"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

BARAMBOYM, N.K., doktor khimicheskikh nauk, prof.; VEDENEYEVA, G.P., inzh.

Fastening of trimmings with adhesives. Nauch. trudy MTILP no.27: 188-190 '63. (MIRA 17:11)

1. Kafedra fizicheskoy khimii, kafedra kolloidnoy khimii i kafedra tekhnologii shveynykh izdeliy Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

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GUREVICH, V.R.; DALIN, M.A.; VEDENEYEVA, L.Ya.

Polymerization of ethylene on a chromia catalyst. Azerb.khim. zhur. no.6:37-43 '63. (MIRA 17:3)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

[illegible]

[illegible]

[illegible]

[illegible]

CITED SOURCE: [illegible]

TOPIC TAGS: polymer, absorption spectrum, [illegible] spectrum

TRANSLATION: The structures of a polymer of isobutylene and a copolymer of isobutylene with styrene used as viscous [illegible] that the infrared spectra [illegible]

Card 1/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

L 60893-65

ACCESSION NR: AR5018416

catalysts molecules of polymers are formed with less branching. A. Korobko

SUB CODE: OP, OC ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

DALIN, M.A.; SHENDEROVA, R.I.; VEDENEYEVA, L.Ya.; PIS'MAN, I.I.

Polymerization of ethylene on a chromium catalyst. Dokl. AN Azerb. SSR 14 no.12:991-996 '58. (MIRA 12:1)

1.Predstavleno akademikom AN Azerb. SSR M.F. Nagiyevym.
(Ethylene) (Polymerization)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

DALIN, M.A., akademik; VEDENEYEVA, L.Ya.; SHENDEROVA, R.I.

Polymerization of ethylene on a chromium oxide catalyst.
Dokl.AN SSSR 133 no.1:182-185 Jl '60. (MIRA 13:7)

1. Akademiya nauk AzerbSSR (for Dalin).
(Ethylene) (Polymerization)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

S/081/62/000/004/086/087
B102/B101

AUTHORS: Dalin, M. A., Shenderova, R. I., Pis'man, I. I., Bakhshizade, A. A., Vedeneyeva, L. Ya., Buniyat-zade, A. A.

TITLE: Synthesis of polyethylene and of copolymers of ethylene with propylene and α-butylene on an chromium oxide catalyst

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 669, abstract 4R128 (Azerb. khim. zh., no. 1, 1961, 17 - 22)

TEXT: Purification of ethylene (I) was carried out on a pilot-plant scale allowing for an increase in efficiency of the oxide-chromium oxide catalyst (COC) up to 176 - 250 g/g when I is polymerized in extraction benzine purified with sulfuric-acid, or in cyclohexane (120 - 130°C, 3 - 5 hrs, 45 at, COC concentration 0.13 - 0.25%). When ethylene is copolymerized with propylene (II) (6.7 - 15% by volume) (110 - 120°C, 40 at) in benzine in the presence of an $CaC_2$ activator (20% of the catalyst's weight), the efficiency of the COC is reduced to 68 - 135 g/g owing to the lower reactivity of II and to its incomplete purification. The copolymer

Card 1/2

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B102/B101

Synthesis of polyethylene and...

(CP) differs from the polymer of I by its lower crystallinity. The content of crystalline phase decreases with increasing polymerization temperature and increases with pressure. Polymer, melting point in °C, relative elongation in %, rupture strength in kg/cm$^2$, and solubility in n-heptane are enumerated: I, 128 - 130, 310 - 600, 260 - 300, 10 - 15; CP of I with II, 122 - 126, 720 - 1020, 170 - 220, 60 - 70; CP of I with α-butylene (2.5 - 4.5 vol%), 125 - 127, 500 - 800, 250 - 300, 30 - 40. [Abstracter's note: Complete translation.]

Card 2/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

L 39519-66 EWT(m)/T DJ

ACC NR: AR6014585 (A) SOURCE CODE: UR/0081/65/000/021/S043/S043

AUTHORS: Kuliyev, A. M.; Levshina, A. M.; Sadykhov, Z. A.; Vedeneyeva, L. Ya.

TITLE: Investigation of the synthesis of viscosity additives from oleic esters

SOURCE: Ref. zh. Khimiya, Abs. 21S264

REF SOURCE: Uch. zap. Azerb. un-t. Ser. khim. n., no. 3, 1964, 79-83

TOPIC TAGS: organic synthetic process, viscosity additive, catalytic polymerization, depolymerization, condensation reaction, oleic acid, ethylene glycol, lubricating oil / MK-8 lubricating oil, AzNII-8 viscosity additive

ABSTRACT: Polyesters (PE) were synthesized from ethylene glycol and methyl oleate dimer (D), and the products were tested as additives for lubricating oils, increasing the latter's viscosity. D was prepared by heating methyl oleate for 10—15 hours at 300C in the presence of 0.1—0.3% of anthraquinone. D was distilled at 178—180C/1—1.2 mm Hg. Molecular weight of D approximated the calculated one, acid number 12—25 mg KOH. Yield of D was 20—30%, based on the original ester. Condensation of D with 10% ethylene glycol was conducted in an $N_2$ atmosphere first at 120—130C, then at 200—225C for 40—45 hours in the presence of 0.1—1.5% (with respect to D) of p-toluene-sulfonic acid. The yield of the condensation product is 100%-based on D, molecular weight 1000—3000 (determined cryoscopically in benzene). Addition of 10% of PE to oil MK-8 increased the latter's viscosity from 2.76 to

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L 39519-66

ACC NR: AR6014585

3.7—5.3 centistokes at 100C, the viscosity index from 60 to 114—158.5. Heating of PE in oil for 12 hours at 200C lowers the viscosity index by 9—12%. High molecular weight PE depolymerizes to a greater degree. Depolymerization of PE in oil is decreased upon addition of 3% of AzNii-8 additives. Ye. Zambrovskaya [Translation of abstract]

SUB CODE: 11, 07

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

3

"Anode and Cathode Polarization Curves for Iron and Copper in Sulphate Solutions Containing Oxidizing Additions." S. D. Tomashov, G. P. Sin-Cheliakova, and M. A. Vedenyeva. (*Doklady Akad. Nauk S.S.S.R.*, 1948, 61, [illegible]). (In Russian). In potential measurements on Cu in NaCl and $Na_2SO_4$ (0.5 and 0.01 N) soln., the cathode depolarizing efficiency of $H_2O_2$ was found to be similar to that of O from the atmosphere, whereas the effect of addn. of $K_2Cr_2O_7$ to the soln. was negligible. N. B. V.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, M. A., TOMASHOV, N. D., and SINEL'SHCHIKOVA, G. P.

"Mechanism of the Corrosion of Copper Steels, Dokl. Ak. Nauk SSSR, 62, 105-8, 1948.

for abstract see card for TOMASHOV, N. D.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, M. A., SINEL'SHCHIKOVA, G. P. , TOMASHOV, N.D.,

"The Mechanism of Corrosion of Copper Steels," Zhur. Fiz. Khim., 23, 289-303,1949. 1949.

Steel (I) contg. 0.8% Cu (and C 0.07, Mn 0.21, Si 0.065, S 0.020, P 0.022%) iis corroded in $H_2O$ and dil. $H_2O_2$less than steel (II) contg. 0.1% Cu. The rate v of corrosion of Ii increases with the concn. of H O (up to 0.5 N), while v of I has a max at 0.01 N.

for more of abst. see card for Tomashov, N. D.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

USSR/ Chemistry - Metal corrosion

Card 1/2 : Pub. 147 - 16/27

Authors : Shekhtman, V. Sh.; Vedeneyeva, M. A.; and Zhuk, N. P.

Title : The kinetics of intercrystalline corrosion of Cr-Ni stainless steel

Periodical : Zhur. fiz. khim. 28/12, 2199-2210, Dec 1954

Abstract : Experiments were conducted to determine the kinetics of intercrystalline destruction (corrosion) of Cr-Ni stainless steel and to determine the effect of various factors (composition and concentration of corrosion medium, titanium content, cold deformation, temperature and period of annealing, etc.) on the corrosion resistance of the steel. The presence of Ti in the steel was found to reduce the rate of its intercrystalline corrosion. A Ti content exceeding that of C eliminates the intercrystalline corrosion in the steel. Cold deformation prior to brief annealing (5 - 10 min) at 650° C reduces the intercrystalline corrosion tendency of the steel. The data regarding the kinetics of intercrystalline corrosion of the tested steel are given in graphs.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

Zhur. fiz. khim. 28/12, 2199-2210, Dec 1954 (Additional Card)

Card 2/2

Abstract : Eighteen references ; 10 USSR: 1 English; 1 German and 6 USA (1930-1952). Tables; diagrams; drawings; illustrations.

Institution : The I. V. Stalin Steel Institute, Moscow

Submitted : April 28, 1954

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

Vedeneyeva, M. A.

AUTHORS: Vedeneyeva, M. A., Panov, A. V., and Tomashov, N. D.

TITLE: Detection of Intercrystalline Corrosion through Measurement of Internal Friction (Opredeleniye mezhkristallitnoy korrozii putem izmereniya vnutrennego treniya)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, No. 1, pp. 64-67 (U.S.S.R.)

ABSTRACT: The basis of this study in the detection of intercrystalline corrosion is that such corrosion changes the physical properties of specimens of steel, such as electrical resistance, etc. Change in the condition of the faces of metal specimens is also accompanied by increase in internal friction. Shock-absorption capacity of cylindrical forms changes and can be detected. In the experiments the internal corrosion is effected by boiling in solutions containing 110 g.$CuSO_4.5H_2O$ and 55 ml.$H_2SO_4$ (Sp. Wt. 1.84) to 1 ltr. of $H_2O$ (2). Before and after exposure internal friction is measured and comparison is made with the change in electrical resistance also. The authors describe the steps in the experiment, provide formulas for the mathematical calculations, and illustrations, namely: diagram of vibrator, tables showing chemical composition of

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Detection of Intercrystalline Corrosion through Measurement of Internal Friction

steels studied and percentages of the changes in their characteristics from exposure to the solution, graph showing changes of various indicators or corrosion in 1X18H9 and 0X18H9 steels. There are 5 references, of which 3 are Slavic.

ASSOCIATION: Moscow Steel Institute (Moskovskiy institut stali)

PRESENTED BY:

SUBMITTED:

AVAILABLE:

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, M. A.

AUTHOR TOMASHOV, N.D., VEDENEYEVA, M.A., VASIL'YEVA, Z.I. 32-6-12/54

TITLE The Electro-Chemical Method for the Determination of Anticorrosive Strength in Welding Joints of Alloyed Steels. (Elektrokhimicheskiy metod opredeleniya korrozionnoy stoykosti svarnykh soyedineniy nizkolegirovannykh staley -Russian)

PERIODICAL Zavodskaya Laboratoriya, 1957, Vol 23, Nr 6, pp 683-686 (U.S.S.R.)
Received 7/1957 Reviewed 8/1957

ABSTRACT For the determination of the anticorrosive strenght of deeply alloyed steels in welding joints as well as in those parts which are untouched by welding the application of the electrochemical method is recommended. This method is based upon the ratio of the electrochemical potentials in various zones of the welded steel object. The welding joint in contact with electrolyte forms a multi-electrode macrogalvanic element, the electrodes of which are: basic metal, welding seams, zones of thermal effect and zones of maximum voltage concentrations. Nonuniformity of the voltage distribution etc. caused by chemical as well as structural differences are formed on the metal surface of microgalvanic pairs, which served as research objects. Such experiments could prove to be dangerous if the anode of the welding seam becomes ground metal. In this case the tendency of the welding seam to corrode may be increased automatically, which, however, is die to the time taken by the experiment. An early determination of anticorrosive strenght

Card 1/2

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32-6-12/54

The Electro-Chemical Method for the Determination of Anticorrosive Strenght in Welding Joints of Alloyed Steels.

is described by the paper and the peculiarities are dealt with in detail.
(With 6 illustrations).

ASSOCIATION
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AVAILABLE Library of Congress.
Card 2/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

L 34393-66 EWT(m)/EWP(t)/ETI IJP(c) JD/WB

ACC NR: AP6003322 SOURCE CODE: UR/0365/66/002/001/0063/0066

AUTHOR: Yershova, N. I.; Vedeneyeva, M. A.; Sergeyeva, G. G.

ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov)

TITLE: Anodic behavior of 1Kh21N5T steel

SOURCE: Zashchita metallov, v. 2, no. 1, 1966, 63-66

TOPIC TAGS: austenitic steel, corrosion resistance, metal heat treatment, intergranular corrosion, steel/ Kh18N10T steel, 1Kh21N5T steel

ABSTRACT: An investigation was made of the effect of heat treatment on the corrosion resistance of two-phase austenite-ferrite 1Kh21N5T steel (0.11% C, 5.34% Ni, 20.77% Cr, and 0.77% Ti) in comparison with that of austenitic Kh18N10T steel, containing 0.09% C, 10.78% Ni, 18.0% Cr, and 0.42% Ti. The samples were tested (1) after quenching from 1050C (industrial treatment during production of sheet steel), (2) after quenching from 1050C and subsequent annealing for 1 hr at 650C, and (3) after quenching from 1300C, creating in the steel structures that can possibly be formed during welding. The anode polarization curves in 1 N $H_2SO_4$ were taken by using the potentiostatic method for determining the passivation and resistance to corrosion of the two-phase 1Kh21N5T steel in the passive state. The curves were taken in 0.5 N NaCl at 25C to determine the stability of the passive state in the presence of Cl ions. In addition,

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ACC NR: AP6003322

corrosion tests were made in 1 n $H_2SO_4$ for 10 hr at 25C. The intergranular corrosion was studied by the AM method (according to instructions GOST 6032-58) in a solution of $CuSO_4 + H_2SO_4$ + Cu (shavings). The polarization curves were taken with 40 x 5 x 1-mm samples, and corrosion tests with 50 x 20 x 1-mm samples. Annealing at 600C decreased the corrosion resistance of both steels in 1 N $H_2SO_4$ and 0.5 N NaCl without causing a tendency toward intergranular corrosion detectable by standard methods. Quenching of 1Kh21N5T steel (Kh8N10T steel was not subjected to this test) from 1300C decreased its resistance to corrosion in the same media and increased its tendency to intergranular corrosion. The corrosion resistance of austenite-ferrite 1Kh21N5T steel was lower than that of austenite Kh18N10T steel under the testing conditions; 1kh21N5T steel passivated less efficiently than Kh18N10T steel. Annealing impeded the passivation of 1Kh21N5T steel to a larger degree than it did the passivation of Kh8N10T steel. Orig. art. has: 2 fig. and 2 tables.

SUB CODE: 13/ SUBM DATE: 26Mar65/ ORIG REF: 004

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

YERSHOVA, N.I.; VEDENEYEVA, M.A.; SERGEYEVA, G.G.

Anodic behavior of 1Kh21N5T steel. Zashch. met. 2 no.1:63-66 Ja-F '66. (MIRA 19:1)

1. Moskovskiy institut stali i splavov. Submitted March 26, 1965.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

L 5218-66 EWT(m)/EPF(c)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) IJP(c) JD/WB

ACCESSION NR: AP5022652 UR/0365/65/001/005/0465/0472
669.14.018.7

AUTHOR: Knyazheva, V. M.; Vedeneyeva, M. A.; Said Yesel'din Khalil'; Kolotyrkin, Ya. M.

TITLE: Electrochemical study of the influence of C, Ti, and Mn on the corrosion resistance of Cr-Ni-Mn steels. I. Anodic behavior

SOURCE: Zashchita metallov, v. 1, no. 5, 1965, 465-472

TOPIC TAGS: corrosion resistant steel, corrosion resistant alloys, passivator additive, anodic oxidation

ABSTRACT: The effect of lowering Ni content, while raising the Mn content, on the anodic behavior of 1Kh18N9T steels was studied. Further, the effects of heat-treatment, and varying C and Ti contents (Ti:C ranging from 3.9 to 6.5) were noted. Chemical composition, post heat-treatment microstructures and tendencies toward intercrystalline corrosion are tabulated for five steels of composition ranging as follows: Cr (16.3-18.4%), Ni (4.8-8.9%), Mn (trace-10.3%), Ti (trace-0.52%) and C (trace-0.13%). Only 1Kh18N9T steel exhibits a tendency to intercrystalline corro-

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ACCESSION NR: AP5022652

sion. These steels were heat-treated by quenching in water from 1100°C, and tempering at 650°C for two hours. Anodic polarization curves (potential, $\phi$ vs. negative log of the current density $i$-amp/cm$^2$ are presented). The samples, 6 × 0.7 × 0.06 cm, were hermetically sealed in glass tubes containing 1.0 N $H_2SO_4$ with a nitrogen atmosphere; the measurements were made at 20 and 70°C. These cells were measured relative to normal water electrodes by means of an electronic potentiostat. These curves show that the lowering of *nickel* content to 5% in stainless steels of type Kh18N9 while increasing Mn content to 10%, does not influence the speed of dissolution of the steels in a wide range of potentials (from -0.05 to 1.35 volts), indicating a stable passive condition. However, the increase in Mn content leads to an increase in the critical current of passivation. In the region of secondary passivation, the speed of dissolution of Cr-Ni-Mn steels decreases with potential, which is more for steels with higher Mn content. The phenomenon appears to be associated with anodic oxidation of the Mn. The Cr-Ni-Mn steels which have the austenitic-ferritic structures are more resistant to intercrystalline corrosion. It is concluded that intercrystalline corrosion can be better controlled in steels by lowering the carbon content C, rather than depending on Ti stabilization, since in the latter case there is a shortened region of stable passivation. Orig. art. has: 4 figures, 1 table.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

L 5218-66
ACCESSION NR: AP5022652

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni L. Ya. Karpova (Scientific Research Physicochemical Institute)

44,55

SUBMITTED: 25May65 ENCL: 00 SUB CODE: MM

NO REF SOV: 009 OTHER: 011

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

KNYAZHEVA, V.M.; KOLOTYRKIN, Ya.M.; VEDENEYEVA, M.A.; RAMAZANOVA, R.S.

Use of the potentiostatic method for investigating the intercrystalline corrosion of austenite chromium-nickel steels. Khim. prom. no.5:381-390 My '64. (MIRA 17:9)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

S/081/62/000/001/035/067
B102/B101

18.1110

AUTHORS: Kravchenko, T. G., Vedeneyeva, M. A., Rakhovskaya, F. S.

TITLE: Etching of ЭИ811 (EI811) austenite-ferrite steel

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 309, abstract 1I215 (Sb. "Korroziya i zashchita konstrukts. metallich. materialov". M., Mashgiz, 1961, 72-92)

TEXT: In order to prevent the formation of a friable metallic film at the surface of steel EI811 it is recommended to etch the steel in a solution of 10% $HNO_3$ + 4% HF at 20 and 40°C. Etching in this solution reduced the number of operations by making it superfluous to process in an alkaline melt and to refine in $HNO_3$. Measures for the avoidance of metal rejects are proposed. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

33840
S/137/62/000/001/182/237
A006/A101

18.8380

AUTHORS: Vedeneyeva, M.A., Tomashov, N.D.

TITLE: Corrosion of 1X18H9 (1Kh18N9) steel in sulfuric-acid solutions of $CuSO_4$

PERIODICAL: Referativnyy zhurnal.Metallurgiya, no. 1, 1962, 81, abstract 1I572 (V sb. "Korroziya i zashchita konstrukts. metallich. materialov", Moscow, Mashgiz, 1961, 108 - 115)

TEXT: Grade 1Kh18N9 steel was tested to intercrystalline corrosion in a boiling sulfuric acid solution of $CuSO_4$. Uniform corrosion of the steel was determined from weight losses, and intercrystalline corrosion from changes in electric resistivity due to corrosion. The measure of intercrystalline corrosion was the ratio $\Delta\rho/\rho \approx S_2/S$, where $\Delta\rho = \rho - \rho_1$; $\rho$ is the specific resistance of the corroded specimen; $\rho_1$ is the specific dielectric resistance of metal prior to corrosion; $S_2$ is the cross-sectional surface of the specimen affected by intercrystalline corrosion; S is the total cross-sectional surface of the specimen. Increased concentration of $H_2SO_4$ in a boiling sulfuric acid solution of $CuSO_4$ causes the rise of intercrystalline corrosion, and the addition of $CuSO_4$ reduces the same.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

33840

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A006/A101

Corrosion of ...

The time until the appearance of intercrystalline corrosion is noticeably reduced when Cu-metal is added into the $CuSO_4 + H_2SO_4$ solution. There are 11 references.

Ye. Layner

[Abstracter's note: Complete translation]

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Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

S/137/61/000/011/107/123
A060/A101

AUTHORS: Kravchenko, T. G., Vedeneyeva, M. A., Rakhovskaya, F. S.

TITLE: Pickling of austenitic-ferritic steel ЭИ 811 (EI811)

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 11, 1961, 56, abstract 11I365 (V sb.: "Korroziya i zashchita konstrukts. metallich. meterialov". Moscow, Mashgiz, 1961, 72 - 92)

TEXT: The formation of the metallic film on the surface of steel EI811 when it is being pickled by the alkali-acid method occurs in the acid stage of the pickling. On the basis of the work carried out, it is possible to recommend the pickling of the steel in a solution of 10% $HNO_3$ + 4% NaF at 20 and 40°C in order to prevent the formation of a loose metallic film on the surface of the EI811 steel. Pickling in that solution reduces the number of operations, eliminating the treatment in the alkali solution and the bleaching in $HNO_3$. The duration of pickling at 20°C does not exceed the duration of the pickling by the alkali-acid method, and at a temperature equal to 40°C the pickling time is reduced by a factor of three. In order to prevent metal spoilage in the course of pickling by the alkali-acid method, the following measures are recommended: a) the intro-

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A060/A101

Pickling of austenitic-ferritic steel ЭИ 811 (EI811)

duction of corrosion inhibitors ЧМ and ПБ5 (ChM and PB5) into the acids at the acid pickling stage and strict observance of the time-schedule of their introduction; b) the use of 18% HCl at the acid pickling stage; c) raising the steel hardening temperature and increasing the holding duration of heating for hardening; d) strict observance of the acid pickling time schedule (holding over of the metal in the acid vat may lead to the formation of films). There are 8 references.

Ye. Layner

[Abstracter's note: Complete translation]

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32330
S/081/61/000/024/040/086
B117/B147

AUTHORS: Vedeneyeva, M. A., Tomashov, N. D.

TITLE: Corrosion of 1X18H9 (1Kh18N9) steel in sulfuric acid solution of $CuSO_4$

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 307-308, abstract 24I209 (Sb. "Korroziya i zashchita konstrukts. metallich. materialov". M., Mashgiz, 1961, 108-115)

TEXT: The corrosive action of $H_2SO_4$ and $CuSO_4$ on Cr-Ni austenitic steel was examined in a number of solutions with different concentrations of $H_2SO_4$ (1, 5, 10, 15, and 20%) and $CuSO_4$ (0, 1, 5, 10, 15, and 20%). At all concentrations, no intercrystalline corrosion was observed in boiling $H_2SO_4$. The uniform corrosion rises with an increase of concentration. An addition of $CuSO_4$ sharply reduces uniform corrosion and produces intercrystalline corrosion. This is attributable to the fact that the separating contact copper, being an effective cathode, increases the anodic

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Corrosion of 1X18H9 ...

polarization of the steel, thus leading to anodic passivity. The aggressiveness of the solution rises with an increase of acid concentration. Intercrystalline corrosion is observable in 5 and 10% $H_2SO_4$ at any $CuSO_4$ concentration from 1 to 20%. 1% $CuSO_4$ is sufficient to develop granular passivity. The latter is, however, no more ensured by 20% $CuSO_4$, although a slight intercrystalline destruction is observable only after a 103-hr test in 5% acid with 15 and 20% $CuSO_4$. An intercrystalline destruction depth of the order of 0.03 mm can be reached by keeping the steel sample in a boiling 10% $CuSO_4$ solution with 20% $H_2SO_4$ for 6 minutes, with 15% $H_2SO_4$ for 10.5 minutes, with 10% $H_2SO_4$ for 1.3 hr, and with 5% $H_2SO_4$ for 103 hr. No intercrystalline corrosion was, however, observed within 100 hr in a solution of 10% $CuSO_4$ and 1% $H_2SO_4$. The grain boundaries are chiefly corroded at a potential that is sufficient for passivating the grain but not for passivating the boundary. The most intense intercrystalline corrosion is observable in solutions with a steel

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Corrosion of 1X18H9 ...

potential not higher than 600 mv. To find out the tendency of steel toward intercrystalline corrosion, solutions of varying aggressiveness can be chosen by changing the content of $H_2SO_4$ and $CuSO_4$ according to the purpose of the investigation. An increase of the $CuSO_4$ content reduces the aggressiveness of the solution, whereby the time elapsing up to intercrystalline destruction is prolonged. An increase of the $H_2SO_4$ content increases the rate of intercrystalline corrosion. At an increase of the $H_sSO_4$ concentration $>10\%$, $CuSO_4$ additions of less than 5% should not be used to prevent uniform corrosion. The occurrence of intercrystalline corrosion can be speeded up by about 5 times by etching the samples, and not polishing them with emery paper, before the test. [Abstracter's note: Complete translation.]

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32624
S/137/61/000/011/102/123
A060/A101

18.8300

AUTHORS: Vedeneyeva, M.A., Tomashov, N.D.

TITLE: Effect of deformation upon the intercrystalline failure of nichrome steel

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no.11, 1961, 48-49, abstract 11I323 (V sb. "Korroziya i zashchita konstrukts. metallich. materialov", Moscow, Mashgiz, 1961, 116 - 126)

TEXT: The authors studied the effect of deformation caused by cold rolling and dressing of the surface by emery paper upon the intercrystalline failure of Cr-Ni steel. The steels 0Х18Н9, 1Х18Н9, and Х23Н23М3Д3 (0Kh18N9, 1Kh18N9, and Kh23N23M3D3) were tested. The cold deformation (rolling) with degrees of reduction 20-60% was carried out both before and after tempering at 650°C for 2 hours. As result of the treatment the tendency of these steels to intercrystalline failure is reduced. This is related to the fact that in the process of deforming along the cleavage planes carbides and the $\alpha$-phase separate out. The carbide phase which is precipitated in the course of tempering and deformation, separates out on a great area and its concentration is reduced. As result of this,

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Effect of deformation ...

the corrosion resistance of the boundaries increases. The deformation of steel before tempering (in the zone of dangerous temperatures) lowers the tendency to intercrystalline corrosion in a greater degree than does deformation after tempering. Cold deformation before tempering at 650° entirely eliminates the tendency of steel Kh23N23M3D3 to intercrystalline cracking under reductions of 21 - 60%, and that of steels 0Kh18N9 and 1Kh18N9 - under reductions of 49 and 58% respectively. The rate of intercrystalline etching of specimens of steel 1Kh18N9 with etched surface notably exceeds the corrosion rate of the specimens dressed with emery paper. There are 10 references.

Ye. Layner

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

S/137/61/000/012/137/149
A006/A101

AUTHORS: Mil'vidskiy, M. G., Ignatova, Z. I., Vedeneyeva, M. A., Titov, V. A., Kikut, A. V.

TITLE: The use of urotropine to inhibit corrosion of steel equipment in ammonium chloride production

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1961, 53-54, abstract 12I400 (V sb. "Korroziya i zashchita konstrukts, metallich. materialov", Moscow, Mashgiz, 1961, 245-253)

TEXT: The authors studied corrosion behavior of 1X18H9T (1Kh18N9T), X17 (Kh17), 1X13 (1Kh13) steel grades and Armco-Fe in a $NH_4Cl + Na_2SO_4$ solution. The possibility is shown of using 1Kh18N9T, Kh17 and Kh13 steels under the given conditions as sufficiently corrosion-resistant construction materials for the equipment. The use of urotropine as a corrosion inhibitor in the given media (at pH 6-8) is not effective for stainless steels. When large amounts of urotropine are added (up to 1%) the corrosion rate of the steels investigated drops by not over 2.5 times. The addition of urotropine in an insufficient amount may on the other hand entail a corrosion rate increase for Kh17, 1Kh13, and 1Kh18N9T

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The use of urotropine to inhibit corrosion ...

steel. The corrosion process proceeds with mixed cathode-anode control for stainless steels when using an evaporating apparatus, and with cathode control for grade 3 steel. The nature of the dependence of the corrosion rate on urotropine concentration and the effect of urotropine admixtures on electrode potentials and kinetics of electrode processes, lead to the assumption that urotropine is a mixed corrosion inhibitor under service conditions of an evaporation apparatus. There are 7 references.

Ye. Layner

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

S/123/61/000/020/023/035
A004/A101

AUTHORS: Mil'vidskiy, M. G., Ignatova, Z. I., Vedeneyeva, M. A., Titov, V. A., Kikut, V. A.

TITLE: Using urotropine for the inhibition of corrosion of steel apparatus in the production of ammonium chloride

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1961, 96, abstract 20B620 (V sb. "Korroziya i zashchita konstrukts. metallich. materialov", Moscow, Mashgiz, 1961, 245-253)

TEXT: The authors present the results of investigating the corrosion resistance of various steel grades - 1X18H9T (1Kh18N9T), X17 (Kh17), 1X13 (1Kh13) - and Armco iron in the production of $NH_4Cl$ and also the possibility of using under these conditions urotropine as corrosion inhibitor. It was proved that the steel grades 1Kh18N9T, Kh17 and 1Kh13 possess a sufficiently high corrosion resistance and are suitable for apparatus in the production of ammonium chloride. The use of urotropine under the mentioned conditions, at a pH-value of the medium ($NH_4Cl$ + $Na_2SO_4$) of 6 - 8, is not efficient. The addition of great quantities of urotropine does not reduce the corrosion rate of the mentioned

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steel grades by more than a factor of 2.5. Small urotropine additions might even lead to an increase in the corrosion rate of the steel grades 1Kh18N9T, Kh17 and 1Kh13. The corrosion process in the evaporator is taking place for stainless steels with a mixed cathode - anode control, and for the Ст.3 (St.3) steel grade with cathode control. The nature of the dependence of the corrosion rate on the urotropine concentration and the effect of urotropine additions on the electrode potential and the kinetics of the electrode process makes it possible to assume that, under the operation conditions of the evaporator, urotropine is a mixed corrosion inhibitor.

N. Savina

[Abstracter's note: Complete translation]



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PHASE I BOOK EXPLOITATION SOV/5544

Tomashov, N. D., Doctor of Chemical Sciences, Professor, ed.

Korroziya i zashchita konstruktsionnykh metallicheskikh materialov; sbornik statey (Corrosion and Protection of Constructional Metals; Collection of Articles) Moscow, Mashgiz, 1961. 258 p. Errata slip inserted. 10,000 copies printed.

Ed. of Publishing House: N.P. Yevstaf'yeva; Tech. Ed.: G.V. Smirnova; Managing Ed. for Literature on Chemical and Textile Machine Building: V.I. Rybakova, Engineer.

PURPOSE: This collection of articles is intended for scientific and technical personnel concerned with the corrosion and protection of metals.

COVERAGE: The collection deals with problems of the corrosion of constructional metals in various environments and conditions. Articles discuss new methods for the investigation and testing of corrosion and give results of recent research conducted on the corrosion and protection of metal constructions. The corrosion of some new alloys is also considered. The collection includes articles generalizing the results of research conducted during the last 2-3 years in the Department for Corrosion of Metals of the Moskovskiy institut stali (Moscow Steel Institute). Some of the articles were written in cooperation with the laboratory staffs of the "Serp i molot" Plant and Khimicheskiy zavod im. M.I. Kalinina (Chemical Plant imeni M.I.Kalinin) and are based on investigations conducted at these plants. No personalities are mentioned. There are 219 references, Soviet and non-Soviet. References accompany each article.

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VEDENEYEVA, V.A., Cand Tech Sci -- (diss) "Intercrystalline corrosion of austenite chrome-nickel steel of the type X18N9." Mos, 1958, 13 pp (Min of Higher Education USSR. Mos Order of Labor Red Banner Inst of Steel im I.V.Stalin) 120 copies (KL, 27-58, 108)



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18(7): 25(1) PHASE I BOOK EXPLOITATION SOV/3133

Korroziya i zashchita staley; sbornik statey (Corrosion and Protection of Steel: Collection of Articles) Moscow, Mashgiz, 1959. 233 p. 7,000 copies printed.

Ed.: N.D. Tomashov, Doctor of Chemical Sciences, Professor; Reviewers: A.A. Zhukhovitskiy, Doctor of Chemical Sciences, Professor, and K.S. Ponomareva, Docent; Ed. of Publishing House: Ya.G. Alaverdov; Tech. Ed.: S.M. Popova; Managing Ed. for Literature on Machine and Instrument Construction: N.V. Pokrovskiy, Engineer.

PURPOSE: This book is intended for scientific and technical personnel concerned with questions of the corrosion and protection of metals.

COVERAGE: The articles in this collection deal with the corrosion of steels in corrosive environments, investigation of the effect of various factors on corrosion, and methods of protecting steels from gas and electrochemical corrosion. Special attention is given to new methods of investigation. A number of the articles give the results of studies made under operating conditions. New data, obtained by the Department of Metal Corrosion, Moskovskiy institut stali (Moscow Institute of Steel), are published here for for the first time. Four articles are the result of work conducted jointly at the laboratories of the Moskovskiy metallurgicheskiy zavod "Serp i molot" (Moscow Metallurgical Plant "Serp i molot") and the Khimicheskiy zavod imeni M.I. Kalinina (Chemical Plant imeni M.I. Kalinin). Most of the articles contain practical recommendations on the protection of metals from corrosion. No personalities are mentioned. References follow each article.

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VEDENEYEVA, M.A.

TOMASHOV, Nikon Danilovich. Prinimali uchastiye: TYUKINA, M.N.; PALEOLOG, Ye.N.; CHERNOVA, G.P.; MIKHAYLOVSKIY, Yu.N.; LUNEV, A.F.; TIMONOVA, M.A.; MODESTOVA, V.N.; MATVEYEVA, T.V.; BYALOBZHESKIY, A.V.; ZHUK, N.P.; SHREYDER, A.V.; TITOV, V.A.; VEDENEYEVA, M.A.; LOKOTILOV, A.A.; BERUKSHTIS, G.K.; DERYAGINA, O.G.; FEDOTOVA, A.Z.; FOKIN, M.N.; MIROLYUBOV, Ye.N.; ISAYEV, N.I.; AL'TOVSKIY, R.M.; SHCHIGOLEV, P.V.. YEGOROV, N.G., red.izd-va; KUZ'MIN, I.F., tekhn.red.

[Theory of the corrosion and the protection of metals] Teoriia korrozii i zashchity metallov. Moskva, Izd-vo Akad.nauk SSSR, 1959. 591 p. (MIRA 13:1)

(Corrosion and anticorrosives)

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VEDENEYEVA, M.A.

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18(7); 25(1) PHASE I BOOK EXPLOITATION SOV/3133

Korroziya i zashchita staley; sbornik statey (Corrosion and Protection of Steel: Collection of Articles) Moscow, Mashgiz, 1959. 233 p. 7,000 copies printed.

Ed.: N.D. Tomashov, Doctor of Chemical Sciences, Professor; Reviewers: A.A. Zhukhovitskiy, Doctor of Chemical Sciences, Professor, and K.S. Ponomareva, Docent; Ed. of Publishing House: Ya.G. Alaverdov; Tech. Ed.: S.M. Popova; Managing Ed. for Literature on Machine and Instrument Construction: N.V. Pokrovskiy, Engineer.

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Moskovskiy institut stali (Moscow Institute of Steel), are published here for for the first time. Four articles are the result of work conducted jointly at the laboratories of the Moskovskiy metallurgicheskiy zavod "Serp i molot" (Moscow Metallurgical Plant "Serp i molot") and the Khimicheskiy zavod imeni M.I. Kalinina (Chemical Plant imeni M.I. Kalinin). Most of the articles contain practical recommendations on the protection of metals from corrosion. No personalities are mentioned. References follow each article .

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Corrosion and Protection of Steel (Cont.) SOV/3133

Andreyeva, V.G. [Engineer], P.V. Strekalov [Engineer], and M.A. Vedeneyeva.
Corrosion Resistance of 1Kh18N9T-steel Welded Joints 228

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SOV/137-58-12-24860

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 123 (USSR)

AUTHORS: Vedeneyeva, M. A., Tomashov, N. D.

TITLE: Changes in the Internal Friction and the Frequency of the Natural Oscillations of Specimens of Kh18N9 Steel During Intercrystalline Corrosion (Izmeneniye vnutrennego treniya i chastoty sobstvennykh kolebaniy obraztsov stali tipa Kh18N9 pri mezhkristallitnoy korrozii)

PERIODICAL: Sb. Mosk. in-t stali, 1958, Vol 38, pp 483-494

ABSTRACT: The authors investigated the possibility of determining intercrystalline corrosion (IC) (in 0Kh18N9, 1Kh18N9, 1Kh18N9T, 2Kh18N9 and Kh23N23M3D3 steel) by measuring the internal friction (IF) by the method of plotting the resonance curve during excitation of transverse oscillations in the specimens and by the method of observing the damping of the amplitude of free torsional vibrations; also, by measuring the electric resistance of the specimens and $\sigma_b$. IC was produced by immersing the specimens in a boiling solution of 110 g $CuSO_4 \cdot 5H_2O$ and 55 cc $H_2SO_4$ (sp.gr. 1.84) in one liter of water. The authors show that with the progress of IC the IF of the specimens increases, the resonance frequency of the oscillations decreases, and the modulus of

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Changes in the Internal Friction and the Frequency of the Natural Oscillations (cont.)

elasticity calculated from the resonance frequencies also decreases. The changes in the resonance frequency, electric resistance, and strength are closely related. IF is a more sensitive indicator of IC and reduces corrosion-testing time. It also helps to discover minor intercrystalline decomposition. By testing the corrosion resistance of specimens of stainless steel in a sulfuric-acid solution of $CuSO_4$ and in nitric solution the authors demonstrate that the increase in IF is the result of the IC process, whereas both the change in the resonance frequency of oscillations and the electric resistance are the result of an overall effect of the general and the IC. The authors remark that for discovering IC by the IF method the most convenient technique is the forced-oscillation method which affords the use of smaller specimens and the testing of both flat and wire specimens. The authors establish the different processes of the intercrystalline decomposition of steel in acid $CuSO_4$ and $H_2SO_4$ solutions and in solutions containing $HNO_3$ (boiling 55% $HNO_3$ and 20% $HNO_3$ + 1% NaF).

P. S.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

SOV/137-58-11-23072

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 177 (USSR)

AUTHORS: Tomashov, N. D., Vedeneyeva, M. A., Gedgovd, K. N.

TITLE: Effect of Tensile Static and Alternating Stresses on the Corrosion of 1Kh18N9 Steel (Vliyaniye rastyagivayushchikh staticheskikh i znakoperemennykh napryazheniy na korroziyu stali 1Kh18N9)

PERIODICAL: Sb. Mosk. in-t stali, 1958, Vol 38, pp 574-583

ABSTRACT: Results of an investigation of the effect of the state of stress of 1Kh18N9 steel on its stability in a solution which causes intercrystalline corrosion while it is simultaneously subjected to tensile static and alternating loads.

N. L.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, M.A., assistent; TOMASHOV, N.D., prof.

Changes of internal friction and natural oscillation frequency in type Kh18N9 steel specimens under the effect of intercrystalline corrosion. Sbor. Inst. stali no.38:483-494 '58. (MIRA 11:8)

1. Kafedra korrozii metallov Moskovskogo instituta stali im. Stalina.

(Chromium-nickel steel--Corrosion)
(Friction --Testing)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

TOMASHOV, N.D., prof., doktor khim. nauk; VEDENEYEVA, M.A., assistent; GEDGOVD, K.N., inzh.

Effect of tensile static and alternating stress on the corrosion of 1Kh18N9 steel. Sbor. Inst. stali no.38:574-583 '58. (MIRA 11:8)

1. Kafedra korrozii metallov Moskovskogo instituta stali im. Stalina.
(Chromium-nickel steel--Corrosion)
(Strains and stresses)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

TOMASHOV, Nikon Danilovich; ZHUK, Nikolay Platonovich; TITOV, Vasiliy Alekseyevich; VEDENEYEVA, Mariya Aleksandrovana; EL'KIND, L.M., red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Laboratory work on the protection of metals from corrosion] Laboratornye raboty po korrozii i zashchite metallov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 239 p. (MIRA 14:7)
(Metals--Corrosion)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

KNYAZHEVA, V.M.; VEDENEYEVA, M.A.; SAID YESEL'DIN KHALIL'; KOLOTYRKIN, Ya.M.; Prinimala uchastiye; SUMAKOVA, I.S., studentka

Electrochemical study of the effect of the content of carbon, titanium, and manganese on the corrosion resistance of chromium-nickel-manganese steels. Zashch. met. 1 no.5:465-472 S-O '65. (MIRA 18:9)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni L.Ya. Karpova, Moskva (for all except Sumakova). 2. Moskovskiy institut stali i splavov (for Sumakova).

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, N.

**Interference method of determining refractive index with a microscope.** N. Vedeneeva, S. Grum-Grzhimallo and A. Volkov. *Acta Physicochim. U. R. S. S.* 5, 391-404 (1936).—Details are given, and the application of the method to the detn. of $n$ of mixts. of $AsI_3$ or $SbI_3$ and piperine and of S and Se is described. B. C. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

FEDOROVICH, Ye.F., VEDENEYEV, N.A., ZOKHRE, S.A.

Obtaining rutin from Japanese sophora. Med.prom.12 no.10:33-35 (MIRA 11:11)

1. Tashkentskiy khimiko-farmatsevticheskiy zavod.
(RUTIN)
(SOPHORA)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

KHOTYANOVICH, A.V.; VEDENEYEVA, N.A.

Effect of the herbicide 2,4-D on the proteins of pea sprouts. Fiziol.rast. 12 no.1:158-163 Ja-F '65. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii, Leningrad.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

PHASE I BOOK EXPLOITATION SOV/3673

Vedeneyev, Nikolay Petrovich, Aleksandr Ivanovich Volchenkov, and Vasiliy Dmitriyevich Korsakov

Vyrubnyye shtampy, armirovannyye tverdym splavom, i tekhnologiya ikh izgotovleniya (Manufacture of Sintered-Carbide Blanking Dies) Leningrad, 1958. 67 p. (Series: Informatsionno-tekhnicheskiy listok, no. 28-31, Electricheskiye metody obrabotki materialov) 6,200 copies printed.

Sponsoring Agencies: Leningrad. Dom nauchno-tekhnicheskoy propagandy and Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Ed.: Sh. D. Achkinadze, Engineer; Tech. Ed.: V. L. Gvirts.

PURPOSE: This booklet is intended for metal-cutting machine-tool operators, tool- and diemakers, and mechanical engineers and designers.

COVERAGE: The book deals with the use of carbide inserts in blanking dies. Increases in wear resistance and die life made possible by the use of such inserts are discussed. Manufacturing techniques and special methods of die construction are presented. A description is given of the use of

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Manufacture of Sintered Carbide Blanking Dies SOV/3673

carbide dies for blanking stator plates and other elements of electrical equipment. No personalities are mentioned. There are 6 references: 5 Soviet and 1 German.

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1. Typical Die Constructions 4
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3. Results of the Use of Carbide Dies Under Production Conditions 63
4. Estimation of the Economic Effect 64
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PHASE I BOOK EXPLOITATION SOV/4535

Vsesoyuznyy sovet nauchno-tekhnicheskikh obshchestv

Mezhkristallitnaya korroziya i korroziya metallov v napryazhennom sostoyanii (Intercrystalline and Stress Corrosion of Metals) Moscow, Mashgiz, 1960. 358 p. 3,000 copies printed.

Ed.: I.A. Levin, Candidate of Technical Sciences; Ed. of Publishing House: I.I. Lesnichenko, Engineer; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on Metalworking and Instrument Making (Mashgiz): V.V. Rzhavinskiy, Engineer; Editorial Board: I.A. Levin, Candidate of Technical Sciences (Chairman), V.P. Batrakov, Candidate of Technical Sciences, V.M. Nikiforova, Candidate of Technical Sciences, and A.V. Turkovskaya, Candidate of Technical Sciences.

PURPOSE: This collection of articles is intended for technical personnel concerned with problems of corrosion of metals.

COVERAGE: The collection contains discussions of intercrystalline corrosion of stainless steels and stress corrosion of carbon steels, low-alloy and stainless steels, and light-weight and nonferrous alloys. The tendency of steels of various composition and system to corrode under certain conditions is discussed and the nature of corrosion and corrosion cracking is analyzed. No personalities are mentioned. Most of the articles are accompained by bibliographic references, the majority of which are Soviet.

II. INTERCRYSTALLINE CORROSION OF STAINLESS STEELS


Cheskis, Kh. I., Candidate of Technical Sciences, S.I. Vol'fson, and Yu. S. Medvedev, Engineer. Effect of Slow Heating on the Tendency of 1Kh18N9T Steel Toward Intercrystalline Corrosion 27

Khimushin, F.F., Candidate of Technical Sciences, and L.F. Istrina, Junior Scientific Worker. Study of the Tendency of the 0Kh18N9, 1Kh18N9, and 1Kh18N9T Types of Chromium-Nickel Steels Toward Intercrystalline Corrosion 45

Medvar, B.I., N.A. Lanzer, and M.M. Kurtepov, Candidates of Technical Sciences. Intercrystalline Corrosion Concentrated Along the Fusion Line of Welded Joints of the 18-8 Type Stabilized Steels ("Knife"-Type Corrosion) 59

Levitin, M.N., and L.V. Mironov. Effect of the Electric Heating of the 1Kh18N9T Steel on the Processes Determining Its Resistance to Intercrystalline Corrosion 71

Devlicvskaya, Ye. A., Candidate of Technical Sciences, L.P. Kastel', Engineer, and Ye. I. Urugina, Candidate of Technical Sciences. Effect of the Heat Treatment of Some Stainless Steels on Their Tendency Toward Intercrystalline Corrosion 79

Talov, N.P., Engineer. Intercrystalline Sea-Water Corrosion of Austenitic High-Strength Steels 92

Shvarts, G.L., Candidate of Technical Sciences, and Yu. S. Kuznetsova, Engineer. Intercrystalline Corrosion and Corrosion Cracking of Stainless High-Alloy Austenitic Steels 110

Lotova, Ye. V., Engineer. Tendency of Chromium-Nickel-Molybdenum-Copper Steels Toward Intercrystalline Corrosion 126

Babakov, A.A., Candidate of Technical Sciences. Development of Two-Phase Steels-An Effective Means of Increasing Stainless Steel Resistance to Intercrystalline Corrosion 145

Levin, I.A., Candidate of Technical Sciences. More on the Problem of the Causes of Stainless Steel Intercrystalline Corrosion 148

Vedeneyeva, M.A., Engineer, and N.D. Tomashov, Doctor of Chemical Sciences, Professor. Determining Intercrystalline Corrosion of Chromium-Nickel Austenitic Steels by Measuring the Internal Friction 152


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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

SHAPIRO, I.D.; KHOTYANOVICH, A.V.; VEDENEYEVA, N.A.

Physiological effect of frit fly larvae (Oscinosoma frit L.) on embryonic tissues of corn. Dokl. AN SSSR 140 no.4:978-980 O '61. (MIRA 14:9)

1. Vsesoyuznyy institut zashchity rasteniy. Predstavleno akademikom Ye.N.Pavlovskim.
(Frit flies) (Corn (Maize)--Diseases and pests)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, N.Ye/

Crystallography

Deceased

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ACC NR: AP6023011 (A) SOURCE CODE: UR/0167/66/000/002/0021/0024

48
B

AUTHOR: Rashidov, T.; Vedeneyeva, V. A.

ORG: Institute of Mechanics, AN UzSSR (Institut mekhaniki AN UzSSR); Computer Center, AN UzSSR (Vychislitel'nyy tsentr AN UzSSR)

TITLE: Study of the seimic stability of underground pipelines with elastically fastened ends

SOURCE: AN UzSSR. Izv. Ser tekhn n, no. 2, 1966, 21-24

TOPIC TAGS: seismicity, pipeline, structure dynamic stability, structure vibration, soil mechanics

ABSTRACT: This is a continuation of a previous investigation, the author's Candidate degree dissertation (T. Rashidov, Kand. diss., Tashkent, 1964), with the difference that it deals with pipelines having flexible joints at points of attachment to pumps, reservoirs and artesian wells as well as in areas with sharp variations of contour (on crossing of rivers, gullies, etc.). Accordingly, the previously derived formulas are now corrected to make an allowance for the vibrations of such pipelines in the event of earthquakes as a function of pipe diameter and soil conditions. It is shown that the greater the degree of flexibility of their joints is, the

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ACC NR: AP6023011

smaller is the vulnerability of underground conduits and pipelines to earthquakes and impulsive forces. The pertinent formulas are derived from the general differential equation of longitudinal oscillations of an underground pipeline, presented in the author's previous investigation, which includes a nonlinear function that takes into account the dependence of soil resistance on longitudinal displacements, with shear resistance taken to be increasing proportionately to the displacement. Orig. art. has: 14 formulas, 1 figure.

SUB CODE: 13, 12/ SUBM DATE: 12Aug65/ ORIG REF: 002

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, V.I.

Essential atrophy of the iris and glaucoma. Vest.oft. 69 no.5:86-87 S-O '56. (MLRA 9:12)

1. Iz kafedry glaznykh bolezney (zav. - prof. P.Ye.Tikhomirov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta

(GLAUCOMA, comp.
essential atrophy of the iris)
(IRIS, dis.
atrophy, essential, with glaucoma)
(ATROPHY
iris, essential atrophy with glaucoma)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

SAMSONOV, G.V.; VEDENEYEVA, V.V.; ZAV'YALOVA, L.N.; VIKHOREVA, T.A.

Ion exchange sorption of penicillin with anion exchangers with different swelling capacities. Trudy Len.khim.-farm.inst. no.15:93-100 '62. (MIRA 15:11)
(PENICILLIN) (ION EXCHANGE)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

SAMSONOV, G.V.; VEDENEYEVA, V.V.; KIM DYU-CHIR

Anion exchange of penicillin with other anions in nonaqueous solutions. Trudy Len.khim.-farm.inst. no.15:81-92 '62. (MIRA 15:11)

(PENICILLIN) (ION EXCHANGE)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

SAMSONOV, G.V.; VEDENEYEVA, V.V.; SHATIK, V.V.; VIKHOREVA, T.A.

Study of the conditions for the reversibility of the sorption of penicillin sorbed in the presence of sulfates and phosphates on the nonselective sorbing EDE-10 anion exchanger. Trudy Len.khim.-farm.inst. no.15:75-80 '62. (MIRA 15:11)
(PENICILLIN) (ION EXCHANGE) (SORPTION)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

SAMSONOV, G.V.; VEDENEYEVA, V.V.; SELEZNEVA, A.A.; VOYKHANSKAYA, E.Ye.

Ion exchange on anion exchangers involving penicillin. Zhur. fiz. khim. 37 no.4:725-729 Ap '63. (MIRA 17:7)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYeVA, V.V. Cand Chem Sci — (diss) "Sorption Methods of Isolating and Purifying Penicillin," Leningrad, 1960, 15 pp, 300 copies (Leningrad Chemico-pharmaceutical Institute) (KL, 49/60, 125)

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5 (4)

AUTHORS: Samsonov, G. V., Vedeneyeva, V. V., SOV/20-125-3-37/[illegible]
Selezneva, A. A.

TITLE: The Sorption of Penicillin by Polymeric Sorbents (Sorbtsiya penitsillina polimernymi sorbentami)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 591-594 (USSR)

ABSTRACT: Penicillin is a rather acid substance (the ionization constant of benzylpenicillin is equal to 2.7). Penicillin, therefore, can be sorbed on anionites, for instance on weak anionites prepared by condensation of metaphenyldiamine, and also on strong anionites the synthesis of which is based on the chloro-methylation of styrene and on the interaction of the resulting product with tertiary amines. Notwithstanding the significant absorptive power of penicillin by various anionites, the process of its ion-exchange purification was inhibited in a very essential way. According to a table given by the authors, the irreversible sorption of penicillin from the culture liquid is mainly caused by the existence of anions of sulphuric, phosphoric, and some other acids in the solution. The sorption of

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penicillin becomes almost a complete one after the precipitation of these anions by barium salts (although the sorption capacity does not increase very much). The complicated character of the interaction of penicillin with the anionite requires the investigation of the possibility of applying the principal laws of anion exchange to this phenomenon. In this case, there is an equivalence of the ion exchange: The number of moles desorbed from the anionite EDE-10 of chlorine ions is equal to the number of moles of sorbed penicillin. The desorption of penicillin from anionites can be carried out in a practically complete yield if solutions of phosphate and sodium sulphate are used. The application of the anion-exchange method to the separation and purification of penicillin is based on the above-discussed principles of reversible selective sorption of penicillin and its desorption from anionites. The choice of the anionites is important for this process. The influence of the anions of sulphuric and phosphoric acid upon the reversibility of the sorption of penicillin was explained by the formation of additional bonds between sorbed penicillin and sorbed anions. According to investigations of the authors, penicillin is sorbed with a



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The Sorption of Penicillin by Polymeric Sorbents SOV/20-125-3-[illegible]

high capacity by sulpho-cationites, and also by phosphorus and carboxyl cationites. The fact that penicillin is sorbed by cationites as a result of interaction of its peptide group with the sorbent, may be taken into account for the purification of penicillin from other acids. The specific sorption of penicillin by cationites is one of the most efficient processes for its purification. The authors thank V. N. Nikitin and Ye. I. Pokrovskiy who took the infrared spectra. There are 3 figures, 3 tables, and 7 references, 3 of which are Soviet.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR (Institute of High-molecular Compounds of the Academy of Sciences USSR) Leningradskiy khimiko-farmatsevticheskiy institut (Leningrad Chemical-pharmaceutical Institute)

PRESENTED: December 12, 1958, by M. M. Shemyakin, Academician

SUBMITTED: December 9, 1958

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[illegible] UR 3043/65/000/003/0452/0472

ACCESSION NR: AT5[illegible]

AUTHOR: Vedeneyev, Ye. P.; Zhidkov, N. P.

TITLE: Concerning one iteration method of solving the problem of scattering of neutral mesons 14

SOURCE: Moscow. Universitet. Vychislitel'nyy tsentr. Sbornik rabot, no. 3, 1965. Vychislitel'nyye metody i programmirovaniye (Computing methods and programming), 452-472

TOPIC TAGS: scattering amplitude, charged meson, neutral meson, iteration method, partial amplitude

ABSTRACT: The problem dealt with in the paper was formulated and solved by complex-variable methods by A. V. Yefremov et al. (ZhETF v. 41, 603, 1961). The authors have developed an iterative method for its solution because such a method may prove [illegible] charged mesons, for which no ana- [illegible] scattering amplitudes [illegible] In addition [illegible] method. The main purpose of [illegible]

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the partial amplitudes by means of an iteration method that differs from the N/D method of Chew and Mandelstam (Phys. Rev. 119, 467, 1960). The conditions imposed on the real and imaginary parts of the scattering amplitude [$f(x) = \mathrm{Re}A(x)$, $g(x) = \mathrm{Im}A(x)$] by the physical requirements of the problem and by unitarity, microcausality, and crossing symmetry are used to find expressions for the real and imaginary parts in terms of some fixed number ($\lambda$), which depends on the properties of the solution, and some initial-approximation function $Q(x; \lambda)$. An iteration method is then developed for finding $f(x)$ and $g(x)$. A numerical calculation with the computer has shown that if the segment in which the function is defined is broken up into 40 equal intervals the iteration solution agrees with the exact one within 1% after four or five iterations. "The authors thank A. V. Tefremov for useful advice." Orig. art. has: 2 figures and 32 formulas.

ASSOCIATION: Vychislitel'nyy tsentr Moskovskogo universiteta (Computation Center, Moscow University)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

YEMEL'YANOVA, O.S.; RAVDONIKAS, O.V.; YEGOROVA, L.S.; PANINA, N.V.; PILIPENKO, V.G.; RUDNEV, M.M.; SIL'CHENKO, V.S.; BESSONOVA, M.A.; UL'YANOVA, N.I.; VEDENEYEVA, Ye.V.; BORODIN, V.P.; SAMSONOVA, A.P.; MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.

Approbation of an improved tularemia diagnosticum. Zhur. mikroobiol., epid. i immun. 40 no.10:85-92 O '63. (MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamaley AMN SSSR, Omskogo instituta prirodnoochagovykh infektsiy, Protivochumnogo instituta Kavkaza i Zakavkaz'ya, Voronezhskoy, Leningradskoy, Volgogradskoy, Tul'skoy sanitarno-epidemiologicheskikh stantsiy.

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OLSUF'YEV, N.G.; YEMEL'YANOVA, O.S.; UGLOVOY, G.P.; SIL'CHENKO, V.S.; KHOROSHEV, I.G.; YEZHOVA, Ye.N.; BESSONOVA, M.A.; VEDENEYEVA, Ye. V.; AREF'YEV, S.S.; SHELAHOVA, G.M.; SORINA, A.M.; BORODIN, V.P.; KOROLEVA, A.P.; SUVOROVA, A.Ye.; ONIKHIMOVSKAYA, V.A.; STOLYAROVA, A.D.; BYSTROVA, K.A.; REPINA, R.F.; MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.; YEGIAZARYAN, K.K.; RAVDONIKAS, O.V.; SARMANEYV, A.P.

Optimal periods for testing skin reaction in subjects inoculated against tularemia with a dry live vaccine and vaccinal, reactogenic and immunogenic properties of this preparation. Zhur. mikrobiol. epid. i immun. 32 no.6:92-98 Je '61. (MIRA 15:5)

1. Iz otdela prirodnoochagovykh infektsiy Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR, otdelov Osobo opasnykh infektsiy Voronezhskoy, Leningradskoy, Moskovskoy, Smolenskoy, Stalingradskoy, Tambovskoy, Tul'skoy, oblastnykh sanitarno-epidemiologicheskikh stantsiy i Omskogo instituta epidemiologii, mikrobiologii i gigiyeny.
(TULAREMIA) (VACCINES)

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VEDENEYEVA, Z. I.

CA

11-H

**Action of tetraethylammonium bromide on carotid chemoreceptors.** Z. I. Vedeneeva (Acad. Med. Sci., Leningrad). *Fiziol. Zhur. S.S.S.R.* 37, 732-5(1951).—Expts. with decerebrated cats indicate that the carotid nodules are rather sensitive to the blocking action of $Et_4NBr$; the block occurs in respect to nicotine, carbocholine, and acetylcholine, but does not affect the sensitivity to cyanides. In some cases stimulation of respiration is observed.

G. M. Kosolapoff

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

Myocardial lesions following stimulation of the aortic arch. (MIRA 18:8)
Kardiologiia 4 no.6:58-61 N-D '64.

1. Otdel farmakologii Instituta eksperimental'noy meditsiny (nauchnyy rukovoditel' - prof. S.V.Anichkov) AMN SSSR, Leningrad.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

ABRAMOVA, Zh.I., kand. med. nauk; ANICHKOV, S.V., prof.; BELEN'KIY, M.L., prof.; VAL'DMAN, A.V., doktor med. nauk; VEDENEYEVA, Z.I., kand. med. nauk; VINOGRADOV, V.M., kand. med. nauk; GERSHANOVICH, M.L., kand. med. nauk; GINETSINSKIY, A.G., prof.; GORBOVITSKIY, S.Ye., prof.; GREBENKINA, M.A., dotsent; GREKH, I.F., dots.; DENISENKO, P.P., kand. med. nauk; D'YACHENKO, P.K., kand. med. nauk; ZHESTYANIKOV, V.D., kand. med. nauk; ZAUGOL'NIKOV, S.D., prof.; ZEYMAL', E.V., kand. med. nauk; ISKAREV, N.A., kand. med. nauk; KARASIK, V.M., prof.; KIVMAN, G.Ya., kand. med. nauk; KOZLOV, O.D., kand. med. nauk; KROTOV, A.I., doktor veter. nauk; KUDRIN, A.N., doktor med. nauk; LAZAREV, N.V., prof.; LAPIN, I.P., kand. med. nauk; MEL'NIKOVA, V.F., prof.; MESHCHERSKAYA, K.A., prof.; MIKHEL'SON, M.Ya., prof.; MOSHKOVSKIY, Sh.D., prof.; PADEYSKAYA, Ye.N., kand. med. nauk; PARIBOK, V.P., prof.; PERSHIN, G.N., prof.; PLANEL'YES, Kh.Kh., prof.; PONOMAREV, G.A., prof.; POSKALENKO, A.N., kand. med. nauk; MUKHIN, Ye.A., dots.; ROZOVSKAYA, Ye.S., dots.; RYBOLOVLEV, R.S., starshiy nauchnyy sotr.; SALYAMON, L.S., kand. med. nauk; SAFRAZBEKYAN, R.R., kand. biol. nauk; TIUNOV, L.A., kand. med. nauk; TOMILINA, T.N., dots.; FELISTOVICH, G.I., kand. med. nauk; FRUYENTOV, N.K., kand. med. nauk; KHAUNINA, R.A., kand. med. nauk; TSYGANOV, S.V., prof.[deceased]; CHERKES, A.I., prof.;

(Continued on next card)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

ABRAMOVA, Zh.I.---(continued) Card 2.
CHERNOV, V.A., doktor med. nauk; SHADURSKIY, K.S., prof.; YAKOVLEV, V.Ya., doktor khim. nauk; MASHKOVSKIY, M.D., red.; NIKOLAYEVA, M.M., red.; RULEVA, M.S., tekhn. red.; CHUMAYEVA, Z.V., tekhn. red.

[Manual on pharmacology] Rukovodstvo po farmakologii. Leningrad, Medgiz. Vol.2. 1961. 503 p. (MIRA 15:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Anichkov, Karasik, Cherkes). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Belen'kiy, Ginetsinskiy, Moshkovskiy, Planel'yes).

(PHARMACOLOGY)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

ANICHKOV, S.V., VEDENEYEVA, Z.I.

"Participation of reflexes from interoceptors in general aconitine action."

Report submitted, but not presented at the 22nd International Congress of Physiological Sciences.
Leiden, the Netheralands 10-17 Sep 1962

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

Change in the sorption properties of the cardiac muscle following adrenaline damage to the myocardium. Biul. eksp. biol. i med. 52 no.7:33-38 Jl '61. (MIRA 15:3)

1. Is otdela farmakologii Instituta eksperimental'noy meditsiny AMN SSSR i laboratorii fiziologii kletki Fiziologicheskogo instituta imeni A.A. Ukhtomskogo, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.V. Anichkovym.
(ADRENALINE) (HEART--MUSCLE)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

ANICHKOV, S.V.; VEDENEYEVA, Z.I.

Irritation of the sympathetic nerve as a cause of myocardial lesions. Acta physiol. hung. 19 no.1-4:9-18 '61.

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.
(MYOCARDIUM pathol.) (GANGLIA AUTONOMIC physiol.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

Neurogenic lesions of the myocardium. Biul. eksp. biol i med. 50 no.12:38-43 D '60. (MIRA 14:1)

1. Iz otdela farmakologii (nauchnyy rukovoditel' deystvitel'nyy chlen AMN SSSR S.V. Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.V. Anichkovym.
(HEART) (ADRENALINE)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

Changes caused by adrenalin in the myocardial protein metabolism of rats [with summary in English]. Biul.eksp.biol. i med. 45 no.4:67-73 Ap '58 (MIRA 11:5)

1. Iz otdela farmakologii (zav. - deystvitel'nyy chlen AMN SSSR S.V. Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.V. Anichkovym.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

[illegible] nary ammonium compounds" Z. I. Vedeneeva. Farmakol. i Toksikol. 19, No. 6, [illegible] 1956. —Subcutaneous injections [illegible] with [illegible] and with isolated [illegible]

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z I

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

Effect of tetraethylammonium bromide on carotid hemoreceptors. Fiziol. zh. SSSR 37 no.6:732-735 Nov-Dec 51. (CLML 21:4)

1. Department of Pharmacology, Institute of Experimental Medicine, Academy of Medical Sciences USSR, Leningrad.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z. I.

Influence of amino groups on the benzene ring on the resorptive and local anesthetic properties of procaine (comparison of procaine and bencaine). Z. I. Vedeneeva. *Farmakol. i Toksikol.* 19, No. 1, 9-11(1956).—Bencaine, $PhCOOCH_2CH_2NEt_2.HCl$, differs from procaine only in lacking a free $NH_2$ group. As local anesthetics there is little difference, but bencaine has considerably lower toxicity, cholinolytic activity, and quinidine-type activity. There is no significant difference in spasmolytic action. Slow intravenous injection of 1% bencaine soln. in rabbits, dose 10-20 mg./kg., has no toxic effect whatever, but rapid injection of the same amt. in 3% soln. sometimes causes fleeting clonic-tonic spasms. Julian F. Smith

Med

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VEDENEYEVA, Z.I.

Role of amino group of a benzene ring in the local anesthetic and resorptive action of novocaine; comparative characteristics of novocaine and bencaine. Farm. i toks. 19 no.1:9-11 Ja-F '56. (MLRA 9:5)

1. Otdel farmakologii (zav. deystvitelnnyy chlen AMN SSSR prof. S.V. Anichkov) Instituta eksperimentalnnoy meditsiny AMN SSSR.

(ANESTHETICS, LOCAL,
diethylaminoethyl benzoate HCl, comparison with procaine (Rus))
(PROCAINE,
comparison with diethylaminoethyl benzoate HCl, (Rus))

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z. I.

MANINA, A.K., VEDENEYEVA, Z.I.

Conference devoted to the theoretical basis for the clinical use of ganglion-blocking and curarelike drugs. Vest.AMN SSSR 13 no.6:70-72 '58 (MIRA 11:7)

(AUTONOMIC DRUGS)
(CURARELIKE COMPOUNDS)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

**Effects of narcotics and procaine on experimental cardiac arrhythmia.** Z. I. Vedeneeva. *Farmakol. i Toksikol.* 18, No. 6, 3-8(1955).—Cardiac arrhythmia was induced in rats by intraperitoneal injection of 0.01 mg. aconitine. Sodium amoberbital, thiopental, and $CHCl_3$ aggravated the arrhythmia; $Et_2O$ and urethan showed no influence. Procaine (I) and spasmolytin were also ineffective although they prevented or alleviated auricular palpitation when arrhythmia was electrically induced. I even showed antagonism to aconitine in tests with isolated frog heart.

Julian F. Smith

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

Scientific conference dedicated to the 30th anniversary of Nikolai Pavlovich Kravkov's death. Fiziol. zhur. 40 no.6:766-767 N-D '54. (MLRA 8:2)
(RYAZAN--PHARMACOLOGY--SOCIETIES)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z.I.

Effect of narcotics and novocaine on experimental cardiac arrhythmia. Farm. i toks. 18 no.5:3-8 S-O '55(MLRA 9:1)

1. Otdel farmakologii Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.

(ARRHYTHMIA, experimental,
eff. of narcotics & procaine)
(NARCOTICS, effects,
on exper. arrhythmia)
(PROCAINE, effects,
on exper. arrhythmia)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z. S.

Vedeneyeva, Z. S.

"Spotted disease of apricots and measures to combat it under the conditions of Central Asia." Min Higher Education USSR. Kishinev Agricultural Inst imeni M. V. Frunze. Kishinev, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

VEDENEYEVA, Z. S.

21891. VEDENEYEVA, Z. S.
Apopleksiya Sazhentsev kornesobstvennykh evropeyskikh loz vinograda.
Vinodelige i vinogradarstvo Moldavii, 1949, No 3, s. 39-43

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220012-1

KIKIN, A.I., prof.; BELENYA, Ye.I., prof.; STRELETSKIY, N.S., prof., doktor tekhn. nauk; LESSIG, Ye.N., dots.; MUKHANOV, K.K., dots.; DUBINSKIY, G.S., dots.; SHESTAK, G.A., dots.; IGNAT'YEVA, V.S., dots.; RYBAKOV, V.M., dots.; GENIYEV, A.N., prof.; VEDENIKOV, G.S., dots.; TUBIN, S.M., kand. tekhn. nauk, nauchnyy red.; BEGAK, B.A., red. izd-va; OSENKO, L.M., tekhn. red.

[Metal construction; present state and outlook for future development] Metallicheskie konstruktsii; sostoianie i prospektivy razvitiia. Pod obshchei red. N.S.Streletskogo. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 333 p. (MIRA 15:4)

1. Moscow. Moskovskiy inzhenerno-stroitel'nyy institut.
2. Kafedra metallicheskikh konstruktsiy Moskovskogo inzhenerno-stroitel'nogo instituta imeni V.V.Kuybysheva (for all except Tubin, Begak, Osenko).
(Building, Iron and steel)
(Aluminum, Structural)

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