"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKO, Ye.B.

Ways of saving water in rice growing. Izv. TSKhA no.2:119-130 '56. (MLRA 9:12)

(Rice) (Irrigation)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

AVERKIYEV, F.V., kand. ekonom. nauk; IVANOV, D.I., otv.red.; VELICHKO, Ye.M., red.

[Collection of statistical information on fishing equipment of the Azov Sea basin and adjacent areas of the Black Sea]. Sbornik statisticheskikh sredstv rybolovnykh orudiiakh Azovskogo basseina i prilezhashchikh uchastkov Chernogo morya. Moskva, 1963. 71 p. (Rostov-na-Donu. Azovskii nauchno-issledovatel'skii institut rybnogo khozyaistva. Trudy, no.7). (MIRA 17:7)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

KOZHIN, L.I., prof., glav. red.; ABAKUMOV, V.A., zam. glav. red.; BLINOVA, Ye.N., red.; BYKOV, V.P., red.; MAKSIMOV, S.I., red.; GRADOVSKIY, S.G., red.; POLULYAK, S.I., red.; VELICHKO, Ye.M., red.

[Papers of young scholars] Trudy molodykh uchenykh. Moskva, Pishchevaia promyshlennost', 1964. 261 p. (MIRA 18:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii, Moskva (for Abakumov, Blinova, Bykov).

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

KASPIN, B.A.; KIPPER, Z.M.; MIKHALCHENKOV, G.N.; MOREV, A.N.; CHERNOV, P.G.; SHORKOV, V.P.; VELICHKO, Ye.M., red.

[Designing and building fish farms and fish hatcheries] Proektirovanie i stroitel'stvo rybovodnykh khoziaistv i zavodov. [By] B.A. Kaspin i dr. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 365 p. (MIRA 17:5)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

LAYNER, V.I., doktor tekhn.nauk, prof.; VELICHKO, Yu.A., inzh.

Silver plating of aluminum. Vest.mashinostr. 42 no.9:45-48 S '62. (MIRA 15:9)

(Aluminum) (Silver plating)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

SMELOV, N.S.; YEGOROV, G.I.; KOKOLIN, A.I.; KSANFOPULO, P.I.; RAKHMANOVA, N.V.; KRYLOVA, Ye.Ye.; RYKOVA, L.K.; PER, M.I.; PETRUSHEVSKIY, S.I.; PUSTOVAYA, A.I.; TUNGSKOVA, A.I.; VELICHKO, Ye.V.; PLAVIT, P.Ya.; GOL'DENBERG, M.M.

Evaluation of results of the treatment of early syphilis according to 1949 scheme. Vest. vener., Moskva No.1:29-33 Jan-Feb 52. (CIML 21:4)

1. Professor for Smelov and Per. 2. Central Skin-Venerelogical Institute (Director--N.M. Turanov) for Smelov, Yegorov, Sokolin, Ksanfopulo, Rakhmanova, Krylova and Rykov; Hospital imeni Korolenko (Head Physician Docent V.P. Volkov) for Per, Petrushevskiy; First Venereological Dispensary (Head Physician--K.A. Vinogradova) for Pustovaya and Tunguskova); Second Venereological Dispensary (Head Physician--V.G. Bronshteyn) for Velichko, Plavit and Gol'denberg.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VL [illegible]

LAYNER, [illegible], doktor tekhnicheskikh nauk, professor, [illegible], Yu.A., inzhener.

Protective and decorative chromium plating of aluminum ware.
Vest.mash. 37 no. [illegible] S '5[illegible] (MIRA 10:9)
(Chromium plating) (Aluminum)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

S/122/60/000/002/015/018
A161/A130

AUTHORS: Layner, V. I., Doctor of Technical Sciences, Professor; Velichko, Yu. A., Engineer

TITLE: Electrodepositing thick layers of nickel-cobalt alloys

PERIODICAL: Vestnik mashinostroyeniya, no. 2, 1960, 73 - 76

TEXT: A new method is used by some Anglo-Scandinavian companies for producing die-casting and press molds for plastics - by electrodepositing 3 - 4 mm deep nickel-cobalt alloy layers of above HRC 40 hardness. The advantages of the method are obvious, and the conventional mechanical making sometimes takes a highly skilled engraver a whole year to carve a complex die. The method being the result of 14 years studies, is a patent. Experimental data concern the effect of different relative concentrations of Ni and Co salts in the electrolyte on the deposite composition at different current densities; the effect of pH and stirring (by air blown through a perforated pipe); the effect of different combinations of anode and cathode metals. The test results were obtained with separate anodes of Ni and Co and separate current supply to them, in a combination with a 12 v ВСА-5 (VSA-5) selenium rectifier for the current source and a 6 v acid storage

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

Electrodepositing thick layers of nickel-cobalt alloys S/122/60/000/002/016/018
A161/A130

battery connected to its terminals, and theostats for controlling the currents. The electrolyzer was a glass vessel of 7 liter capacity. In view of little difference between the Ni and Co electrochemical equivalents different metal compositions were produced by current supply variations, e.g., 30% of the total current was supplied to the Co anode having 30% Co in the alloy. Several experiments were carried out, between 2 and 12 days duration. Concentrated $CoSO_4$ was added by drops into the bath to maintain a constant electrolyte composition, but it was practically impossible by such means. Layers of 3 - 4 mm were obtained with dendritic structure, and banded. Analogous bandedness had been frequently stated previously when organic gloss agents were added into nickel electrolyte (Refs. 3 and 4). The bands were wide and narrow. The wide bands are supposed to be due to electrolyte composition variations with time (mainly the Co and Ni salts content), and the many narrow bands by cycles in cathode process, i.e., periodical oxide formations. The temperature, current density, stirring, Ni and Co concentrations and the effect of buffer compounds affecting the pH in the cathode layer, seems to be the reason why the bands were not found throughout the entire photo-micrographs but in spots (for the current density was not equal throughout). The deposite hardness depended clearly on the Co content and rose up to 40% Co., to RC 40, then remained practical-

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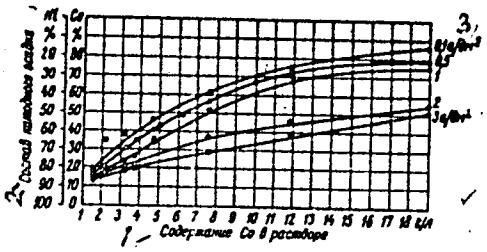
"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

Electrodepositing thick layers of nickel-cobalt alloys S/122/60/000/002/016/018
A161/A130

ly constant. Higher hardness was reached with electrolytes containing ammonium sulfate, but only in single cases. There are 8 figures and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: A. John, Henricks, Trans. Electrochem. Soc., v. 82, 1943; C. B. F. Young and Clifford Struyk, Trans. Electrochem. Soc., v. 89, 1946.

Fig. 1. The effect of Co content in electrolyte and current density on the deposite composition.

Legend: 1 - Co content in g/liter; 2 - The composition of deposited alloy; 3 - Current density, amp/dm^2.



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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

KOROVIN, N.V.; VELICHKO, Yu.A.; KONSTANTINOVA, G.S.

Electrodeposition of lead-thallium alloys. Sbor. nauch. trud. GINTSVETMET no.33:400-404 '60. (MIRA 15:3)
(Electroforming) (Lead-thallium alloys)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

LAYNER, V.I.; VELICHKO, Yu.A.

Electroforming of nickel-cobalt alloy inserts for casting and pressing plastic products. Sbor. nauch. trud. GINTSVETMET no.33:405-420 '60. (MIRA 15:3)
(Electroforming) (Nickel-cobalt alloys)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

S/122/62/000/009/001/003
A006/A101

AUTHORS: Layner, V. I., Professor, Doctor of Technical Sciences,
Velichko, Yu. A., Engineer

TITLE: Silver plating of aluminum

PERIODICAL: Vestnik mashinostroyeniya, no. 9, 1962, 45 - 48

TEXT: An experimental investigation on the silver plating of Al was performed for the purpose of raising the electric conductivity of Al and to extend its use as an electric conducting material. Its poor electric conductivity is due to the formation of an oxide film on the Al surface and to the possibility of corrosion. Various methods of silver plating were tested. Best cohesion of the silver coating with Al was obtained by silver plating zinc-plated Al in two preliminary and one basic baths. Zinc plating is carried out in a solution containing in g/l: ZnO 40 - 45, NaCN 50 - 80, NaOH 60 - 80, Na_2S 3 - 5, gelatin 0.5 - 5; bath temperature 17 - 25°C; current density 1 amp/dm^2, time 5 - 10 min.: thickness of the coating 2 - 3 μ. The first and second preliminary silver-plating solutions contain AgCN 1 and 5.3, KCN 90 and 67.5 g/l respectively; current density 1.5 - 2.5 amp/dm^2; temperature 25 - 27°C: time 10 - 12 sec. The basic bath contains in g/l: AgCN 30, KCN 55.5, KCN (free) 41.9, K_2CO_3 45; current density 0.5 amp/dm^2, bath

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

Silver plating of aluminum

S/122/62/000/00[illegible]/A001/A[illegible]
A006/A101

temperature 25 - 27°C; current efficiency 93%. The thickness of the silver coating varies between 50 μ for heavy duty and 15 - 20 μ for easy operational conditions. Corrosion tests were performed in a corrosion chamber of the laboratory of [illegible] coating at the Moscow Plant imeni I. A. Likhachev. It was found that an effective protection of silver-plated aluminum against corrosion is assured by insulating the Al from the effect of the surrounding medium, i.e. the coating must be poreless. Poreless coatings are obtained by applying 25 to 50 μ thick silver layers on a 50 - 80 μ thick copper under-layer. The Cu layer is [illegible] an electrolyte of the following composition: in g/l CuCn 40 - 42, NaCN [illegible] - NaCN (free) up to 3.8, Na_2CO_3 30 - 40, $KNaC_4H_4O_6 \cdot 4H_2O$ 40 - 60. Bath temp. 38 - 40°C. pH 10.2÷10.5; current intensity 2.5 amp/dm², for 2 minutes and 1 amp/dm² for 3 - 5 minutes. There are 3 figures and 1 table.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

S/122/61/000/001/007/015
A161/A130

AUTHORS: Layner, V. I., Professor, Doctor of Technical Sciences; Velichko, Yu. A., Engineer

TITLE: Nickel-cobalt alloy mold inserts for plastics produced by electroplating

PERIODICAL: Vestnik mashinostroyeniya, no. 1, 1961, 47 - 51

TEXT: The authors carried out an experimental investigation in attempt to find out the technology used by a not named British-Skandinavian company advertizing a new method for producing electroplated nickel-cobalt alloy die inserts for casting and pressing plastics. The first information on these experiments had been published previously (Ref. 3: V. I. Layner, Yu. A. Velichko, Elektroosazhdeniye nikel'kobal'tovykh splavov v tolstykh sloyakh. "Vestnik mashinostroyeniya, no. 2, 1960). The method is a patent of the foreign company and the result of a 14-year development which is continued with the purpose to obtain hardness of above HRC 40 and extend applications. The authors obtained results proving that it is possible to produce low-stressed Ni-Co deposits of

Card 1/2

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Nickel-cobalt alloy mold inserts S/122/61/000/001/007/015
A161/A130

3 - 4 mm depth and about HRC 40 hardness. The method requires the making of only one positive pattern, e.g., of organic glass, or a ready workpiece from plastic or metal may be used for pattern. A nonmetallic pattern has to be silverplated to produce a conductive layer, and a metal pattern by a separating layer. Then the pattern is electrochemically coated with thin films of nickel and copper out of electrolytes with sulfuric acid, and charged into electrolyte for 12 - 20 days for depositing a thick Ni-Co layer. The outside of the pattern is plated with a thick layer of copper and machined on a lathe to required dimensions. The article gives a detailed information on the techniques and materials used in the experiments. The deposits were dull. Electropolishing in sulfuric acid was tried to make them bright. The following conclusions are made: It has been proven that molding inserts of Ni-Co alloy can be produced on patterns of polystyrene, organic glass and other materials; the best method for coating a conductive layer is chemical silverplating and using invert sugar, Rochelle salt, glukose, or other matter for reduction; it is possible to precipitate nickel and cobalt on the cathode from solutions of simple salts, and to obtain alloy layers of considerable depth. Senior laboratory assistant N. S. Galimova took part in the experiments. There are 6 figures and 4 Soviet-bloc references.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

S/137/62/000/007/063/072
A160/A101

AUTHORS: Korovin, N. V., Velichko, Yu. A., Konstantinova, G. S.

TITLE: The electrodeposition of the lead-thallium alloy

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1962, 98 - 99, abstract 71668 ("Sb. nauchn. tr. In-t tsvetn. met. im. M. I. Kalinina", 1960, 33, 400 - 404)

TEXT: The deposition of Tl was carried out with hydrofluoboric and perchlorate electrolytes. It is possible to obtain good-quality Pb-Tl layers in a perchlorate solution containing Tl, Pb salts, free perchloric acid, size and peptone. The composition of the alloy depends on the Pb : Tl ratio in the electrolyte. Varying the ratio, it is possible to obtain alloys of any composition. When increasing D_c, the content of Tl in the alloy also increases. A decrease in the concentration of free perchloric acid, especially below 10 - 20 g/l, reduces the content of Tl in the deposit. The yield of the alloy by current is close to 100% and is slightly affected by electrolysis conditions. There are 7 references.

Ye. Layner

[Abstracter's note: Complete translation]

Card 1/1

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKO, Yu.A.

122-4-13/29

AUTHOR: Layner, V.I., Doctor of Technical Sciences, Professor, and Velichko, Yu.A.

TITLE: Copper plating in hydro-fluoric boron electrolytes. (Medbebie v borftoristovodorodnykh elektrolitakh.)

PERIODICAL: "Vestnik Mashinostroeniya" (Engineering Journal), 1957, No.4, pp. 60 - 64 (U.S.S.R.)

ABSTRACT: Investigations on hydro-fluoric boron electrolytes are reported containing between 17 and 125 g/litre of copper in the form of hydrofluoric boron salts. The raw materials for preparing the electrolyte were hydrofluoric acid, boric acid and copper sulphate first transformed into copper carbonate. The method of obtaining the electrolyte is described in detail. The copper content in the bath was determined by the electrolytic or the volume method. The analytical procedure is described. For all electrolytes the upper limit of the permissible current density at different temperatures was determined both at rest and when stirred by air. The porosity of coatings (depending on their thickness), the strength of the bond with the parent metal and the capacity of copper-plated steel to be deformed in press tools were found. Specimens of low carbon steel were degreased, subjected to anodic treatment in an alkaline solution and plated with a nickel undercoat of

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Copper plating in hydrofluoric boron electrolytes. (Cont.)
122-4-13/29

1 μ thickness. It is not necessary to obtain a completely dense nickel coat. The copper coat forms bridges through the pores of the nickel. The solution of iron in the pores is retarded by cathodic polarisation. The adhesion strength of the copper coat was determined by repeated bending tests, by the Ericson drawing test and by annealing. Bad adhesion was obtained with a very thin (0.2 μ) or a very thick (5 μ) nickel undercoat. The tests are summarised in tables and graphs. The distinguishing feature of hydrofluoric boron electrolytes, compared with sulphates, is a much greater permissible current density. This rises with the concentration of the copper salt. At 20 °C and 17 g/litre copper in the form of hydrofluoric boron salt, good deposits are obtained with a density of 2 A/dm^2. With a copper concentration of 125 g/litre the permissible current density rises to 25-30 A/dm^2. A high temperature and stirring of the electrolyte help to increase the permissible current density. In the dilute bath an increase of temperature from 20 to 65 °C raises the permissible current density from 2 to 5 A/dm^2, whilst in the concentrated bath the value rises from 20 to 65 A/dm^2. Stirring by air increases the permissible
2/3 density almost two-fold. Non-porous copper coats from electrolytes of medium concentration (80 g/litre) are obtained if

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Copper plating in hydrofluoric boron electrolytes. (Cont.)
122-4-13/29

30 μ thick or above. 50 μ thickness is necessary when plating from dilute baths. The coat becomes smooth at a large thickness (100 μ). Such coats still retain good adhesion and can be recommended for producing bi-metallic strip subject to deep drawing operations.

3/3 There are 6 figures, 2 tables and 3 non-Slavic references.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

LAYNER, V.I., doktor tekhn.nauk, prof.; VELICHKO, Yu.A.

Electrodeposition of nickel-cobalt alloys in thick layers. Vest. mash. 40 no.2:73-76 F '60. (MIRA 13:5)
(Nickel plating)

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136-3-12/25

AUTHORS: Layner, V.I., Professor, Doctor and Velichko, Yu. A., Engineer.

TITLE: Galvanothermic Method of Producing Steel/Copper-Zinc Alloy Bimetal. (Gal'vanotermicheskiy metod polucheniye bimetalla stal' - medno-tsinkovyy splav).

PERIODICAL: Tsvetnyye Metally, 1957, No.3, pp.60-66 (USSR)

ABSTRACT: There are practical difficulties in depositing electrolytically a copper-zinc alloy; copper and zinc, however, can be deposited separately without difficulty and this is the principle of the "galvanothermic" method of making bimetal. The zinc and copper are deposited on the steel in thin layers which diffuse into each other on annealing. The investigation of this process is described in the present article. The steel was first coated thinly with nickel and then with copper and zinc in acid electrolytes to give a total thickness of 30 or 90.μ. Annealing was carried out in a reducing atmosphere and specimens were then subjected to microscopic analysis, to chemical analysis of different layers and to deformation tests. Graphs show changes in composition with depth for specimens treated under various conditions and photomicrographs are also shown. It was shown that under the above conditions the

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136-3-12/25

Galvanothermal Method of Producing Steel/Copper-Zinc Alloy Bimetal.

zinc content decreases with increasing depth from the surface; least variation in composition was found in specimens heated for three hours at 400 C and then for four hours at 520 C. Satisfactory adhesion between copper and steel was obtained with a 1 μ thick nickel deposit.

2/2 . Good adhesion and stamping properties were obtained. There are 10 figures and 4 references, 2 of which are Slavic.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

ACCESSION NR: AT4001241 S/3031/63/000/035/0267/0276

AUTHORS: Layner, V. I.; Velichko, Yu. A.

TITLE: Electrolytic deposition of heavy dense rhodium layers

SOURCE: Gosudarstvenny*y institut tsvetny*kh metallov. Sbornik nauchny*kh trudov. Moscow, no. 35, 1963, 267-276

TOPIC TAGS: rhodium electrolytic deposition, electroplating, rhodium, rhodium plating

ABSTRACT: The purpose of the research was to develop a technology for obtaining structurally satisfactory well-adhering rhodium coatings up to 50 microns thick, particularly for the electronic industry, since earlier techniques were confined to thicknesses not exceeding 2 microns. Test results have shown that satisfactory rhodium coatings are obtained in a wide range of current densities from sulfuric-acid electrolytes which contain no chlorine ions. The

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ACCESSION NR: AT4001241

attainable current density in rhodium electrolytes increases with the rhodium contents; the sulfuric acid concentration in the electrolytes can fluctuate over a wide range, 50--200 grams per liter and above. The yield of rhodium per unit current increases with the rhodium content in the electrolyte and with increasing temperature, and decreases with increasing sulfuric acid concentration and current density. Dense rhodium coatings without cracks can be obtained only if selenic acid is present in the electrolyte in addition to the main components (sulfuric acid and rhodium sulfate). The recommended electrolyte composition and conditions for dense rhodium coatings of sufficient thickness is: 50--250 grams per liter of H_2SO_4, 2--4 grams per liter H_2SeO_4, 10--60 grams per liter of Rh, temperature 50--60°, current density up to $10A/dm^2$. Orig. art. has: 9 figures and 1 table.

ASSOCIATION: Gosudarstvenny*y institut tsvetny*kh metallov (State Institute of Nonferrous Metals)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKO, Yu. A.

~~VELICHKO, YUGAS~~

600

1. BOCHVAR, A. A., Corr Memb of Academy of Sciences,
VELICHKO, I. P., VELICHKO, Yu. A.

2. USSR (600)

"Influence of Increased Pressure During Crystallization of Copper Alloys on their quality," Iz. Ak. Nauk SSSR, Otdel. Tekh. Nauk, No. 5, 1940 Institute of Metallurgy, Academy of Sciences, USSR.

9. [redacted] Report U-1530, 25 Oct 1951

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VELIKIKO, YU. A.
A. A. [illegible], IAN/OTN, 1940, (5), 13-24

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKO, YU. A.

A. A. BOCHVAR, Bull. acad. sci. URSS, Classe sci. tech. 1940, No. 5, 13-24

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKO, Yu.T. [Velychko, IU.T.], prof., doktor tekhn.nauk; SOBOLEVSKIY, K.M. [Sobolevs'kyi, K.M.], kand.tekhn.nauk, starshiy nauchnyy sotrudnik; KOVAL'CHUK-IVANYUK, Yu.V.; KARPENKO, V.P.; GURSKIY, G.I. [Hurs'kyi, H.I.]; KOSENKO, M.Ye. [Kosenko, M.IU.]; GRINCHISHIN, D.G. [Hrynchyshyn, D.H.], red.-leksikograf; LABINOVA, N.M., red.; KADASHEVICH, O.O., tekhred.

[Russian-Ukrainian dictionary of radio engineering] Rosiis'ko-ukrains'kyi elektroradiotekhnichnyi slovnyk. 30 000 terminiv. Ukladachi: IU.T.Velychko i dr. Kyiv, Vyd-vo Akad.nauk URSR, 1961. 534 p. (MIRA 14:4)
(Radio--Dictionaries)
(Russian language--Dictionaries--Ukrainian language)

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

112-57-7-15154

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 7, p 195 (USSR)

AUTHOR: Velichko, Yu. T.

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POKHODZILO, Petr Vasil'yevich; VELICHKO, Yu.T., doktor tekhn. nauk, prof., retsenzent; IVANOV, A.A., kand. tekhn. nauk, dots., otv. red.; YAROTSKIY, V.D., red.

[Development of basic methods and techniques in radio measurements; an historical and technical account] Razvitie osnovnykh metodov i tekhniki radioizmerenii; istoriko-tekhnicheskii ocherk. Kiev, Izd-vo "Naukova dumka," 1964. 285 p. (MIRA 17:6)

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(Electric circuits)

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M.G. Liukov. Izv. vys. ucheb. zav.; energ. no.5:127 My '58. (MIRA 11:8)

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Ideal elements in the equivalent circuit of a linear four-terminal network. Izv. vys. ucheb. zav.; radiotekh. 4 no.4:369-387 Jl-Ag '61. (MIRA 14:11)

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[Principal methods for analyzing linear electric circuits] Osnovni metody analizu liniinykh elektrychnykh kil. Kyiv, Vydvo Akad. nauk URSR, 1961. 274 p. (MIRA 15:6)
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(Equilvalent circuits)

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[Principles of the theory of linear electrical networks; networks with lumped parameters] Osnovy teorii liniinykh elek rychnykh kil; kola z zosredzhenymy parametramy. Kyiv, Naukova dumka, 1964. 441 p. (MIRA 18:1)

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6(4) VELICHKO, YURIY TEOFANOVICH PHASE I BOOK EXPLOITATION SOV/1937

Yelychko, Yuryy Teofanovych

Prokhidni chotyrypolyusnyky (Cascade Four-terminal Networks) Kyyiv, Derzhtekhvydav, 1958. 410 p. 1,000 copies printed.

Ed.: O. Kaspers'ka; Tech. Ed.: K. Gusarov.

PURPOSE: This book was approved by the Ministry of Higher Education, UkrSSR, as a textbook for the radio-engineering and electrical-engineering departments of vuzes.

COVERAGE: The author presents the complete theory of cascade four-terminal networks consisting of active elements (source of supply), controlled elements (amplifiers) and passive elements (positive and negative resistors, capacitors, inductors and transformers). He also discusses the synthesis and analysis of four-terminal networks under all characteristic loads. Synthesis and analysis are accomplished with the aid of matrix calculus and graphical representation. No personalities are mentioned. There are 205 re-

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Cascade Four-terminal Networks

ferences: 84 Soviet (including 1 translation), 80 German, 28 English, 9 French, 3 Polish and 1 Rumanian.

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1. Institut za spetsializatsiia i usuvurshenstvuvane na lekarite - Sofiia. Katedra po rentgenologiia i radiologiia. Zav. katedrata: prof. G. Tenchov[deceased].

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DALEV, D., prof.; VELICHKOV, L.

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Some questions on determining the factory and plants prices. Trud tseni 3 no.8:42-54 '61.

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VELICHKOV, V.

3

~~SURNAME (in caps); Given Names~~

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: not indicated

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Co-authors:

MITKOV, G., Sofia
STEFANOVA, Z. "
NINOV, N. "

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COUNTRY : BULGARIA
CATEGORY : Farm Animals.
The Honeybee.

Q

ABS. JOUR. : RZhBiol., No. 3, 1959, No. 12122

AUTHOR : Velichkov, Velichko
INST. : -
TITLE : Annual Data on the Influence of Pollination by Bees on the Crop Capacity of Melons, Watermelons, and Pumpkins.
ORIG PUB. : Pchelarstvo, 1957, No 12, 3-6

ABSTRACT : No abstract.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKOV, V.; MITOV, G.; STEFANOVA, Z.; NINOV, N.

Virological examinations during the use of live poliomyelitis vaccines. Nauch. tr. vissh. med. inst. Sofia 41 no.1:85-90 '62.

1. Predstavena ot prof. Sv. Burdarov.
(POLIOVIRUS VACCINE ORAL)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

KARACHOLEV, I.; ANDONOV, P.; VELICHKOV, V.

A study of the epidemiological features of diseases caused by 2-wave meningoencephalitis. Izv. mikrobiol. inst. 14: 39-44 '62.

(ENCEPHALITIS, EPIDEMIC)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

MITOV,G.; VELICKOV,V.; STEFANOVA,Z.; NINOV,N.; KAPRELIAN, G.;PANAIOTOV, P.

On the problem of the effectiveness of live polio vaccine and the eradication of poliomyelitis in Bulgaria. Nauch. tr. vissh. med. inst. Sofiia 43 no.4:33-37 '64

1. Chair of Microbiology and Virology (Director: Prof. Sv. Bardarov).

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKOV, V., inzh.

Controlled semiconductor rectifiers. Mashinostroene 13 no.10:34-39 O '64.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

BOBEV, Dr.; VELICHKOVA, D.; MARKOVA, R.; IORDANOV, G.

The incidence, types and etiology of congenital malformations in children. Suvr. med. 14 no.8:8-17 '63.

(ABNORMALITIES) (STATISTICS)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

KRUSTINOV, G., prof.; DRAGOICHEV, Ch.; VELICHKOVA, D.

Our experience with the treatment of congenital heart defects. Khirurgiia, Sofia 14 no.2/3:192-194 '61.

1. Katedra po bolnichna khirurgiia i Katedra po detski bolesti pri Instituta za spetsializatsiia i usuvurshenie na lekarite.

(HEART DEFECTS CONGENITAL surg)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

DERIZHAN, A.; SAEV, St.; VELICHKOVA, D.

Experiences with hypothermia in surgery of congenital cardiac defects. Khirurgiia, Sofia 11 no.5-6:449-452 1958.

1. Iz Khirurgichnata klinika pri ISUL.
(CARDIOVASCULAR DEFECTS, CONGENITAL, surgery, hypothermia (Bul))
(HYPOTHERMIA, in cardiovasc. defects, congen. surg. (Bul))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

ARNAUDOV, D., dotsent; VELICHKOVA, D.; MINCHEV, P.

Congenital atresia of the intestinal tract. Pediatriia 41 no.11: 56-62 N'62 (MIRA 17:4)

1. Iz kliniki gospital'noy khirurgii (dir. - prof. K. Stoianov) i kliniki detskikh bolezney (dir. - prof. B.Bratanov) pri Institute spetsializatsii i usovershenstvovaniya vrachey [Institut za spetsiializatsiia i usuvurshenstvuvane na lekarite], Sofiya, i Okruzhnoy bol'nitsy v Dimitrovo (glavnyy.vrach B.Ivanov) ,Bolgariya.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

KRUSTINOV, G.; DRAGOICHEV, Ch.; VELICHKOVA, D.

Our experience with the treatment of ductus arteriosus botalli persistens. Khirurgiia, Sofia 12 no.7:550-557 '59.

1. Institut za spetsializatsiia i usuvurshenstvuvane na lekarite - Sofiia. Klinika po bolnichna khirurgiia. Direktor: prof. K. Stoianov.
(DUCTUS ARTERIOSUS surg.)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

MARINOVA, L.; IOSIVCHEV, A.; VELICHKOVA, D.; ABADZHIEV, D.

Experiences with diagnosis of congenital cardiovascular defects. Khirurgiia, Sofia 11 no.5-6:515-517 1958.

1. Iz Khirurgichnata i Detskata klinika pri LSUL.
(CARDIOVASCULAR DEFECTS, CONGENITAL, diagnosis, (Bul))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

BULGARIA

BOBEV, Dr.; VELICHKOVA, D.; MARKOVA, R.; and YORDANOV, G. /affiliations not given/.

"The Frequency, Forms, and Etiology of Congenital Malformations in Children."

Sofia, Suvremenna Meditsina, Vol 14, No 8, 1963, pp 8-17.

Abstract: The authors review the literature of the field and then report their studies of congenital malformations observed over the eight-year period between 1954 and 1961 in the Obstetrical Department and Childrens Clinic of the Medical Specialization Institute in Sofia. Of 16,276 births during the period, 200 infants had malformations, or 1.22 percent of the total. Of those with malformations, 27 or 13.5 percent were stillborn. Most of the malformed children were borne by mothers between 18 and 25 years old and were firstborn. Nearly half of the mothers involved had either undergone voluntary abortions (more than once, in some cases) or experienced miscarriages. Diseases during pregnancy appeared to account for some of the malformations. The father's occupation might play a role in the case of those constantly exposed to high temperatures in brickyards, bakeries, and the like. Heart malformations were the most common, followed by malformations of the central nervous system and digestive tract. Malformations of the respiratory system were the exception. Four tables, 16 Western and 15 Soviet-bloc references.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKOVA, P.

BURKOV, T., dots.; SIRAKOV, V.; VELICHKOVA, P.; TUZLUKOVA, L.; PENEVA, D.; POPOV, P.

Studies on distribution of dental caries in students in certain regions as the initial stage of presentation of the picture of dental caries in the country. Stomatologiia, Sofia no.3:153-167 1954.

1. Iz Republikansiia nauchno-izsledovatelski stomatologichen institut (direktor: dots. T.Burkov)
(DENTAL CARIES, epidemiology, Bulgaria)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

ANASTASOV, K.; VELICHKOVA, P.

Difficult diagnosis in a cse of pemphigus vulgaris. Stomatologiia, Sofia no.5:301-303 1954.

1. Iz Republikanskiia nauchno-izsledovatelski stomatologichen institut. Direktor: dots. T.Burkov.
(PEMPHIGUS,
vulgaris, diag.)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

BURKOV, T., dots.; SIRAKOV, V.; PEEVA, D.; TUZLUKOVA, L.; VELICHKOVA, P.; POPOV, Pl.

Certain problems associated with the etiology of amphodontosis. Stomatologiia no.1:14-18 '54. (MRAL 3:7)
(PERIODONTIUM, diseases, *etiol. & pathogen.)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

BULGARIA/General and Systematic Zoology. Insects. Harmful Insects and Acarids. Fodder Pests. P

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11611

Author : Velichkova St.
Inst : -
Title : Alfalfa Pests in Novopazarskiy Rayon

Orig Pub : Kooperat. zemledeliye, 1958, No 2, 20-21

Abstract : No abstract

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKOVA, V. ; SHELUDKO, A.

Sensitive method for measuring surface friction of solutions of substances which lower surface tension. In Russian. p. 135.

GODISHNIK. KHIMIIA. Sofiia, Bulgaria. Vol. 50, No. 2, 1955/56 (published 1958)

Monthly list of East Accession (EEAI) LC, Vol. 9, No. 1 January 1960

Uncl.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

ZORINA, Ye.L.; VELICHKOVA, V.B.; GULIYEV, T.N.

Infrared absorption of indium selenide single crystals. Izv. AN SSSR. Neorg. mat. 1 no.5:690-691 My '65. (MIRA 18:10)

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

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

L 2741-66 EWP(e)/EWT(m)/EWP(t)/EWP(b)

ACC NR: AP5028717 SOURCE CODE: UR/0363/65/001/011/1889/1891

AUTHOR: Zorina, Ye. L.; Dembovskiy, S. A.; Velichkova, V. B.; Vinogradova, G. Z.

ORG: Institute of General and Inorganic Chemistry im. N. S. Kurnakov, Academy of Sciences, SSSR (Institut obshchey i neorganicheskoy khimii Akademii nauk SSSR)

TITLE: Infrared absorption of As_2Se_3, As_2Se_5, and $AsSe_4$ in the glassy state

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965, 1889-1891

TOPIC TAGS: arsenic, selenide, glassy state, IR spectrum, absorption spectrum

ABSTRACT: A study has been made of the IR absorption of glassy As_2Se_3, As_2Se_5, and $AsSe_4$ in the 0.67--25 μ region with the IKS-14 spectrophotometer. The absorption spectra of the above selenides in the glassy state were shown to have a weak 15.6 μ band, which was ascribed to impurities, and a strong 20.9 μ band, due to selenium. In addition, $AsSe_4$ has a 12.7 μ band, due to As_2O_3. No fundamental absorption bands were observed in the region studied. The absorption and reflection coefficients, and the refractive indexes at the edge absorption band for glassy As_2Se_3, As_2Se_5, and $AsSe_4$ were determined. Orig. art. has: 1 figure and 1 table. [BO]

SUB CODE: IC/ SUBM DATE: 22Jun65/ ORIG REF: 009/ OTH REF: 003/ ATD PRESS: 4141

UDC: 546.19'23:543.422.4

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0.13 mm thick was 29%: the absorption edge was at 1.04μ (0.18 eV). Fig. 2 of the Enclo-

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICKOVIC, Dusan, prof., dr.,ing. (Belgrade)

Foreword to the 2d volume of the "Almanah metalopreradivacke i elektroindustrije Jugoslavije." Alm metal Ind iii-vi '57.

1. President of the Union of Mechnaical and Electrical Engineers and Technicians of Yugoslavia; glavni urednik, "Almanah metalopreradivacke i elektroindustrije Jugoslavije"

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICKOVIĆ Dusan, prof.,dr.,ing.

Foreward to the 3d volume of the "Almanah metalopreradivacke i elektroindustrije Jugoslavije." Alm metal ind 5-8 '60.

1. President of the Association of Mechanical and Electrical Engineers and Technicians of Yugoslavia; glavni urednik, "Almanah metalopreradivacke i elektroindustrije Jugoslavije"

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICKOVIC, D., prof. dr inz.

International Conference on Gasification Processes. Tekhnika Jug 17 no.12:2244 D '62.

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKOVICH B.

YUGOSLAVIA / Farm Animals. Small Horned Stock. 2-2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105640.

Author : Velichkovich, B.
Inst : Not given.
Title : Merinization of Sheep.

Orig Pub: Pol'oprivreda, 1957, No 11, 7-9.

Abstract: In Serbia, in 1956, 55,000 sheep were inseminated with the sperm of Merino rams; in 1957, 210,000 sheep; and in 1958 a total of 500,000 sheep will be inseminated with it. The article describes the selection of merinization regions, outlines the problems of preserving the hybrid offspring, and discusses the task of ensuring a supply of high-quality rams and veterinary sheep breeding measures. -- K. M. Lyutikov

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

VELICHKOVICH

YUGOSLAVIA/Pharmacology, Toxicology. Tranquilizers V-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23196

Author : Bogichevich, Velichkovich, Stanoev
Inst : Not Given
Title : Methods and Initial Results of Schisophrenia Treatment with Serpasil

Orig Pub : Srpski arkhiv tselok. lekar., 1957, 85, No 3, 283-292

Abstract : No abstract

Card : 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

CA

7

Colorimetric determination of iron. [illegible] *J. Applied Chem.* (U. S. S. R.) 12, 1425 (in French, 1426)(1939). -A light-fast colorimetric standard was prepd. from the $FeCl_3$ and $Co(NO_3)_2$ soln. contg. 5% HCl. Eleven tubes contg. 0.0175-0.00025 mg. of Fe were used as the standards for the colorimetric detn. of Fe by the thiocyanate method. A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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BC

B-III-3

Optimum reaction for refinery syrups. B. O. Lyubin and A. V. Vulfsonovski (Nauk. Zapiski Tzuk. Prom., 1932, 9, No. 15, 133—148).—Clarification of second sugar syrups at 75—80° is practicable at p_H 6·2—8·0. If the temp. is 85° the p_H should be approx. 7·0. Ch. Ana

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CA

7

Nephelometric determination of sulfur dioxide in air. I. I. Pletnik, A. V. Velichkovskii and I. O. Fridman *Ukrain. Khem. Zhur.* 10, 7-14(1935).—Thirty l. of air is bubbled through 50 cc. of 0.1 *N* NaOH; 2 cc. of 25% HCl and 5 cc. of 0.1 *N* $KMnO_4$ are added; the soln. is decolorized with 5% $NaNO_2$, $BaCl_2$ is added, and SO_2 is detd. nephelometrically. SO_2 (0.1 mg.) can be detd. with a mean error of 10-15%. B. C. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

Optimum reaction for refinery sirups. B. O. LYUBIN AND A. V. VELICHKOVSKII. *Nauk. Zapiski Tsukrovoi Prom.* 9, No. 15, 133–48(1932); *Facts About Sugar* 27, 253–4.—Solns. of 2nd sugars and low-grade sirups were warmed at different temps. and different p_H values. The alky. perceptibly fell on continued heating; thus, a soln. of p_H 8.1 became neutral (p_H 6.9–7.1) after 1 hour's heating. Second sugars of 95.6° purity, a color of 43° Stammer, and reactions of p_H 6.4–8.1 showed no noteworthy decompn of sucrose or increase of color after 3 hours' heating at 80°, but if, after such solns. had been stabilized at this temp., the alky. was increased above p_H 7, there was destruction of reducing substances and increase in color. Solns. with reactions between p_H 6.2 and 8.4 underwent no noteworthy change when heated 2 hrs. at 75°, but after 6–9 hrs at this temp. the more acid products showed an increase of reducing substances and the more alk. products an increase of color. Conclusion: The clarification of 2nd sugar sirups at 75–80° is practicable at reactions between p_H 6.2 and 8.0. If the temp. is raised to 85°, the reaction should be close to p_H 7.0. G. G.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

TRAKHTENBERG, I.M., dotsent; GUSLITS, I.G., zasluzhennyy vrach RSFSR; PAUSTOVSKAYA, V.V., kand.med.nauk; VELICHKOVSKIY, A.V., inzh.

Hygienic evaluation of mechanized casting in shell molds. Gig. i san. 24 no.10:52056 '59. (MIRA 13:1)

1. Iz Kiyevskoy gorodskoy sanitarno-epidemiologicheskoy stantsii i kafedry gigiyeny truda Kiyevskogo meditsinskogo instituta.
(AIR POLLUTION prev. & control)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4

GUSLITS, I.G.; VELICHKOVSKIY, A.V. (Kiyev)

Theoretical and practical conference on problems of industrial hygiene. Gig. truda i prof. zab. 4 no.3:57-58 Mr '60. (MIRA 15:4)

1. Gorodskaya sanitarno-epidemiologicheskaya stantsiya, Kiyev.
(INDUSTRIAL HYGIENE--CONGRESSES)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310019-4"