the number and size of the gas bubbles given off in the moment of its solidification by a small sample of the molten metal ladled from the melt with an iron

Card2/3

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SOV/24-58-9-4/31

The Effect of Elastic Ultrasonic-frequency Vibrations on the Processes of De-gassing Aluminium Alloys

spoon and placed under an evacuated glass bell (residual pressure - approx. 0.5 mm Hg). In addition the macro-structure of the solidified samples was examined and the effect of the ultrasonic vibrations treatment of various durations on the gas porosity of the investigated alloy is shown in Figures 2 - 4. Increasing the energy of the ultrasonic vibrations did not affect the results of the experiments. With the average energy output of 1 kW, 5 min treatment of the melt at 720-730 °C was sufficient to obtain an alloy free from gas porosity. There are 4 figures, 1 table and 10 references, 2 of which are Soviet, 7 German and 1 English.

SUBMITTED: May 15, 1958

Card 3/3

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10

Synthesis of phenylalanine from benzylmalonic and benzylcyanoacetic esters through the phenylhydrazone of phenylpyruvic acid. II. V. V. Feofilaktov and E. Vinogradova. *Compt. rend. acad. sci. U. R. S. S.* 24, 758-60 (1939) (in English).—Expts. were carried out with a view to simplifying the method of the practical prepn. of the phenylhydrazones and the alkylpyruvic acids, starting from alkylmalonic and alkylcyanoacetic esters. Accordingly, the following scheme is recommended for the synthesis:

$$RCH(CO_2Et)_2 \rightarrow RC(:NNHPh)CO_2H \rightarrow RCH(NH_2)CO_2H$$

Thus through the coupling of PhN:NOK with benzylmalonic ester the phenylhydrazone of phenylpyruvic acid was obtained with a yield of about 60% of the theoretical amt.:

$$PhCH_2CH(CO_2Et)_2 \rightarrow [PhCH_2C(N:NPh)(CO_2Et)_2] \rightarrow PhCH_2C(:NNHPh)CO_2H$$

Benzylmalonic ester, used as the initial product, had the following properties: b. p. 162° 19.5 mm.; n_D^{20} = 1.4871; d_4^{20} = 1.0763; MR = 66.85 (calculated 66.56). Similarly, through the coupling of K diazotate with benzylcyanoacetic ester the same phenylhydrazone of phenylpyruvic acid was obtained, the yield being 30% of the theoretical amt. 3 references. A. H. Krappe

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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A-3

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

B C

Synthesis of phenylhydrazine from benzylmalonic and benzylcyanoacetic esters through the phenylhydrazone of phenylpyruvic acid. V. Feofilaktov and E. V[illegible] (Gorkii pedag. Acad. Sci. U.R.S.S., [illegible]) [illegible] $CH_2Ph\cdot CH(CO_2Et)_2$ and PhN_2Cl [illegible] in benzylmalonate, [illegible] by an EtOH-alkali into $NHPh\cdot NC(CH_2Ph)\cdot CO_2H$ (60%), also obtained (30%) similarly from Et benzylcyanoacetate. A. T. P.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, E.
V.V. FEOFILAKTOV, ZhOKh, 10, 260-2, 1940

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, E.
V.V. FEOFILAKTOV, ZhOKh, 10, 255-7, 1940

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

PROCESSES AND PROPERTIES INDEX

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ca

Determination of bromine number in hydrocarbons with bromine solutions in chloroform according to Mac-Illiney. G. Gal'pern and E. Vinogradova. *Neftyanoe Khoz.* 1936, No. 1, 59-63.—Br reacts with $CHCl_3$ according to $5Br_2 + 2CHCl_3 = HBr_3 + HBr_3 + 2CBr_4Cl_2$, thus giving a soln. almost deprived of free Br. Simple olefins and cyclenes consume almost theoretical amts. of Br from "stabilized" $CHCl_3$ solns. Bromination is accompanied by the sepn. of HBr which is not a reaction product. Gasolines and $C_6H_5CH_3$ which are free from unsatd. compds. react noticeably with a $CHCl_3$ soln. of Br. The McIlhiney (*J. Am. Chem. Soc.* 1894, 275; 1899, 1084) method is not suitable for the detn. of unsatd. compds. in petroleum products. Fifteen references.

A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

a-4

BC

Pathogenesis of pernicious anaemia. E. A. VINOGRADOVA (J. Méd. Ukrain., 1936, 8, 1131—1138). —Chronic purulent angiocholitis preceded or appeared together with pernicious anaemia in a no. of cases described. R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, E. I.

5.3400,5.3500,5.3610

77077
SOV/62-59-12-21/43

AUTHORS: Shemyakin, M. M., Ravdel', G. A., Chaman, E. S., Shvetsov, Yu. B., Vinogradova, E. I., Vdovina, R. G., Yefimolayev, K. M., ~~[illegible]~~

TITLE: Studies in the Field of Sarcomycine and Its Analogs. Communication 4. Study of Synthetic Routes to Sarcomycine and Its Analogs

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 12, pp 2177-2187 (USSR)

ABSTRACT: 2-Methylcyclopentan-3-one-1,1-dicarboxylic acid (III) was used for the preparation of (Sarcomycine) 2-methylene-cyclopentanone-3-carboxylic acid (I). (III) was assumed to be converted into (V) by bromination. It seemed possible to synthesize (I) from (V) by removal of HBr and by decarboxylation. Diacid (V) could not be obtained because elimination of HBr from (IV) and simultaneous decarboxylation formed (VI) with an endocyclic double bond.

Card 1/10

ASSOCIATION: Institute of Biological and Medical Chemistry, Academy of Medical Sciences (Institut biologicheskiy i meditsinskoy khimii Akademii meditsinskikh nauk)

SUBMITTED: April 12, 1958; Additions made, December 28, 1958

Card 10/10

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5.3100,5.3600,5.3610

77078
SOV/62-59-12-22/33

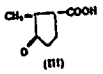
VINOGRADOVA, E. I.

AUTHORS: Shemyakin, M. M., Ravdel', G. A. Chaman, E. S., Shvetsov, Yu. B., Vinogradova, E. I.

TITLE: Investigation in the Field of Sarcomycine and Its Analogs. Communication 5. Synthesis of Racemic Sarcomycine

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 12, pp 2187-2194 (USSR)

ABSTRACT: Racemic sarcomycine (III) was synthesized in the form of its semicarbazone (XVIII).



(III)

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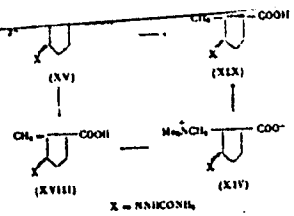

(XV) (XIX) (XVIII) (XIV)

X = NNHCONH$_2$

The ethyl ester of 2-dimethylaminomethylcyclopentanone-3-carboxylic acid (XI) was used as starting material for the preparation of (III). Racemic sarcomycine in the form of its semicarbazone (XVII) can be obtained, in 39% yield, from the methiodide of acid (XV) or from betaine (XIV) together with the semicarbazone of 2-methylcyclopenten-1-one-3-carboxylic acid (XIX). For

Card 2/4

this purpose (XV) or (XIV) is heated on a water bath for 4 minutes with 2 moles (for betaine 1 mole) of 1N NaOH. The solution was cooled to 0-2°, 10% HCl was added, and after 30 minutes the precipitate was removed by filtration and washed with cold water. The mixture of (XVIII) and (XIX) was obtained in 39% yield. The compound turns black on heating, but does not melt. Found: C 48.87%; H 6.02%. $C_8H_{11}O_3N_3$. Calculated: 48.75%; H 5.63%. From the above mixture, the semicarbazone of racemic sarcomycine (XVIII) was isolated by crystallization, in 50-55% yield. There are 8 references, 3 Soviet, 1 Japanese, 1 U.K., 3 U.S. The 4 U.S. and U.K. references are: Chem. and Industr. 1957, 1320. G. Buchi, N. G. Yang and Others, Chem. and Industr. 1953, 1063; J. Meinwald, S. L. Emerman and others., J. Amer. Chem. Soc. 77, 4401 (1955); E. E. Van Tamelen, S. R. Baen, J. Amer. Chem. Soc. 77, 4683 (1955).

Card 3/4

ASSOCIATION: Institute of Biological and Medical Chemistry, Academy of Medical Sciences (Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk)

SUBMITTED: April 12, 1958; Additions made, December 23, 1958

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

1/3

Chemistry of chloromycetin (levomycetin). II. Study of the paths of synthesis and synthesis of optically active analogs of chloromycetin. M. M. Shemyakin, E. M. Bamdas, E. I. Vinogradova, M. G. Karapetyan, M. N. Kolosov, A. S. Khokhlov, Yu. B. Shvetsov, and L. A. Shchukina (Inst. Biol. and Med. Chem., Acad. Med. Sci. U.S.S.R., Moscow). *Zhur. Obshchei Khim.* 23, 1854-67 (1953); cf. *Doklady Akad. Nauk S.S.S.R.* 79, 601(1951); C.A. 48, 640c.—Two general paths of synthesis of optically active analogs of chloromycetin of type *p*-$XC_6H_4CH(OH)$-$CH(NHCOCHCl_2)CH_2OH$ with various groups X are described; both methods start with substances of known spatial structure which is unchanged during the synthesis. It was shown that the method of Long and Troutman (*C.A.* 44, 568i) in a number of instances can yield analogs of chloromycetin that belong to the *threo* series. Benzoylation of D- (I), L- (II), and DL-forms (III) of *threo-1-(p-nitrophenyl)-2-amino-1,3-propanediol* with BzCl in 0.5*N* KOH and Et_2O gave 70-5% yields of the *N-Bz deriv.* of: I, m. 171-2°, $[\alpha]^{18}_D$ −120.5° (MeOH); II, m. 171-2°, $[\alpha]^{18}_D$ 121.6°; III, m. 162-3°. Hydrogenation of these in EtOH over Raney Ni at 75-80° and 40-50 atm. H initially gave 91-5% corresponding *p*-amino analogs of the *N*-Bz derivs. of: I, m. 170-1°, $[\alpha]^{18}_D$ −100.5°; II (IV), m. 170-1°, $[\alpha]^{18}_D$ 99.5°; III, m. 151-2°. IV (6 g.) in 60 ml. 5% H_2SO_4 was diazotized with 20% $NaNO_2$ at 0-5° (excess HNO_2 being destroyed by urea), the soln. treated with 60 ml. EtOH and 6 ml. concd. H_2SO_4 and followed at 0-5° by 0.75 g. Cu bronze; after the reaction subsided, the mixt. was heated to 50-60° until the reaction was complete (0.5 hr.) and the filtrate was adjusted to pH 5.5-6.0 with 20% NaOH; EtOH was removed *in vacuo*, the residue extd. with EtOAc, the ext. washed with dil. NaOH and H_2O, dried, clarified with C concd., and cooled yielding 55% L-*threo*-1-[illegible]-*amino-1,3-propanediol*, m. 164-6°, [illegible] the diazo deriv. with H_3PO_2 [illegible] above but which required more extensive [illegible] diol warmed with Ac_2O-pyridine gave the [illegible] m. 140-3° (from 50% EtOH). When IV was diazotized in 17% HCl at 0-5° and treated at 0° with CuCl, there was obtained 75% L-*threo*-1-(*p*-chlorophenyl)-2-acetylamino-1,3-*propanediol*, m. 171-2°, $[\alpha]^{18}_D$ 102.4°; similarly the *threo* compd. (m. 171-2°, $[\alpha]^{18}_D$ −102.8°) was obtained from DL-*threo analog* of IV. In a few instances the [illegible] derivs. were obtained which m. 156°, but showed the same optical activity as the specimens described above and gave the same aminodiols on hydrolysis of the Bz groups. Diazotization in dil. H_2SO_4 and treatment with KI gave the *p*-*iodo analogs*: D-*threo*, m. 178-9°, $[\alpha]^{18}_D$ −87.2°; L-*threo*, m. 176-9°, $[\alpha]^{18}_D$ 86.2°; DL-*threo*, m. 173.5-4.5°. If the diazotized L-*threo* compd. in dil. H_2SO_4 was neutralized with $NaHCO_3$ to pH 6 and heated to 70-90°, there was obtained 49% L-*threo p-HO analog*, m. 190-8° (decompn.), $[\alpha]^{18}_D$ 103°. Treatment of the diazotized soln., after adjustment to pH 5.5-6, with $Cu_2(CN)_2$ soln. under MePh gave the corresponding *p-cyano analog*: D-*threo*, m. 139-40°, $[\alpha]^{18}_D$ −130.4°; L-*threo*, m. 139-40°, $[\alpha]^{18}_D$ 129.8°. IV (2.8 g.) in 14 ml. 10% H_2SO_4 was diazotized at 0-5° with 20% $NaNO_2$, neutralized with $CaCO_3$ to Congo red, filtered, and the filtrate treated with 1.5 g. $Na_2Co(NO_2)_6$ and cooled to 3-5°; after 15 min. the soln. was decanted from the ppt. and this was treated with cooling with 0.4 g. Cu_2O suspended in 1 [illegible] $NaNO_2$ and 1 g. $CuSO_4 \cdot 5H_2O$ in 6 ml. H_2O; after 10-12 hrs. the mixt. was extd. with EtOAc and the washed and dried ext. gave after evapn. and extn. with H_2O, the *p*-[illegible] *analog* of IV: this was identical with II. Treatment of [illegible]

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2/3 M. M. SHEMYAKIN, et al

diazotized and neutralized (pH 6.5) soln. of IV with As_2O_3 and $CuSO_4$ similarly gave *p-arsono analog* of IV: L-*threo*, m. 145–8° (decomp.), $[\alpha]^{18}_D$ 88.5°. Treatment of diazotized IV with 2-$C_{10}H_7OH$ in cold NaOH-Na_2CO_3 gave the red *1-(2-hydroxynaphthyl)azo deriv.*: L-*threo*, decomp. 224–8° (from MeOH), $[\alpha]^{18}_D$ 180°. Hydrolysis of the corresponding benzoyl deriv. by heating 4 hrs. with 20% HCl gave 56% D-*threo-1-(p-chlorophenyl)-2-amino-1,3-propanediol* (V), m. 145–7°, $[\alpha]^{18}_D$ −33.6°; L-*threo analog*, m. 145–7°, $[\alpha]^{18}_D$ 35.0°; DL-*threo analog*, m. 122–3°, was obtained by mixing the 2 forms. The *p*-iodo deriv. were hydrolyzed by refluxing with 10% HCl 10 hrs.: D-*threo-1-(p-iodophenyl)-2-amino-1,3-propanediol* (VI), m. 103–4°; similarly was obtained the L-*threo analog*, m. 103–4°, $[\alpha]^{18}_D$ 20.0°; DL-*threo analog*, m. 180–1°. The cyano deriv. were hydrolyzed 20 hrs. with 20% HCl yielding *p-carboxy analogs*: D-*threo-1-(p-carboxyphenyl)-2-amino-1,3-propanediol* (VII), decomp. 348–9°, $[\alpha]^{18}_D$ −32.4°; L-*threo analog*, decomp. 348–9°, $[\alpha]^{18}_D$ 33.0°. These are inner salts and are insol. in org. solvents, but are sol. in alk. solns. or in acids; they are not dichloroacetylated with Cl_2CHCO_2Me, but are acylated by the acyl chloride in presence of K_2CO_3. Heating 2.9 g. Cl_2CHCO_2Me with 2.7 g. D-*threo*-V to 90° 5 min., rubbing the mixt. 3 times with 5-ml. portions of heptane, dissolving the residue in 2-3 ml. $(CH_2Cl)_2$, adding 3 ml. heptane and allowing the mixt. to stand overnight gave 47% D-*threo-2-(dichloroacetamido) analog* of V, m. 92–3°, $[\alpha]^{18}_D$ 8.2°; similarly was obtained the L-*threo analog*, m. 92–3°, $[\alpha]^{18}_D$ −9°; mixing these gave the DL-*threo analog*, m. 119–20°. Similarly was obtained *2-(dichloroacetamido) analog* of VI: D-*threo form*, m. 103–4°, $[\alpha]^{18}_D$ 9.7°; L-*threo form* (VIII), m. 103–4°, $[\alpha]^{18}_D$ −10.8°; DL-*threo form* was obtained by mixing the D- and L-forms, m. 122–3°. VII treated with $Cl_2CHCOCl$ in the presence of aq. K_2CO_3 and Et_2O gave 71% *2-(dichloroacetamido) analog*, m. 103–4°, $[\alpha]^{18}_D$ 13.0°; L-*threo form*, m. 103–4°, $[\alpha]^{18}_D$ −13.9°; mixing these gave the DL-*form*, m. 1[illegible]. Hydrogenation of D- or L-*threo* forms of II in EtOH over Raney Ni at 75–95° and 40–50 atm. H gave [illegible] *amino analogs*: D-*threo form*, m. 135–6°, $[\alpha]^{18}_D$ [illegible]; L-*threo form*, m. 135–6°, $[\alpha]^{18}_D$ 27.6°. Treatment of [illegible] with Cl_2CHCO_2Me in abs. MeOH 24 hrs. at 18–25° gave *1-(p-aminophenyl)-2-(dichloroacetylamido)-1,3-propanediol*: D-*threo form*, isolated as *HCl salt* (from MeOH-Et_2O); L-*threo form*, $[\alpha]^{18}_D$ −8.5°; these do not melt, but slowly decomp. on heating. Hydrogenation over Raney Ni at atm. pressure of D- and L-*threo-1-(p-nitrophenyl)-2-(dichloroacetamido)-1,3-propanediols* and treatment of the products with alc. HCl gave 80–90% *HCl salts* of the *p-amino analogs*, with 23–7% original nitro deriv. being recovered: Diazotization of D- or L-*threo-1-(p-aminophenyl)-2-(dichloroacetamido)-1,3-propanediols* (IX) in 6% HCl with aq. $NaNO_2$ gave ppts. of the corresponding *diazonium chlorides*: D-*threo*, 44%, $[\alpha]^{18}_D$ 0.5°; L-*threo*, $[\alpha]^{18}_D$ −0.8°; these decomp. on heating, but do not melt. Treatment of the diazotized soln. with Cu_2Cl_2 gave 45% VIII (from $(ClCH_2)_2$ and heptane), identical with the previous prepn. If the diazotized soln. in dil. H_2SO_4 is heated to 70–90° after adjustment to pH 5.5, there is formed *p-HO analog*: D-*threo form*, decomp. 160–1.0°, $[\alpha]^{18}_D$ −8.1°; L-*threo form*, decomp. 160–1.0, $[\alpha]^{18}_D$ 7.80°; mixing these gave the DL-*form*, m. 138–40°. Treatment of the diazotized soln. with $(CuCN)_2$ as described above gave the *p-cyano* [illegible] *form*, m. 125.5–6.5°, $[\alpha]^{18}_D$ −17.0°; mixing these gave the

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3/3 A.M. Shchukin, etal

DL-form, m. 132.5-3.5°. Hydrolysis with HCl gave the *p-carboxy deriv.* Treatment of the diazotized and neutralized soln. with Ac_2O and $CuSO_4$ similarly gave the *p-arsonophenyl deriv.* in 16% yield: D-*threo form*, $[\alpha]_D^{23}$ 3.6°; L-*threo form*, $[\alpha]_D^{23}$ −7.5°; neither shows a definite decompn. temp. IX.HCl (D- or L-*threo* forms) diazotized as usual in dil. HCl and treated with *o*-$O_2NC_6H_4OH$ in the presence of NaOH and Na_2CO_3 at 15–20° 2 hrs. gave on acidification the *3-nitro-4-hydroxyphenylazo deriv.*, purified by pptn. from $(CH_2Cl)_2$ with heptane, followed by crystn. from 30% AcOH: D-*threo form*, m. 157-9°, $[\alpha]_D^{23}$ 21.3°; L-*threo form*, m. 157-9°, $[\alpha]_D^{23}$ −22°; mixing these gave the DL-*form*, m. 153-5°. IX HCl (D- or L-*threo* forms) (2.5 g.) in 15 ml. MeOH was treated with 0.8 g. AcONa in 10 ml. MeOH and filtered; at 5° the soln. was treated with 0.95 g. *p*-$ONC_6H_4NO_2$ in 15 ml. AcOH; after 10–12 hrs. there was obtained 56% *p-nitrophenylazo deriv.*, D-*form*, m. 173-4°, $[\alpha]_D^{23}$ 64.9°; mixing these gave the DL-*threo form*, m. 171-2°. A small amt. of *p,p'-dinitroazoxybenzene*, m. 191-2° was isolated from the reaction mixt. Condensation of IX with *p*-$O_2NC_6H_4CHO$ in the presence of KOAc in MeOH gave the *p-nitrobenzylidene deriv.*: D-*threo form*, m. 154-6° (decompn.; from EtOH), $[\alpha]_D^{23}$ −18.8°; L-*threo form*, decomp. 165-7°, $[\alpha]_D^{23}$ 19.7°; mixing these gave the DL-*form*, m. 155-7° (decompn.).

G. M. Kondapoff

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, E. I.

Chemistry of chloromycetin (levomycetin). V. Racemization of L-*threo*-1-(*p*-nitrophenyl)-2-dichloroacetamido-1,3-propanediol with subsequent transformation of the racemate into chloromycetin (levomycetin). M. M. Shemyakin, E. M. Bamdas, E. I. Vinogradova, D. P. Vitkovskii, M. A. Gubernov, V. N. Ostrovskii, A. S. Khokhlov, Yu. B. Shvetsov, and L. A. Shchukina. *J. Gen. Chem. U.S.S.R.* 24, 2045-53(1954)(Engl. translation).—See *C.A.* 49, 14074*a*.

B. M. R.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, E. K.

4

2892 A study of the process of crystallization of silicate glasses by annealing. M. V. [illegible] and E. K. [illegible] Glass & Ceramics Moscow 11 No. 5

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA E.K.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

Vinogradova, E. K.

USSR

Study of crystallization of silicate glasses by means of tempering. M. V. Okrotin, R. S. Levina, and E. K. Vinogradova. *Stekla i Keram.* 11, No. 6, 8-11(1954). A great of 48 lab.-made glasses were investigated. Seventeen of the glasses contained SiO_2 70-75, Al_2O_3 up to 5, CaO 6-8, MgO up to 5, and Na_2O 15%. The remaining 31 glasses contained [illegible] CaO 6-10, and [illegible] [illegible] crystals. Two groups were [illegible] of crystals corresponded [illegible] [illegible] over glass surface [illegible] like accumulations of [illegible] to the group being glasses [illegible] 6-9% CaO and 78% SiO_2, 10% CaO and 71% SiO_2, 6-8% [illegible] and [illegible], 5% MgO and Al_2O_3, and 19% CaO and [illegible] MgO and Na_2O [illegible] very weak crystallization [illegible] no of crystal centers with predominance of small needle-like crystals. Lavenite ($Na_2O \cdot 3CaO \cdot 6SiO_2$) was the chief compd. in practically all glasses except those [illegible] over 74% SiO_2 and more than 5% MgO and Al_2O_3. Refraction of the mineral was somewhat higher than that of [illegible] Crystals of α- and β-wollastonite were also widely distributed. In glasses contg. over 71% SiO_2, cristobalite and tridymite crystals were widely distributed. Crystals of pseudowollastonite were [illegible] contg. 80% [illegible] [illegible]

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, E. K.

USSR/Miscellaneous Glass Industry

Card : 1/1

Authors : Okhotin, M. V., Dr. of Chem. Sc. Prof; Levina, R. S. and Vinogradova, E. K.

Title : Crystallization of silicate glass investigated by the hardening method

Periodical : Stek. i Ker., No. 6, 8 - 11, June 1954

Abstract : The process of crystallization of silicate glass was investigated by the hardening method. The linear rate of crystallization of each tested sample was determined at temperatures ranging from 800° and higher. In the temperature range approaching the maximum limit of crystallization the determinations were made every 25°. The test arrangement and results obtained are described. Table, drawings, graphs.

Institution : ....

Submitted : ....

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VINOGRADOVA, E.K.

4

15250* (Study of Process of Crystallization of Silicate Glasses by Quenching.) Izuchenie protsessa kristallizatsii silikatnykh stekol metodom zakalki. M. V. Okhotin, R. S. Levina, and E. K. Vinogradova. *Steklo i Keramika*, v. 11, no. 6, June 1954, p. 8-11.

Chemical composition; speeds of crystallization; microstructures. Table, micrographs, graphs.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

Vinogradova, L.N.

1-4E4γ

Use of diethyl dithiophosphoric acid in determination of traces of copper, cadmium lead and bismuth in ores and in polarographic determination [illegible]

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

Photomagnetic behavior of zalium

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VINOGRADOVA, E. N.

Methods of determining the hydrogen-ion concentration Moskva Izd-vo Moskovskogo univ. 1950. 119 p. (51-15292)

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10

CA

4,1 - Anthraquinonylene - 1,2 - naphthylenacridone. N. N. Vorozhtsov and R. K. Vinogradova. Russ. 40,314 March 31, 1956. 1,2-Naphthylaminoanthraquinone-2-carboxylic acid, dissolved or suspended in an org. solvent which is not miscible with water, is treated with phosgene, PCl5 or thionyl chloride

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

3-I-8

Electrolytic separation of iodine from dilute aqueous iodide solutions, using a porous carbon electrode. K. E. N. [illegible] (J. Appl. Chem. [illegible] 1940, 442). —Electrolysis (Pt cathode, porous carbon anode) of natural I-containing N_2O results in liberation and adsorption of most of the I, % [illegible] depending on rate of flow of electrolyte. The method is more economical than are other known [illegible] R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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Liberation of iodine from dilute iodide solutions by electrolysis on a nonactivable porous carbon electrode. M. K. N. Yanogalova *J. Appl. Chem. Russ.*, 1940, 13, 300—308).—A solution containing per l. 180 g. of NaCl, 0·08 g. of I', and small amounts of other ions is filtered through an electrode made of active C, towards an Fe cathode. The voltage applied is 8 v. at the beginning, and 2 v. in the steady state of the electrolysis; if it is too high, IO'_3 is formed, and at <1·5 v. I' is not completely discharged. I_2 formed is adsorbed by the C. Through 10 sq. cm. of the electrode surface 800 c.c. per hr. can be passed without losing >1% of I. The method is recommended for recovery of I from oil well H_2O. J. J. B.

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CH

Electrolytic recovery of iodine from solutions of halides and from natural brines. E. N. Vinogradova. *J. Applied Chem.* (U. S. S. R.) 12, 1115-25 (in French, 1125) (1939).—A glass cylinder, provided with openings at the bottom and near the top was used as cell. A carbon anode was placed near the bottom and an Fe cathode at the top. A compact layer of activated C (10-20 cm.) was placed on the anode to adsorb liberated I. The water contg. I was allowed to pass through the bottom opening of the cell through the C layer and out through the top opening. The optimum conditions for the electrolysis of the halide solns. were: potential 2.2 v. at 10 milliamp., c. d. 5 milliamp./sq. cm.; circulation 1 l. of soln. per hr. A very compact layer of activated C promoted efficiency of the cell. The activated C can be used again after reduction of the adsorbed I and its sepn. (the method to be published) as sol. iodide.

A. A. Podgorny

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROPERTIES INDEX

BC

B-1-9

Electrolytic separation of iodine from halide solutions and heavy-hydr. water. E. N. Vino-GRADOVA (J. Appl. Chem. Russ., 1939, 12, 1115—1125).—The solution is passed through a column containing an Fe cathode and a graphite anode surrounded by active C, with a current of 0·1 amp./3·2—4·6 v. Traces of I present are liberated at the anode and adsorbed by the C. After saturation of the C it is treated with a reducing agent, to yield a conc. solution of iodide. The extracted C may be used repeatedly. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

4

Separation of iodine by electrolysis of weak iodide solutions with a monolithic, porous carbon electrode. II. E. N. Vinogradova. *J. Applied Chem.* (U. S. S. R.) 13, 3(in French, 303) (1940); cf. *C. A.* 34, 3508[illegible]. The electrolysis and absorption of I proceeded in the presence of monolithic porous carbon electrode just as well as with the Acheson carbon electrode filled with an active carbon. The porous electrode does not require so high a current. Data are tabulated. A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

PROCESSES AND PROPERTIES INDEX

Conductometric method for determining weak solutions of alkaloids and morphine in commercial opium. E. N. Vinogradova. *J. Applied Chem.* (U. S. S. R.) 6, 150-5 (1933).—The conductometric detns. were carried out in solns. of about 0.000,001 *N* concns. permitting the detn. of 1 mg. of the alkaloid. The titration is carried out with alkali hydroxide, the concn. of which exceeds that of the alkaloid soln. 5-10 times. The alkaloid is present in a soln. of alc. (2) and water (3). In detg. the morphine content of opium the total acidity is titrated with BaO and by titrating back with 0.1 *N* HCl the total of alkaloids present in the opium is detd. Thereafter a new portion of the prepn. is titrated with $Ba(OH)_2$ in a thermostat at about 60° and the contents of morphine are detd. according to the phenol group detd. by titrating back. Characteristic curves obtained in the above analytical procedure are given. A. A. B.

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10

Determination of the degree of unsaturation of hydrocarbons by the Kaufmann method. G. D. Gal'perin and R. V. Klyuzhadova. *Khim. Tverdogo Topliva* 8, 381-9 (1937). The Kaufmann method was investigated, for individual olefins and cyclics. The use of pure MeOH is essential, because the stability of titer of the Kaufmann soln. is about 10 times higher than in $CHCl_3$ soln. of Br. Simple unsatd. hydrocarbons reacted with the Kaufmann soln. completely, while terpenes gave an increased and sterols a decreased amt. of used Br. The optimal conditions are a 60% excess over theoretical of Br, time for the reaction with hydrocarbons 10-15 min., and wt. of sample about 0.0005 mol. of the unsatd. hydrocarbon. Data are tabulated. Fourteen references. A. A. P.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

1ST AND 2ND GROUPS

PROCESSES AND PROPERTIES INDEX

A-3

[redacted] U. Gen. Chem. [redacted] 1949—1950).—Saturated aq. KCN is added to saturated aq. [redacted] at 0°, followed by $(CH_3)_2O$, and the cooled mixture is shaken [redacted] and then left for 18 hr., when it is made neutral with H_2SO_4, and filtered from the sulphates crystallizing out. The filtrate is extracted with Et_2O, the extract is evaporated, and the residue is fractionally distilled, giving $OH[CH_2]_2CN$ in [redacted] yield. This, when distilled from Zn dust (prepared by [redacted] with Zn dust from aq. $ZnCl_2$) affords CH_2CH-CN in [redacted] yield. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

PROCESSES AND PROPERTIES INDEX

B-II-1

Bc

DIAGNOSTIC DETERMINATION OF DIENE HYDROCARBONS. II. DETERMINATION OF INDIVIDUAL DIENE HYDROCARBONS. IIII. DETERMINATION OF DIENE HYDROCARBONS IN PYROBENZINES. Ap. D. Tsrentiev, N. V. Vinogradova, and G. D. Galpern (Sci. Rep. Moscow State Univ., 1936, No. 6, 243-247, 249-255).

II. $(CH_2 : CHe)_2$ or α-cyclohexadiene, in presence of C_6H_{14}, C_7H_{16}, C_6H_6, cyclo-hexane and -hexene are determined by the method of Tsrentiev et al. (A., 1936, 744).

III. Conjugated dienes in cracking benzines are determined by the above method.

R.T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, E. V.

"Syntheses with the Use of Acrylonitrile. I. A laboratory Method of preparation and the Properties of Acrylonitrile." Terentiev, A. P. and Vinogradova, E. V. (p. 1044)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1944, Volume 14, no. 11-12.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

a-3

Diazotizate method for the determination of diene hydrocarbons. A. P. TIMOFEEV, E. V. VINOGRADOVA, and G. D. GALPERN (Doklady Akad. Nauk U.R.S.S., 1955, 4, 267—272).—Dissolved p-$NO_2C_6H_4NH_2$ (I) reacts quantitatively with $\Delta^{1:3}$-diene, but not at all with aromatic hydrocarbons or compounds with conjugated hetero-atoms (cf. lit.); one mol. of (I) reacts with one mol. of diene. Excess of (I) is used, and the excess determined with β-$C_{10}H_7$-OH. The method is suitable for the determination of dienes in mixtures of hydrocarbons of various types. H. G. M.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

Ca

10

Syntheses with acrylonitrile. I. A laboratory method of preparation and the properties of acrylonitrile. A. P. Terent'ev and R. V. Vinogradova (Moscow State Univ.). *J. Gen. Chem.* (U.S.S.R.) 14, 1041-6(1944); cf. *C.A.* 37, 3995[5].—Acrylonitrile (I) is prepd. conveniently in the lab. as follows. First a soln. of 600 g. KCN in 700 cc. water is added during 15-20 min. with cooling to a soln. of 1140 g. $MgSO_4.7H_2O$ in 2 l. of water in a 8-l. thick-walled flask. Cooled ethylene oxide is then added in a thin stream with shaking and continued cooling. After stoppering tightly, the flask is shaken at intervals and cooling is continued. After 15-30 min., the reaction begins, as is indicated by pptn. of $Mg(OH)_2$. If necessary, cracked ice may be added to the mixt. to keep the reaction under control. After standing 10-12 hrs., the mixt. is neutralized with 50% H_2SO_4 under the hood. Pptd. sulfates are filtered off and washed with EtOAc. The filtrate is concd. by evapn. on the water bath, the cryst. ppt. filtered off and washed with EtOAc. Next the aq. filtrate is extd. several times (7-10) with EtOAc and the combined EtOAc exts. distd., first under atm. and finally under reduced pressure, to obtain β-hydroxypropionitrile (II) in 85-90% yield based on the KCN. Dehydration of II to I is effected by heating 50-100-g. portions of II with 10% by wt. of powd. Sn, which is prepd. by first treating a concd. aq. soln. of $SnCl_2$ with Zn dust, then treating the pptd. Sn with AcOH to dissolve unreacted Zn, filtering, washing with alc., and drying. The dehydration is carried out simultaneously with distn. of the water and I formed thereby in 75-85% yield. Crude I is dried with potash and redistd. to obtain pure I, b. 78°, d_4^{20} 0.811, n_D^{20} 1.3900. J. W. Perry

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

PROCESSES AND PROPERTIES INDEX

7

CA

Diazometric methods of determining diene hydrocarbons. A. P. Terent'ev, R. V. Vinogradova and O. D. Hal'pern. Izvest. Akad. Nauk U.R.S.S. [N. S.] 4, 267-72(1948).—By titrating the unreacted p-$O_2NC_6H_4N_2Cl$ (I) with β-C_6H_4O, it was possible to det. the amt. of diene hydrocarbon in a mixt. I reacted with only 1,3-diethylenic hydrocarbons. Aromatic hydrocarbons or compds. with conjugated heteroatoms did not react. 2,3-Dimethylbutadiene-1,3, cyclohexadiene-1,3 and cyclopentadiene reacted mol. for mol. with I. This method is applicable to the detn. of divinyls in cracked and pyrolyzed products.

Julius White

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

BC

A-3

Synthesis of α-amino-acids by means of alkylacetoacetic esters. I. V. V. Prozhlakov (Compt. rend. Acad. Sci. U.R.S.S., 1946, 54, 755—756; cf. A., 1946, II, 304). [illegible] and $CH_3As(OH)_2$ (I) in the cold give probably $H_2N\cdot CH_2As(OH)_2$, hydrolysed by [illegible] to $NH_2\cdot CH_2\cdot CO_2H$ (II), which, in [illegible] at 0° to $NH_2\cdot CH(R)\cdot CO_2H$ (III) (R = CH_3) affords (II) (R = CH_3) [illegible] m.-p. [illegible] in ethyl ether; (I) (R = [illegible]) gives the phenylhydrazone, formula [illegible], [illegible] and [illegible], of [illegible]$CO\cdot CO_2H$, converted into [illegible], m.p. [illegible]°.

[With R. V. Chernyakova.] (I) (R = CH_2Ph) affords phenylalanine (C_9 anh. + $2H_2O$).

[With V. N. Kamova.] (I) (R = Me) gives (II) (R = Me) and [illegible]. A. T. P.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G., agronom

Fresh cabbage the year round. Nauka i pered.op. v sel'khoz. 8 no.11:46-48 N '58. (MIRA 11:12)
(Cabbage)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

SOV-107-58-8-7/53

AUTHORS: Pozharova, I (UA3-10243), Grishakov, B. (UA3-10258), Members of the Radio Club's Council; Vinogradova, G. (UA3-10276) Civic-minded instructor.

TITLE: Assemblies of Civic- minded Instructors (Sbory instruktorov-obshchestvennikov)

PERIODICAL: Radio, 1958, Nr 8, pp 8 (USSR)

ABSTRACT: The author describes the activities of the Pavlovskiy Posad (Moscow oblast) Amateur Radio Club. The club held 5-day assemblies for club instructors of the town and surrounding district. Reports were read and discussed on: "The Types of Teaching Work and Methods of Instruction", "The Organization and Means of Carrying out Mass Measures in the DOSAAF Primary Organizations", etc. Lectures were held on: "The Modern Achievements in Radio Engineering and Electronics" and "The Use of Transistors in Radio Apparatus".

1. Radio--USSR

Card 1/1

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G.N.

Effect of fertilizers on the yield and quality of lettuce. Vest. Mosk. un. Ser. 6: Biol., pochv. 19 no.5:70-79 S-O '64. (MIRA 17:12)

1. Kafedra agrokhimii Moskovskogo universiteta.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

KLYUKACHEV, V.A.; VINOGRADOVA, G.

Around the world. Za bezop.dvizh. 3 no.10:6-7 O '60. (MIRA 13:10)

1. Obshchestvennyy inspektor 10 otdeleniya Otdela regulirovaniya ulichnogo dvizheniya (for Klyukachev). 2. Redaktor radioveshchaniya fabriki "Dukat" (for Vinogradova).
(Traffic engineering)

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G.A.; VINOGRADOV, B.V.

In memory of V.L. Leontiev. Izv.Vses.geog.ob-va 88 no.2:196-198 Mr-Ap '56. (MLRA 9:8)
(Leont'ev, Vladimir Leonidovich, 1904-1955)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

VINOGRADOVA, G.A.

Materials on the anatomy and histology of some gamasid mites. Nauch. trudy Kal. otd. MOIP no.2:63-73 '60. (MIRA 14:10)
(MITES) (INSECTS--ANATOMY)

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

KOTEL'NIKOVA, A.S.; VINOGRADOVA, G.A.

Preparation of rhenium dichloromonoacetate and its derivatives with pyridine and thiourea. Dokl. AN SSSR 152 no.3:621-623 S '63. (MIRA 16:12)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova AN SSSR. Predstavleno akademikom I.I.Chernyayevym.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

KOTEL'NIKOVA, A.S.; VINOGRADOVA, G.A.

Rhenium monochlorodiacetate, its preparation and properties.
Zhur. neorg. khim. 9 no.2:307-311 F'64. (MIRA 17:2)

1. Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova AN SSSR.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G.A.

Effect of hepatic reparative regeneration on the mitotic activity of the corneal epithelium and epidermis in mice. Biul. eksp. biol. i med. 50 no. 11:105-108 N '60. (MIRA 13:12)

1. Iz laboratorii gistofiziologii (zav. - kandidat biologicheskikh nauk V.N. Dobrokhotov) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva.
(CELL DIVISION (BIOLOGY)) (CORNEA) (SKIN) (LIVER)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

MORKOVKOV, P.V.; MELNIKOV, B.N.; TIMOFEEVA, G.I.

Possibility to intensify the dyeing of capron with the formation of insoluble hydroxyazo dyes on the fiber. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.3:107-114 '62. (MIRA 17:10)

1. Ivanovskiy khimiko-tekhnologicheskiy institut.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G.I.; MEL'NIKOV, B.N.

Studying the mechanism of the reaction of coupled hydroxy azo dye development on polyamide fibers. Izv. vys. ucheb. zav.; tekh. teks. prom. no.6:81-85 '65. (MIRA 19:1)

1. Ivanovskiy khimiko-tekhnologicheskiy institut. Submitted February 20, 1965.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G.I.; MEL'NIKOV, B.N.; MORYGANOV, P.V.

Investigating the sorption of azoamines by capron fibers. Izv.vys. ucheb.zav.; tekh.tekst.prom. no.5:88-94 '64. (MIRA 18:1)

1. Ivanovskiy khimiko-tekhnologicheskiy institut.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

SHEVELEV, F.A., doktor tekhn. nauk; MOSHNIN, L.F., prof., doktor tekhn. nauk, nauchnyy red.; VINOGRADOVA, G.M., red.; MOCHALINA, Z.S., tekhn. red.

[Tables for hydraulic calculations for steel, cast-iron and asbestos-cement water pipes]Tablitsy dlia gidravlicheskogo rascheta stal'nykh, chugunnykh i asbestotsementnykh vodoprovodnykh trub. Izd.3. Moskva, Gosstroiizdat, 1962. 140 p. (MIRA 15:12)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Shevelev).

(Water pipes)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

BELOUSOV, Vladimir Vladimirovich, inzh.; MIKHAYLOV, Fedor Semenovich, inzh.; VINOGRADOVA, G.M., red.; GOL'BERG, T.M., tekhn.red.

[Installing heating boilers] Montazh otopitel'nykh kotel'nykh ustanovok. Izd.2., ispr. i dop. Moskva, Stroiizdat, 1964. 295 p. (MIRA 17:3)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

BREZHNEV, Viktor Ivanovich; BORODIN, I.V., prof., nauchn. red.; VINOGRADOVA, G.M., red.

[Assembling and repairing water supply equipment] Montazh i remont vodoprovodnykh ustroistv. Moskva, Stroiizdat, 1964. 127 p. (MIRA 18:1)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

SLAVYANOV, V.N.; VINOGRADOVA, G.M., red.

[Forecasting the stability of slopes from the viewpoint of engineering geology] Inzhenerno-geologicheskie prognozy ustoichivosti otkosov. Moskva, Stroiizdat, 1964. 153 p. (MIRA 17:5)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

BARKALOV, B.V., kand. tekhn. nauk, nauchn. red.; KARPIS, Ye.Ye., kand. tekhn. nauk, nauchn. red.; VINOGRADOVA, G.M., red.

[Air conditioning in industrial public, and residential buildings] Konditsionirovanie vozdukha v promyshlennykh, obshchestvennykh i zhilykh zdaniiakh. Moskva, Stroiizdat, 1964. 159 p. (MIRA 17:11)

1. Vsesoyuznoye soveshchaniye po konditsionirovaniyu vozdukha v promyshlennykh, obshchestvennykh i zhilykh zdaniyakh. 1962, Moscow. 2. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki Gosstroya SSSR (for Karpis). 3. Gosudarstvennyy proyektnyy institut stroitel'noy promyshlennosti (for Barkalov).

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

PESTOV, Georgiy Nikolayevich; [illegible], I.V., nauchn. red.;
VINOGRADOVA, G.B., red.

[Closed pipe laying] Zakrytaia prokladka truboprovodov.
Moskva, Stroiizdat, 1964. 187 p. (MIRA 17:11)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

SENKOV, Fedor Vasil'yevich; SMIRDINA, Nina Pavlovna; LOBANOVA, Lyudmila Nikolayevna; VINOGRADOVA, G.M., red.; TARKHOVA, K.Ye., tekhn. red.

[Heating and heat supply of farm buildings and installations] Otoplenie i teplosnabzhenie sel'skikh zdanii i sooruzhenii. Moskva, Gosstroiizdat, 1963. 146 p. (MIRA 16:12)
(Farm buildings—Heating and ventilation)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

GAVRILKO, Vladimir Matveyevich; ABRAMOV, S.K., kand. tekhn. nauk, nauchnyy red.; VINOGRADOVA, G.M., red. izd-va; MIKHEYEVA, A.A., tekhn. red.

[Screens for intake, drainage and hydrogeological wells] Fil'try vodozabornykh, vodoponizitel'nykh i gidrogeologicheskikh skvazhin. 2. izd. ispr. i dop. Moskva, Gosstroiizdat, 1962. 399 p. (MIRA 16:4)

(Wells—Equipment and supplies)
(Water, Underground)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

L 22364-66 EWT(1) RO

ACC NR: AP6005098 (A,N) SOURCE CODE: UR/0325/65/000/004/0154/0158

AUTHOR: Vinogradova, G. N.

ORG: none

TITLE: Effect of fertilizers on Brussels sprout productivity and quality

SOURCE: Nauchnyye doklady vysshey shkoly. Biologicheskiye nauki, no. 4, 1965, 154-158

TOPIC TAGS: horticulture, fertilizer, nitrogen compound, phosphorus compound, potassium compound, agriculture crop

ABSTRACT: The effects of nitrogen, nitrogen-potassium, nitrogen-phosphorus, phosphorus-potassium and completely mineral fertilizers on Brussels sprout productivity were investigated in the sod-podzolic soils of the Agrobiological Station of Moscow University and the Gribovsk Vegetable Breeding Experimental Station in Moscow Oblast. Findings show that nitrogen fertilizers play an important role in increasing the productivity of Brussels sprouts and improving their nutritional value. Phosphate and particularly potassium fertilizers should also be

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introduced, but in smaller doses and always in the presence of nitrogen fertilizers. In this way Brussels sprout productivity is increased without affecting the quality, and nutritional values are improved. Large doses of nitrogen-potassium fertilizers promote botrytis rot in plants; phosphate fertilizers reduce the harmful effect of nitrogen-potassium fertilizers. Orig. art. has: 5 tables.

SUB CODE: 06/ SUBM DATE: 27Apr64.

Card 2/2

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G.N.

Effect of fertilizers on the yield and quality of Brussels sprouts. Nauch.dokl.vys.shkoly; biol.nauki no.4:154-158 '65. (MIRA 18:10)

1. Rekomendovana kafedroy agrokhimii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G.N.

Effect of fertilizers on the riboflavin content of lettuce, radish and brussels sprouts. Nauch. dokl. vys. shkoly; biol. nauki no.1: 151-155 '64. (MIRA 17:4)

1. Rekomendovana kafedroy agrokhimii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

GURICH, N.A.; RAKITINA, M.A.; VINOGRADOVA, G.P.

Use of oleoresins and colophony obtained from hardwoods in the various branches of the industry. Gidroliz. i lesokhim. 18 no.2:15-16 '65. (MIRA 18:5)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektnyy institut lesokhimicheskoy promyshlennosti.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

SHEVYAKOV, L.D., akademik, redaktor; KULIKOV, A.P., otvetstvennyy redaktor; SHUSHKOVSKAYA, Ye.L., redaktor izdatel'stva; VINOGRADOVA, G.V., redaktor izdatel'stva; HADZINSKAYA, A.A., tekhnicheskiy redaktor; KOROVENKOVA, Z.A., tekhnicheskiy redaktor

[Mining pitching seams in the Kuznetsk Basin] Razrabotka krutopadaiushchikh plastov Kuzbassa. Pod obshchei red. L.D. Sheviakova. Moskva, Ugletekhizdat, 1956. 691 p. (MLRA 10:4)

1. Akademiya nauk SSSR. Institut gornogo dela.
(Kuznetsk Basin--Coal mines and mining)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G. V.

J-3

USSR / Soil Science. Organic Fertilizers.

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 72721

Author : Vinogradova, G. V.
Inst : Not given
Title : Use of Green Fertilizer

Orig Pub : Sad i ogorod, 1958, No 1, 18-20

Abstract : No abstract given

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

LIDIN, G.D., prof., doktor tekhn. nauk, red.; AYRUNI, A.T., kand. tekhn. nauk, otv. red.; VINOGRADOVA, G.V., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Problems in the theory of degassing coal seams] Vopprosy teorii degazatsii ugol'nykh plastov; trudy. Pod obshchei red. G.D.Lidina. Moskva, Gosgortekhizdat, 1963. 205 p. (MIRA 16:4)

1. Vsesoyuznoye nauchno-tekhnicheskoye soveshchaniye po teorii degazatsii, Moscow, 1961. 2. Institut gornogo dela im. A.A.Skochinskogo (for Ayruni).
(Mine gases)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9

VINOGRADOVA, G. V.

USSR

Cultivated Plants. Potatoes. Vegetables. Cucurbits.

Ref. Zhur-Biologiya, No. 5, 1959, No. 20325

Author : Vinogradova, G.V.

Inst. : Sci.Res.Inst.of Vegetable Raising

Title : The Effectiveness of Green Manure in Vegetable Raising in the Subtropical Zone of Krasnodarskiy Kray.

Orig. Pub.: Byul. nauchno-tekhn. inform. N.-i. in-ta ovoshchn. kh-va, 1958, No.4, 58-59

Abstract : No abstract

CARD : 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920017-9"