

SADOVSKAYA, N. A.

"Occurrence and Stratigraphic Significance of Dust and Spores in the Cenozoic Deposits of Northwestern Fergana." Cand Geol-Min Sci, Inst of Geology, Acad Sci, Uzbek SSR, Tashkent, 1954. (RZhGeol, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: Sum.No. 556 24 Jun 55

POLLAK, S.Ye., kand.med.nauk; SADOVSKAYA, N.M.

Cytological and bacterioscopic studies of vaginal smears in children of school age. Vop. okh. mat. i det. 7 no. 2:67-69 (MIFA 15:3)
F '62.

1. Iz kafedry zkusherstva i ginekologii (zav. - prof. A.M. Mazhbits) Novokuznetskogo Gosudarstvennogo instituta dlya usovershenstvovaniya vrachey (dir. - dotsent G.L. Starkov).
(VAGINAL SMEARS)

MOVSHOVICH, R.I., dotsent; SADOVSKAYA, N.M.

Treatment of diseases of the cervix uteri in a maternal health
center. Vop.pkh.mat. i det. 7 no.12: 52-55 D'62. (MIRA 16:7)

1. Iz kafedry skushertva i ginekologii (zav.-prof. A.M.Mazhbits)
Novokuznetskogo instituta usovershenstvovaniya vrachey.
(UTERUS--DISEASES) (ELECTRO-SURGERY)

SADOVSKAYA, N.N.

SADOVSKAYA, N.N.; TIMOFEYEVA, O.N.; POLYUSHKIN, V., inzhener, redaktor;
KOPELEVICH, V., redaktor; STUDENETSAYA, V.A., tekhnicheskiky
redaktor

[Ventilation of a ship's engine and boiler rooms; basic calculations,
designs, construction, and operation] Ventilatsiia sudovykh mashin-
nykh i kotel'nykh otdelenii; osnovy rascheta, proektirovaniia,
ustroistva i ekspluatatsii. Moskva, Gos. izd-vo vodnogo transp.,
1953. 289 p. (MLRA 7:9)
(Ships--Heating and ventilation)

~~SOV 24-57-3-3244~~

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 88 (USSR)

AUTHOR: Sadovskaya, N. N.

TITLE: Air Circulation Resulting From Concentrated Air Delivery (Tsirkulyatsiya vozdushnykh potokov pri sosredotochennoy podache vozdukha)

PERIODICAL: Tr. nauch. sessii Vses. n.-i. in-ta okhrany truda, 1955, Nr 4
pp 23-42

ABSTRACT: The author adduces the results of an investigation of the diffusion of a turbulent isothermal jet within a space bounded by rigid walls.
I. A. Shepelev

Card 1/1

Sadovskaya, N. P. and Timofeyeva, YE. M.

The duration of the viability of channels of the transmission of eggs
of trichiuridae (Trichiuridae) in the climatic conditions of Kiev City. 0 152

Materialy nauchnykh konferentsii, Kiev, 1959. 288pp
(Kievskiy Nauchno-issledovatel'skiy Institut Epidemiologii i Mikrobiologii)

OSHMARIN, P.G.; OPARIN, P.G.; SADOVSKAYA, N.P.; BELOUS, Ye.V.; DOTSENKO, T.K

Work of the Far Eastern branch of the Academy of Sciences of the U.S.S.R. on the study of helminths of domestic and wild animals and on the organization of measures for combating helminthic diseases on Maritime Territory collective farms. Trudy probl. i tem. sov. no. 4: 135-141 '54. (MLRA 8:7)

1. Dal'nevostochnyy filial Akademii nauk SSSR i Primorskaya nauchno-issledovatel'skaya veterinarnaya opytnaya stantsiya. (Maritime Territory--Worms, Intestinal and parasitic)

SADOVSKAYA, N.P.

Composition of the helminthic fauna of hares in the Maritime
Territory. Soob. DVPAN SSSR no.7:57-60 '55. (MLRA 10:4)

1. Dal'nevostochnyy filial im. V. L. Komarova AN SSSR.
(Maritime Territory--Worms, Intestinal and parasitic)
(Parasites--Hares)

SADOVSKAYA, N.P.

USSR/Toparasitology - Parasitic Worms.

G-1

Abstr Jour : Ref Zhur - Biol., No 5, 1953, 19605
Author : Sadovskaya, N.P.
Inst : -
Title : Helminth Fauna of Mouselike Rodents of the Seaside Region.
Orig Pub : Tr. Dalnevost. fil. AN SSSR, ser. zool., 1956, 3(6), 269-279

Abstract : 33 species of helminths were found in 345 mouselike rodents of 3 species dissected in 1948-1950. The extent of infection was 74.6%. Specific helminths of mouselike rodents in the seaside region: *Fibricola sudarikovi*, *Ascaris brevispiculum*, *Heligmonoides primorie*, *Rictularia amurensis* and *Syngamus (Rodentogamus) rijkovi*. 67% of all identified helminths are common to all the various representatives of the given group of hosts, which reflects their phylogenetic kinship. Data were obtained which corroborate the direct relationship between intensity and

Card 1/2

SADOVSKAYA, H.P., kand.biol.nauk

Structure and development of the heart valves in vertebrates
and in man. Trudy Novosib.gos.med.inst. 27:95-114 '57.

(MIRA 12:9)

1. Iz Novosibirskogo nauchno-issledovatel'skogo Sanitarnogo
institute (direktor instituta A.A.Itskovich) i iz kafedry
gistologii Novosibirskogo meditsinskogo instituta (zav.kafedroy
prof. M.Ya.Subbotin).

(HEART--VALVES)

SADCOVSKAYA, N.P. (Novosibirsk, ul. Karamzina, 31-A)

Embryonal development of the aortic valves in man. Arkh.
anat. gist. i embr. 41 no.8:59-62 Ag 1961. (MIRA 15:6)

1. Kafedra gistologii (zav. - prof. A.M. Khlopkov) Tomskogo
meditsinskogo instituta.

(AORTIC VALVE)
(EMBRYOLOGY, HUMAN)

POPKOV, A.P.; SADCOVSKAYA, N.P.

Comparative characteristics of the throwing power of zinc plating
electrolytes. Zashch. met. 1 no.5:543-545 S-0 '65. (MIRA 18:9)

SADOVSKAYA, O.A.

Organosols and plastisols. Lakokras.mat.i ikh prim. no.1:90-91
'62. (MIRA 15:4)

(Protective coatings) (Vinyl compound polymers)
(Suspensions (Chemistry))

SADOVSKAYA, R.O., assistant

Interrelation between grape plants and nitrogen-fixing micro-organisms.
Trudy Kish. sel'khoz. inst. 19:81-102 '60. (MIRA 14:1)
(Grapes) (Micro-organisms, Nitrogen-fixing)

SADOVSKAYA, F. O.

"Soaking of Cotton Seed in Boric Acid as a Means to Satisfy Its Boron Requirement and Increase Salt Resistance," Dok. AN, 23, No. 3, 1939. Mbr., Dept. Plant Physiology & Agricultural Microbiology, Tashkent Agric. Inst. -1939-.

SADOVSKAYA, R.O.

Effect of the root system of grapevine on the development of Azotobacter. Mikrobiologiya 28 no.4:534-540 JI-Ag '59. (MIRA 12:12)

1. Kishinevskiy sel'skokhozyaystvennyy institut.
(GRAFES) (RHIZOSPHERE MICROBIOLOGY) (AZOTOBACTER)

L 34979-66 EWT(1)/T SCTB DD/JK

ACC NR: AP6018214

SOURCE CODE: UR/0219/66/061/006/0071/0074

AUTHOR: Sadovskaya, S. P.; Telitchenko, M. M.

31
B

ORG: Biological-Soil Department, Moscow Order of Lenin and Order of the Red Banner of Labor University im. M. V. Lomonosov (Biologo-pochvennyy fakul'tet Moskovskogo ordena Lenina i ordena Trudovogo Krasnogo Znameni universiteta)

TITLE: Effect of Chlorella vulgaris and Scenedesmus obliquus on the viability of Escherichia coli bacteriophages

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 61, no. 6, 1966, 71-74

TOPIC TAGS: chlorella, algae, bacteriophage, microbiology

ABSTRACT: The effect of algae on *Escherichia coli* bacteriophages in Uspenskiy medium and sewage water was investigated in an attempt to establish criteria for the analysis of sanitary-epidemiological conditions in water. The investigations employed pure cultures of green algae protococci and bacteriophages strains τ_1 , τ_2 , and λ , specific for *Escherichia coli*, grown in meat-peptone broth. Microscopic count revealed single dead cells in 10-12 days. On the 15th day, their number reached 0.1%-0.2%/ml of initial concentration. Uspenskiy medium, inoculated every 3 days, showed high mortality in all phages fairly soon, and on the 15th day, activity was only 4%-9% of the initial; no further changes were observed. In ensuing experi-

UDC: 576.858.9:576.851.48.095.877:582.264

Card 1/2

L 34979-66

0

ACC NR: AP6018214

ments, algae cultures at pH 6.9-7.7 were added. *Chlorella vulgaris* markedly inhibited phage T₁; T₄ was not affected. *Scenedesmus obliquus* inhibited all phages and finally suppressed all activity. A study was also made on phage concentrations in water polluted with sewage. *Chlorella vulgaris* slightly inhibited T₁ and λ phages. *Scenedesmus obliquus* had no inhibiting phagic effect despite the fact that algae concentration was higher than that in the culture experiments. Apparently its inhibiting effects were not effective in waste water. When phage concentration increases, algae markedly inhibit phage biological activity and so preserve the balance between the intestinal bacillus and its specific phages. Thus the coli titer remains unchanged. Orig. art. has: 5 tables. [14]

SUB CODE: 06/

SUBM DATE: 10Sep64/

ORIG REF: 004 / ATD PRESS: 5029

Card 2/2 BUG

SADOVSKAYA, T. M.

ALIYEVA, R.S.; PIVOVAROVA, G.M.; SVIRIDENKO, Ye.T.; SADOVSKAYA, T.M.

Effectiveness of antidiphtheric vaccination of infants following Schick's test. *Pediatrics*, Moskva no.6:62-65 Nov-Dec 1953. (CJML 25:5)

1. Of Dagestan Scientific-Research Institute for the Production of Nutritive Media (Director -- Candidate Biological Sciences N. A. Likhvar') of the Ministry of Public Health USSR.

SADOVSKAYA, T.M.; GORGIYEV, T.B.; DROZDOVA, P.N.

Epidemiology of bacterial dysentery in small children. *Pediatrics*
39 no.5:79 S-0 '56. (MLRA 10:1)

1. Iz Dagestanskogo instituta po proizvodstvu pitatel'nykh sred.
(DYSENTERY)

YENAL'YEV, V.D. [IEnal'iev, V.D.]; ZAYTSEVA, V.V.; SADOVSKIY, Yu.S.
[Sadovs'kiy, I.U.S.]; BATOG, A.Ye. [Batoh, A.IE.]; SADOVSKAYA, T.M.
[Sadovs'ka, T.M.]

Thermal stability and initiating activity of substituted benzoyl
peroxide. Khim.prom. [Ukr.] no.1:17-20 Ja-Mr '64. (MIRA 17:3)

YENAL'YEV, V.I.; YATSEVA, V.V.; SADOVSKIY, Yu.S.; SADOVSKAYA, T.N.;
HAZAROVA, Z.F.

Polymerization of styrene initiated by bifunctional peroxides.
Vysokom. soed. 7 no.2:275-279 F '65.

(MIRA 18:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut plasticheskikh
mass.

YENAJ'YEV, V.D.; ZAYTSEVA, V.V.; SADOVSKIY, Yu.S.; SADOVSKAYA, T.N.:
SOROKINA, A.N.

Kinetics of styrene polymerization in the presence of some tert-amyl
peracylates. Ukr. khim. zhur. 31 no.8:834-838 '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut plasticheskikh mass.

SHAGUN, Mariya [Shahun, M.], slesar'-sborshchik; SADOVSKAYA, V. [Sadouskaia, V.], komsorg.; VOYTEKHOVSKIY, M.M.; [Voitsakhouski, M.M.], uchitel' (derevnya V. Staeblevichi, Zhitkovitskogo rayona); BIL'DZYUKEVICH, E.; KRYVOSHEYENKO, Petr [Kryvasheenka, P.], elektromonter; SHARZYEV, Anatol' [Sharaiou, A.] (derevnya Tudorovo, Shklovskogo rayona); ABRAMENKO, Valentina [Abramenka, V.], uchitel'; FROLOV, Grigoriy [Fralou, Ryhor] (g.Krichev)

Let's talk about happiness. Rab.1 sial. 36 no.10:18-19.0 '60.
(MIRA 13:10)

1. Zavod bytovykh priborov, Grodno (for Shagun). 2. Fabrika "KIM," g. Vitebsk (for Sadovskaya). 3. Vasilevichskaya dorozhnaya remontno-ekspluatatsionnaya stantsiya (for Krivosheyeno). 4. Borovichskaya srednyaya shkola Porechnenskogo rayona, Gomel'skoy oblasti (for Abramenko).
(Women--Employment)

ZARETSKIY, V.I.; WUL'FSON, N.S.; SADOVSKAYA, V.I.; ANANCHENKO, S.N.; TORGOV, I.V.

Mass spectrometry of D-homoequilenin, D-homocosterone, and their stereoisomers. Dokl. AN SSSR 198 no.2:385-388 S 164. (MIRA 17:10)

I. Institut khimii prirodnykh soyedineniy AN SSSR. Predstavleno akademikom M.M. Shemyakinym.

GRINEVA, N.I.; SADOVSKAYA, V.L.; UFIMTSEV, V.N.

Synthesis of 2-phenylindole and its 1-methyl derivative. Zhur.
ob.khim. 33 no.2:552-553 F '63. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut organicheskikh
poluproduktov i krasiteley, Moskva.
(Indole)

SADOVSKAYA, V. T., "Course and Result of Experimental Tetanus Intoxication During the Changed Functional State of the Central Nervous System," Minsk/Moscow, 1960, 12 pp, 300 copies (Academy of Medical Sciences USSR. Belorussian Sci Res Institute of Epidemiology, Microbiology and Hygiene. Institute of Normal and Pathological Physiology of the Academy of Medical Sciences USSR) (KL, 48/60, 115)

SADOVSKAYA, V.T.

Development, course, and outcome of experimental tetanus intoxication under changed functional conditions of the central nervous system.
Biul. eksp. biol. i med. 49 no.3:41-46 Mr '60. (MIRA 14:5)

1. Iz Belorusskogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny (dir. - kandidat med. nauk V.I.Votyakov), Minsk i Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N.Chernigovskiy) AMN SSSR, Moskva.
Predstavlena deystvitel'nyy chlenom AMN SSSR V.N.Chernigovskim.
(TETANUS) (CEREBRAL CORTEX) (AMPHETAMINE)

YANKOVSKIY, A.K.; POVALISHINA, T.P.; VLASOV, A.S.; KOZHUSHKO, M.I.; SADOVSKAYA,
Ye.V.

Data on the natural foci of hemorrhagic fever with a renal syndrome in
Moscow Province. Zhur.mikrobiol., epid.i immun. 40 no.12:46-51 D '63.
(MIRA 17:12)

1. Iz Instituta poliomielita i virusnykh entsefalitov AMN SSSR.

S/137/62/000/001/184/237
A006/A101

AUTHORS: Sadovskaya, Yu.I., Khitrov, V.A.

TITLE: On the effect of temperature on the corrosion resistance of aluminum in sulfuric acid solutions

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 1, 1961, 82, abstract 11577 ("Izv. Voronezhsk. gos. ped. in-ta", 1960, v. 29, 167 - 173)

TEXT: The authors studied the effect of temperature on the corrosion resistance of commercial Al in H_2SO_4 solutions of different concentrations (from 1 to 35 n.). The rate of Al corrosion increases with higher temperatures. An increase in H_2SO_4 concentration is accompanied by a higher corrosion rate of Al only to a certain limit (28 n. H_2SO_4); a further increase of the acid concentration caused a considerable decrease of the corrosion rate and the beginning of a passive state of Al. Experimental data obtained, and calculated values of the effective activation energy and the temperature factors, lead to the conclusion that the corrosion rate of Al in H_2SO_4 solutions is controlled by the chemical reaction rate, and that the temperature effect obeys the Arrhenius equation. However, in concentrated H_2SO_4 (35 n.) the beginning of the passive state entails

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S/137/62/000/001/184/237
A006/A101

On the effect of temperature ...

a deviation from this dependence and the transition to diffusion control. Experimental data are interpreted on the basis of N.D. Tomashov's concepts of passivity. There are 11 references.

The authors' summary ✓

[Abstracter's note: Complete translation]

Card 2/2

SADOVSKAYA, YU. I.

S/020/60/133/04/28/031
B004/B056

AUTHORS: Khistrov, V. A., Shatalova, V. I., Smol'yaninov, I. S.,
Sadovskaya, Yu. I. ✓

TITLE: The Problem of the Influence of Temperature on the Rate of
Corrosion of Metals in Acid Media ✓

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 4,
pp. 886 - 888

TEXT: The authors investigated the influence exerted by temperature on the rate of corrosion of Armco iron, nickel, zinc, and cadmium in 1 N H₂SO₄ and 1 N HCl, and found a linear course for the function $\log K = f(1/T)$ according to the Arrhenius equation (Fig. 1). For the corrosion of aluminum in 1 N HCl, this function is, however, no longer linear; corrosion increases with rising temperature more quickly than would correspond to the Arrhenius equation (Fig. 2). This is explained by the destruction of the oxide layer of Al. In the case of commercial aluminum of the type Al-2, it was observed in 35 N H₂SO₄ that the

Card 1/2

KHITROV, V.A.; SMOL'YANINOV, I.S.; SHATALOVA, V.I.; SADOVSKAYA, Yu.I.

Effect of temperature on the corrosion resistance of some metals
in sulfuric and hydrochloric acid solutions of various concen-
trations. Zhur.fiz.khim. 36 no.5:1058-1060 My '62.

(MIRA 15:8)

1. Voronezhskiy gosudarstvennyy pedagogicheskiy institut.
(Metals--Corrosion)

TROYNIKOVA, Ye.I. [Troinykova, I.E.I.]; SADOVSKAYA, Z.M. [Sadovs'ka, Z.M.];
KOMASHKO, A.M.; OMEL'CHENKO, S.I.

Initiating systems for the copolymerization of polyglycolmaleate
resins modified with cyclopentadiene. Khim. prom. [Ukr.] no.3:
33-35 J1-S '64. (MIRA 17:12)

L-22600-66 EWT(m)/EWP(j)/T/ETC(m)-6 IJP(c) WW/GS/RM

ACC NR: AT6006244

SOURCE CODE: UR/0000/65/000/000/0048/0055

AUTHOR: Omel'chenko, S. I.; Troynikova, Ye. I.; Sadovskaya, Z. M.; Komashko, A. M.ORG: Ukrainian Scientific Research of Plastics, Donetsk (UkrNIIPlastmass)

TITLE: Initiation systems for the copolymerization of polyglycolmaleinate resin modified with cyclopentadiene

SOURCE: AN UkrSSR. Modifikatsiya svoystv polimerov i polimernykh materialov (Modification of the properties of polymers and polymeric materials). Kiev, Naukova dumka, 1965, 48-55

TOPIC TAGS: copolymerization, polymerization catalyst, polymerization initiator, synthetic material, catalytic polymerization

ABSTRACT: The effectiveness of isopropylbenzohydroperoxide (IPBHP)-, methylethylketone peroxide (MEKP)- and cyclohexanone peroxide (CHP) supplemented with U-100 accelerator, $(\text{NH}_4)_2[\text{Co}(\text{CNS})]$, on the copolymerization of PNTs-2E-6^b polyglycolmaleinate resin with cyclopentadiene was investigated. The copolymer samples were prepared by mixing a resin-styrene solution (100:400 styrene to resin ratio) with an initiator-accelerator system followed by pouring into molds and setting at $20 \pm 1^\circ\text{C}$. The concentration of IPBHP in styrene was 3-5%. The concentration of MEKP was 0.2-0.7% and concentration of CHP was 0.2-0.8%. The copolymerization duration was 95-230 minutes.

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L 22600-66

ACC NR: AT6006244

The copolymers were held for 1-4 hours at 60-120°C. The concentration of U-100 was 0.01-0.03% based on Co⁺⁺ ion content. In the case of IPBHP, a copolymer with the best physicomechanical properties was obtained using 3% IPBHP, 0.02% Co⁺⁺, and thermal treatment at 100-120°C. After 30 days of aging, the copolymer contained 94% non-extractible matter. The properties of the styrene-PNTs-2E-6 resin copolymers obtained with various initiation systems are presented in a table. Orig. art. has: 9 figures, 4 tables.

SUB CODE: 07/

SUBM DATE: 06Oct65/

ORIG REF: 002/

OTH REF: 000

Card 2/240

ACC NR: AR6035284

SOURCE CODE: UR/0269/66/000/009/0016/0016

AUTHOR: Sadvski, L. A.

TITLE: Tables for processing observational data of artificial Earth satellites

SOURCE: Ref. zh. Astronomiya, Abs. 9.51.148

REF SOURCE: Byul. st. optich. nablyud. ISZ, no. 44, 1965, 3-27

TOPIC TAGS: artificial satellite, artificial satellite observation, elliptic orbit, orbit eccentricity

ABSTRACT: Tables are composed for determining the radius-vector of an Earth satellite and its true anomalies from the arguments for the mean anomaly and the eccentricity of an elliptical orbit. The tables have two input sections. The accuracy of the table functions is 10^{-6} , while the true anomaly is expressed in radians. The variation limits of the arguments are: $0-180^{\circ}$ for each degree for the mean anomaly and $0.001-0.010$ for the eccentricity with an interval of 0.001 . The tables are convenient for processing the observational data on Earth satellites with near-circular orbits, and they may serve to complement the well-known tables of I. D.

Card 1/2

UDC: 629.195.1(083.5)

ACC NR: AR6035284

Zhongolovich and V. M. Amelin. (RZhAstr, 1961, 2A152). [Translation of
abstract] [NT]

SUB CODE: 03/

Card 2/2

SADOVSKIY, A., Cand Agric Sci (diss) -- "The effect of various methods of pre-planting plowing on the growth and development of the roots and superstructure of apple trees (under conditions of the Moldavian Oblast)". Moscow, 1959.

17 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies

(KL, No 9, 1960, 127)

BARACH, G.P.; SADOVSKIY, A., red.; KHAKHMIGERY, M.D., tekhn. red.

[Inland bodies of water of the Abkhaz A.S.S.R., their commercial ichthyofauna and significance for the fish trade]
Vnutrennie vodoemy Abkhazskoi ASSR, ikh promy~~sl~~ovaia ikhtiofauna i rybokhoziaistvennoe znachenie. Sukhumi, Abgosizdat, 1960. 131 p.

(MIRA 16:6)

(Abkhazia--Fisheries)

SADOVSKIY, A. A.

21587 SADOVSKIY, A. A. Ob integral'noy gipsometricheskoy zakonmernosti
Raspredeleniya zoobentosa v R. Alazani i drugikh gornykh rekakh
Kurins'ogo basseyna. Trudy Zool. in-ta (Akad. Nauk Gruz. SSR),
t. VIII, 1949, s. 21-50 - Rezyume Na gruz, yaz. — Bibliogr: 9 Nazv

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

P

USSR/General and Special Zoology. Insects

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 25687

Author : Sadovskiy A.A.

Inst : ~~Zoological~~ Institute of the Academy of Sciences of the Georgian
Soviet Socialist Republic.

Title : On the Transposition of Eyelets in the Larvae of the Genus
Rhitrogena (Ephemeroptera) in the Post-embryonic Development.
(O permeshchinee glazkov u lichinok r. Rhitrogena (Ephemeroptera) v postembrional'nom razvitii.)

Orig Pub : Tr. In-ta zool. AN GruzSSR. 1956, 4.26;269

Abstract : Data for the study was collected in the river Alazan (Georgia).
The eyes of the May fly larvae of genus Thitrogena were located at the rear edge of the head; they had no facets and were not distinguishable from the eyelets. As is known the eyelets of the adult May fly larvae of the rheophile type are located at the center of the head's dorsal surface. As in larvae living in stagnant waters the eyelets in young larvae of the genus Rhitrogena were located at the front of the head.

Card : 1/2

SADOVSKIY, A.A.

The concept of "relict" in biogeography. Trudy Inst. zool. AN Azerb. SSR
14:295-308 '56. (MLRA 9:9)
(Zoogeography--Terminology)

SADOVSKIY, A.A.

Some considerations on the physical characteristics of the so-called
"average depth". Trudy Inst.zool.AN Azerb.SSR 14:309-331 '56.
(Hydrology) (MIRA 9:9)

SADOVSKIY, Aleksandr Aleksandrovich; MACHABELI, A., red.; MAYSURADZE,
N., red.izd-va; TODUA, A., tekhn.red.

[Fish culture in ponds of collective farms] Rybnoe khoziasstvo
v kolkhoznykh prudakh. Tbilisi, Izd-vo Akad.nauk Gruz.SSR, 1960.
54 p. (MIRA 13:7)

(Georgia--Fish culture)

BARACH, German Pavlovich, zasl. deyatel' nauki Gruzinskoy SSR;
SADOVSKIY, A.A., red.; YANKOSHVILI, TS.A., red. izd-va;
BOKERIYA, N.B., tekhn. red.

[Salmon trout of the Black Sea] Chernomorskaya kumzha (losos'-
forel'). Tbilisi, Izd-vo Akad.nauk Gruzinskoi SSR, 1962. 109 p.
(MIRA 16:3)

(Black Sea--Trout)

TSULADZE, L.Ye., otv. red.; SADOVSKIY, A.A., prof., red.;
KARZINKIN, G.S., prof., red.; VINOGRADOV, K.A., prof.,
red.; KESHKOVA, T.M., doktor biol. nauk, red.;
TSKHOMELIDZE, O.I., kand. biol. nauk, red.

[Transactions of the First Scientific Conference Dedi-
cated to the Study and Use for Fisheries of the Inland
Bodies of Water of Georgia] Trudy Nauchnogo soveshchaniia
posviashchennogo izucheniiu i rybokhoziaistvennomu ispol'-
zovaniiu vnutrennikh vodoemov Gruzii, Batumi, Nauchno-issl.
Rybokhoziaistvennaia stantsiia Gruzii, 1963. 161 p.

(MIRA 17:7)

1. Nauchnoye soveshchaniye, posvyashchennoye izucheniyu i
rybokhozyaystvennomu ispol'zovaniyu vnutrennikh vodoyemov
Gruzii, 1st, Batum, 1961. 2. Direktor Nauchno-issledova-
tel'skoy Rybokhozyaystvennoy stantsii Gruzii (for TSuladze).

ACC NR: AP7006685 (A) SOURCE CODE: UR/0145/66/000/010/0164/0163

AUTHOR: Apanasenko, V. F. (Instructor); Sadovskiy, A. A. (Senior instructor)

ORG: Affiliate of the Krasnoyarsk Polytechnical Institute (Filial Krasnoyarskogo politekhnicheskogo instituta)

TITLE: Investigation of the properties of an exponential waveguide during operation on directed ultrasonic oscillations

SOURCE: IVUZ. Mashinostroyeniye, no. 10, 1966, 164-168

TOPIC TAGS: waveguide, ultrasonic welding, ultrasonic wave propagation

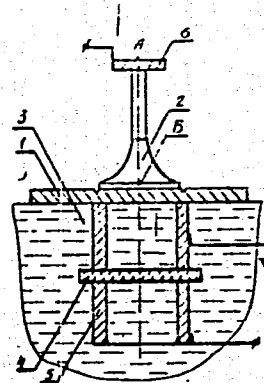
ABSTRACT: The waveguides and vibrators used in conventional ultrasonic welders are designed according to the acoustic horn theory for concentration of undirected oscillations. Experiments were conducted by the authors of this article to determine whether waveguides of this type may be used for concentration of directed ultrasonic oscillations. An ultrasonic bath (see figure) was used with a quartz crystal transducer 50 mm in diameter resonating on a frequency of 1.89 Mc. High-frequency electric oscillations were fed to the crystal from a UVO-2 oscillator with a power of 0.9 kw and a frequency range of 1-4 Mc. The signal from the measurement points was fed to the input of an IO-4 oscillograph and the image on the screen was recorded. The results are tabulated. It was found that exponential waveguides do not concentrate

Card 1/2

UDC: 621.791

ACC NR: AP7006685

directed ultrasonic oscillations. Experiments showed that these oscillations may be concentrated by hollow conical waveguides with a vertex angle of $180-2\alpha$, where α is the first or second critical angle. The relationship between the vertex angle, the frequency of the oscillations and wall thickness should be selected so that the ultrasonic oscillations along the inner and outer limits of the waveguide are in phase at the tip. Orig. art. has: 3 figures, 3 tables.



SUB CODE: 13, 20/ SUBM DATE: 10Aug65

Card 2/2

2010, 21117

PHASE I BOOK EXPLOITATION

SOV/2941

Sadovskiy, A. I.

Akademiya nauk Uzbekskoy SSR; spravochnik (Uzbek SSR Academy of Sciences; a Handbook) Tashkent, Izd-vo AN Uzbekskoy SSR, 1958. 149 p. 2,000 copies printed.

Sponsoring Agency: Akademiya nauk Uzbekskoy SSR.

Ed.: Kh. F. Tazylov, Akademik, Uzbek SSR Academy of Sciences;
Ed. of Publishing House: B. I. Knopov; Tech. Ed.: A. T. Shepel'kov.

PURPOSE: The book is intended for the general reader interested in the development of science in the Uzbek Republic.

COVERAGE: The book surveys the formation, development, and administration of the Uzbek Academy of Sciences. The author summarizes the tasks of the Academy and describes its organizational structure and the functions of the individual branches and departments. Scientific topics dealt with by the Academy during the last 15 years are described and a summary of results given. There are numerous illustrations and a diagram showing the administrative setup of the Academy. Officers and personnel of each department are listed. No references are given.

Card 1/3

SADOVSKIY, A.I.

Annual meeting of the Academy of Sciences of the Uzbek S.S.R.
Izv. AN Uz.SSR. Ser. tekhn. nauk no. 3:91-92 '58. (MIRA 11:8)
(Academy of Sciences of the Uzbek S.S.R.)

AUTHOR: Sadovskiy, A.I. SOV-26-58-10-42/51

TITLE: The Discovery of Wood Beyond the Polar Circle (Nakhodka drevesiny za polyarnym krugom)

PERIODICAL: Priroda, 1958, Nr 10, p 119 (USSR)

ABSTRACT: In 1957, geologist L.P. Mel'nikov discovered remnants of wood in the now woodless region of the extreme north eastern part of the USSR. The wood is probably of coniferous origin and indicates that the region was once covered with normal wooded vegetation, with the boundary of the Tayga much farther to the North than at present. There is 1 photo.

ASSOCIATION: Seymchanskoye rayonnoye geologorazvedochnoye upravleniye (Magadanskaya oblast) (Seymchan Rayon Geological Survey Board, Magadan Oblast)

1. Wood--Arctic regions

Card 1/1

FAZYLOV, Kh.F.; SADOVSKIY, A.I.; RAYEVSKIY, L.A., red.; UMANSKIY, P.A.,
tekh.n.red.

[Development of science in Uzbekistan] Razvitie nauki v Uzbekskoi
SSR. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1959. 67 p.
(MIRA 14:3)

(Uzbekistan--Science)

SADOVSKIY, A.I.

Recent data on the stratigraphy of Cenozoic deposits of the lower course of the Kolyma River and the East-Siberian seashore. Geol.i geofiz. no.5:120-125 '62. (MIRA 15:8)

1. Seymchanskoye rayonnoye geologorazvedochnoye upravleniye Severo-Vostochnogo geologicheskogo upravleniya.
(Kolyma Valley--Geology, Stratigraphic)
(East Siberian Sea region--Geology, Stratigraphic)

SADOVSKIY, A.I.

Recent data on the Mesozoic stratigraphy and tectonics of the lower Kolyma River. Geol. i geofiz. no.8:114-117 '62. (MIRA 15:10)

1. Seymchanskoye rayonnoye geologorazvedochnoye upravleniye.
(Kolyma Valley—Geology)

SADOVSKIY, A.I.

Paleozoic sediments in the Anyuy megaanticlinorium. Geol. i geofiz.
no.10:171-175 '64. (MIRA 18:4)

1. Severo-Vostochnoye geologicheskoye upravleniye, g. Magadan.

SADOVSKIY, A.I.

History of the geological development and tectonics of the
Anyuy meganticlinorium. Sov. geol. 8 no.3:59-73 '65. (MIRA 18:5)

1. Anyuyskoye rayonnoye geologorazvedochnoye upravleniye
Severo-Vostochnogo geologicheskogo upravleniya.

ZALKIND, I.E.; NECHAYEV, Yu.A.; SADOVSKIY, A.N., red.

[Limestone, dolomite and gypsum in Perm Province] Izvestniak,
dolomit i gips v Permskoi oblasti. Perm', Permskoe knizhnoe
izd-vo, 1959. 124 p. (MIRA 17:1)

SADOVSKIY, A.P.

Acquainting students with the achievements of biology. Biol.v
shkole no.4:13-16 J1-Ag '62. (MIRA 15:12)

1. Adygeyskiy oblastnoy institut usovershenstvovaniya uchiteley,
g. Maykop.

(Biology—Study and teaching)

BERGMAN, A.G.; SADOVSKIY, A.P.; MISLER, Zh.V.

Ternary system of lead, lithium, and cadmium chlorides. Zhur.-
neorg.khim. 8 no.4:954-958 Ap '63. (MIRA 16:3)
(Lead chloride) (Lithium chloride) (Cadmium chloride)

BERGMAN, A.G.; KAZNACHEYEVA, K.F.; GORYACHEVA, V.P.; SADOVSKIY, A.P.

Reciprocal system consisting of pyrophosphates and fluorides
of sodium and potassium. Zhur. neorg. khim. 8 no.6:1455-1460
Je '63. (MIRA 16:6)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy institut
tekhnologii mashinostroyeniya i Kubanskiy sel'skokhozyaystvennyy
institut.

(Alkali metal fluorides)

(Alkali metal pyrophosphates)

SADOVSKIY, Akim Samoylovich; YEFIMOV, I.Ye., otvetstvennyy redaktor;
KOKOSOV, L.V., redaktor; SOKOLOVA, R.Ya., tekhnicheskyy redaktor.

[Collection of problems for the course "Theory of electric communications."] Sbornik zadach po kursu "Teoriya elektricheskoi svyazi." Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1954. 151 p. (MLFA 8:2)
(Electric engineering) (Telecommunication)

~~SADOVSKIY, Akim-Samoylovich~~; YEFIMOV, I.Ye., otvetstvennyy redaktor;
KOKOSOV, L.V., redaktor; SOKOLOVA, R.Ya., tekhnicheskii redak-
tor.

[Collection of problems on the course "Theory of electric commu-
nications."] Sbornik zadach po kursu "Teoriia elektricheskoi
svyazi." Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio,
1954. 341 p. (MLRA 8:3)
(Telecommunications--Problems, exercises etc.)

USSR/Engineering - Transducer

FD-1396

Card 1/1 : Pub. 10 - 5/12

Author : Sadovskiy, A. S. (Odessa)

Title : ~~Passage-type inductive transducer~~
Passage-type inductive transducer

Periodical : Avtom. i telem., 15, No 6, 510-520, Nov-Dec 1954

Abstract : The author discusses an inductive transducer with moving armature whose displacement is mechanically unlimited. He establishes the dependences necessary for computing the magnetic conductivity of the operational air gap of a transducer, and also its sensitivity to displacements of the armature. The obtained dependences are utilized to study tooth-type and screw-type inductive transducers, which are employed in USSR machine construction industry to measure coordinates and displacements in coordinate boring machines. No references.

Institution :

Submitted : August 2, 1953

SADOVSKIY, A.S.

COMPONENTS

"Inductive Transducer of Higher Sensitivity for the Recording of Linear and Angular Displacements", by A.S. Sadovskiy, Avtomatika i Telemekhanika, No 9, September 1957, pp 802-813.

A toothed through-type inductive transducer, having a sensitivity greater than a transducer with a solid armature is described. The transducer makes possible measurement of displacement and recording of equal and unequal lengths within the range of the entire length of the armature, which can be made as large as desired. The armature may also be made in the form of a cylinder and the teeth in the form of rings or a screw thread. In the latter case the transducer can be used also to measure angular displacements.

Such a measuring device can be used precision machine building and has replaced optical systems of measuring coordinates and displacement; it also lends itself to automatic positioning of the breadth of a machine tool at a preselected coordinate, something that cannot be accomplished with an optical system.

Card 1/1

- 26 -

SADOVSKIY, A.S.

Compensation circuits for common battery telephone apparatus
having semiconductor amplifiers. Elektrosviaz 11 no.2:57-66 F.'57.
(Telephone) (MLRA 10:3)

SADOVSKIY, A.S.

103-9-4/9

AUTHOR
TITLE

Sadovskiy, A.S. (Odessa)

An Induction Transmitter with Increased Sensitivity for the Recording of Linear and Angular Displacements.

(Induktivnyy datchik povyshennoy chuvstvitel'nosti dlya registratsii lineynykh i uglovykh peremeshcheniy. - Russian)

PERIODICAL
ABSTRACT

Avtomatika i Telemekhanika, 1957, Vol 18, Nr 9, pp 802-813 (U.S.S.R.)

An induction through-transmitter with teeth, the sensitivity of which is greater than that of a transmitter with a massive armature, is investigated. This donor makes it possible to measure displacements and to record the equal and unequal intervals within range of the total length of the armature, which can be made to have any size. The armature may also have the shape of a cylinder and the teeth may be made in form of rings or threads. In the latter case it is possible to measure also angular displacements by means of the transmitter. Such a measuring device is fitted in the jig drill which is produced by the Kirov works in Odessa. With its aid it is possible automatically to disconnect the table of the machine tool with a previously set coordinate, which was not possible by means of the optical system.

There are 15 figures, 1 table and 4 Slavic references.

SUBMITTED
AVAILABLE
Card 1/1

29 Jun 1954
Library of Congress.

SADOVSKIY, A.S.

Selecting a circuit for telephone sets equipped with transistor
amplifiers. Elektrosviaz' 12 no.8:60-69 Ag '58. (MIRA 11:8)
(Telephone--Equipment and supplies) (Transistor amplifiers)

SADOVSKIY, Akim Samoylovich. Prinimal uchastiye SOLOGUB, S.V.;
FRIDMAN, S.L.; KUL'BATSKIY, K.Ye., otv. red.; KOKOSOV,
L.V., red.; VOLODARSKAYA, V.Ye., red.

[Textbook on the theory of electrical communication]
Zadachnik po teorii elektricheskoi sviazi. Izd.2., pe-
rer. Moskva, Sviaz'izdat, 1963. 345 p.
(MIRA 17:7)

SADOVSKIY, A.S.

Telephone apparatus with increased sensitivity. Elektrosviaz'
18 no.2:58-68 F '64. (MIRA 17:3)

L 21305-66

ACC NR: AP6004998

(A)

SOURCE CODE: UR/0106/66/000/001/0038/0047

AUTHOR: Sadovskiy, A. S.

13
B

ORG: none

TITLE: Modern telephone subscribers' sets

SOURCE: Elektrsvyaz', no. 1, 1966. 28-47

TOPIC TAGS: telephone equipment, telephone set

ABSTRACT: A brief review of modern telephone subscribers' sets based on 1949-64 Soviet and 1951-63 Western published sources is offered. In recent years, the sets have been improved in these three respects: (1) Better electro-acoustic and structural characteristics of the microphone and its higher sensitivity; (2) Same about the telephone; (3) Better anti-sidetone feature (ASF). The carbon microphone, electromagnetic telephone, and differential-transformer ASF are still used in most subscribers' sets. They are being further improved because enhancing the set sensitivity by introducing transistor circuits, though beneficial for its characteristics, results in higher cost and complexity of the set. Specifically, these points are

Card 1/2

UDC: 621.395.721.3/5

L 21305-66

ACC NR: AP6004998

discussed in the article: ASF and its automatic control; sensitivity; transfer factor and distortion of Soviet-made and German carbon microphones; frequency characteristics of Soviet and Bell telephones; two author's telephone-set circuits with transistorized amplifiers; transistorized long-distance sets; ASF voice-controlled sets; speakerphones. Orig. art. has: 11 figures and 1 table.

SUB CODE: 17, 09 / SUBM DATE: 10Jun65 / ORIG REF: 011 / OTH REF: 008

Card 2/2

7/19/5

OSTROVSKIY, G.M.; VOLKOVA, A.N.; SAROVSKIY, A.S.; GEL'BERMAN, A.I.

Use of nonlinear programming methods for determining the kinetic equation constants for the synthesis of acrylic acid nitrile. Khim. prom. 41 no.1:31-37 Ja '65. (MIRA 18:3)

GEL'BSHTEYN, A.I.; BAKSHI, Yu.M.; STROYEVA, S.S.; KUI'KOVA, N.V.; LAFIDUS,
V.L.; SADOVSKIY, A.S.

Kinetics and mechanism of oxidative ammonolysis and partial
oxidation of propylene on bismuth-molybdenum catalysts. Kin.
i kat. 6 no. 6:1025-1032 N-D '65 (MIRA 19:1)

1. Fiziko-khimicheskiy institut imeni Karpova. Submitted July 28,
1964.

SADOVSKIY, A. V.

Physicomechanical properties of the moss and peat cover in the
tundra. Mat. k osn. uch. o merz. zon. zem. kory no.6:149-157 '60.
(MIRA 13:10)

(Peat) (Low temperature engineering)

SADOVSKIY, B.D., kandidat tekhnicheskikh nauk.

Magnetizing permanent magnet poles of electrical machines. Vest.elektroprom.
18 no.12:5-7 D '47. (MLHA 6:12)

1. Vsesoyuznyy elektrotekhnicheskii institut im. V.I.Lenina.
(Electromagnets)

Elementy sistem avtomaticheskogo regulirovaniya. ch. 11
Chuvstvitel'nyye usilitel'nyye i spetsialnye 'nyye elementy
(Elements of Automatic Control Systems. pt. 1: Sensing
Amplifying and Control Elements) Moscow, Mashgiz, 1959. 722 p.
(Series: Osnovy avtomaticheskogo regulirovaniya, t 2) Errata
allp inserted. 13,000 copies printed.

Reviewers: F. P. Galtseyev, Candidate of Technical Sciences,
V. A. Karshev, Doctor of Technical Sciences, P. Klobukov,
Candidate of Technical Sciences, V. V. Seriya, Candidate of
Technical Sciences, Yu. B. Ragozin, Doctor of Technical Sciences,
Yu. R. Meyngol'd, Engineer, B. I. Gerasimov, Doctor of Technical
Sciences, B. D. Sadovskiy, Candidate of Technical Sciences,
A. G. Shayev, Candidate of Technical Sciences, and A. A. Shvaykov
Candidate of Technical Sciences; Scientific Eds.: I. M. Vilenberg,
Candidate of Technical Sciences, A. I. Moldavet, Candidate of
Technical Sciences, and Yu. Ye. Ruzskiy, Candidate of Technical
Sciences; Ed. of Series: V. V. Solodovnikov, Doctor of Techni-
cal Sciences, Professor; Eds. of Publishing House: G. P. Polyakov,
A. G. Achamova, and G. M. Konovalev; Tech. Eds.: A. Ya. Tikharov
and T. P. Sokolova) Managing Ed. for Literature on Machine
Building and Instrument Construction (Mashgiz): N. V. Pokrovskiy,
Engineer.

PURPOSE: This book is intended for engineering and scientific
personnel and for instructors of vuzes concerned with problems
of automatic control.

COVERAGE: The authors explain the principle of operation of auto-
matic control elements and servomechanisms. They also discuss
the operation of automatic control circuits and present equations of
static and dynamic characteristics of automatic control
elements. They describe sensing elements, amplifiers, control
elements and transducers. The book contains Sections I, II, and
III of Part 1, Volume II, "Principles of Automatic Control." The
following persons participated in writing the present work:
D. A. Braslavskiy, Candidate of Technical Sciences, paragraphs 4 of
Chapter III and paragraphs 1-8 and 14 of Chapter IV;
L. S. Gol'dfarb, Doctor of Technical Sciences, paragraphs 1, 2,
6 and 7 of Chapter I; A. I. Guzenko, Candidate of Technical
Sciences, paragraph 1 of Chapter VIII; X. Ye. Dmitriyev,
Candidate of Technical Sciences, paragraph 2 of Chapter XIII;
V. A. Kalashnikov, Engineer, Chapter XIV; P. P. Klobukov,
Candidate of Technical Sciences, paragraphs 2 and 3 of Chapter
VIII; P. P. Klobukov, Candidate of Technical Sciences, Chapter
XIII; X. M. Kravov, Candidate of Technical Sciences, paragraph
1 of Chapter XIII, and Chapter IV; D. S. Feibin, Doctor of
Technical Sciences, paragraphs 1-3 of Chapter I, Chapter XIV, and
Candidate of Technical Sciences, paragraph 1 of Chapter XIV;
Chapter IV; V. A. Rogoznik, Candidate of Technical Sciences, and
Chapter VII; Yu. B. Ragozin, Candidate of Technical Sciences, and
paragraph 8-10 of Chapter 1 of paragraphs 2-5, 12, 13
and 14 of Chapter II; paragraph 3 of Chapter XIII, and Chapter II;
A. D. Sadovskiy, Candidate of Technical Sciences, paragraphs 1 and
2 of Chapter I; A. A. Sokolov, Candidate of Technical Sciences,
Chapter VI; V. K. Titov, Candidate of Technical Sciences,
paragraphs 9-13 of Chapter IV, paragraph 4 of Chapter X, and
Chapter II; G. M. Ulanov, Candidate of Technical Sciences,
paragraph 1 of Chapter II; Ye. V. Filipchuk, Candidate of Techni-
cal Sciences, paragraphs 6-11, 14-16 and 18-29 of Chapter II;
A. Ye. Kharybin, Candidate of Technical Sciences, Chapter VI; and
V. A. Khokhlov, Candidate of Technical Sciences, paragraph 1 of
Chapter I, and paragraph 1 of Chapter XIII. References appear at
the end of each chapter.

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SOV/129-59-5-2/17

AUTHORS: Engineer B.K. Sokolov; Dr. Tech. Sc. Prof. B.D. Sadovskiy

TITLE: On the Structural Mechanism of Formation of Austenite during Heating of Steels (O strukturnom mekhanizme obrazovaniya austenita pri nagreve staley)

PERIODICAL: Metallovedeniye i Termicheskaya Obrabotka Metallov, 1959, Nr 5, pp 7-14 + 1 plate (USSR)

ABSTRACT: In earlier work of the authors and their team (Refs 1-6), it was shown that as a result of slow heating of previously over-heated and hardened steel austenitic grains are formed in the process of phase recrystallization which correspond in size and shape to the original austenite. Increase of the hardening speed in the range of phase transformations leads to the formation of fine austenitic grain which has a preferential crystallographic orientation within the limits of the original grain. The authors suggest that such crystallographic ordering should be called the secondary intra-granular texture. Disturbance of the order takes place during heating to higher temperatures and this is obviously due to recrystallisation of the austenite caused by phase hardening. In increasing further the heating speed and

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On the Structural Mechanism of Formation of Austenite during Heating of Steels.

changing over to very high heating speeds the formation is again observed of austenite grains corresponding in size and shape with the large original grains, which break up during subsequent increases in temperature. In the here-described work the authors studied the structures which are associated with the formation of austenite in steels at various heating rates. The investigations were carried out on low alloy steels with chemical compositions as entered in Table 1 (p 7). Rods of the steel 40KhGS were heated to 1300°C, held for 2 hours at that temperature, and quenched in oil. The structure of the specimens prepared from these rods consisted of coarse lamellar martensite. The specimens were heated with a pre-determined speed to the appropriate temperature and after holding them at that temperature for the necessary time they were quenched in water. Vacuum metallography techniques were used for direct observation of the structural change at elevated temperatures. The grain boundaries were etched with a solution of picric acid in xylol after tempering the specimens in the range of temperatures where temper

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On the Structural Mechanism of Formation of Austenite during Heating of Steels

brittleness develops. The existence of an intragranular texture was established visually from the selective shine of the microstructure and of the fractured specimen and also by means of X-ray structural analysis. The following were investigated: influence of the speed of heating in the range of phase recrystallization on the dimensions of the austenitic grains (Fig 1, plate); structural mechanism of re-establishment of the austenite grain during slow heating (Fig 2); structural mechanism of re-establishment of the original grain during rapid heating of non-tempered steel; structural mechanism of obtaining a fine austenitic grain during heating at intermediate speeds (Fig 3); influence of the chemical composition of steel. On the basis of the obtained results the authors conclude that: (1) when heating steels which have a crystallographically ordered initial structure (martensite) the influence of the speed of heating manifests itself in a very pronounced manner on the structure of the forming austenite. (2) In the case of slow heating the initial austenitic grain recovers and during phase transformation process the formation can be

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observed of numerous austenite centres. The recovery can be explained by the crystallographic correspondence between the occurring austenite germinations and the initial structure. (3) A very rapid heating of hardened steel also leads to the re-establishment of the dimensions of the original austenite grain and this is attributed to the "diffusionless" mechanism of austenite formation. (4) On heating steel at intermediate speeds a fine grain austenite structure is observed. The dimensions of the initial austenite grain will be the smaller, the shorter the time of passage through the critical temperature range. The dimensions of the grain will not be determined by the total number of the forming austenite centres but only by the quantity of some of them. This can be explained on the basis of assuming the formation of a metastable austenite. (5) The here-indicated character of the influence of the speed of heating on the structure of the

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produced austenite is valid for a considerable number of steels.

There are 4 figures, 2 tables and 14 references, 13 of which are Soviet and 1 German.

ASSOCIATION: Institut Fiziki Metallov AN SSSR (Institute of Metal Physics, Ac. Sc. USSR)

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VLODAVETS, V.V., kand.med.nauk; ZUYKOVA, Ye.Yu., mladshiy nauchnyy sotrudnik;
KICHENKO, M.G., kand.med.nauk; MATS, L.I., prof.; NATANSON, G.L.,
prof. [deceased]; PERTSOVSKAYA, M.I., kand.biologicheskikh nauk;
PETRYANOV, I.V.; RAZUMOV, A.S., prof. [deceased]; SADOVSKIY, B.F.,
kand.khimicheskikh nauk

Use of a new type of "microfil" filters for the concentration and
indication of bacteria from the air, water and soil. Gig. i san. 27
no.3:51-55 Mr '62. (MIRA 15'4)

1. Iz Instituta obshchey i kommunal'noy gigiyony imeni A.N.Sysina
AMN SSSR i Fiziko-khimicheskogo instituta imeni L.Ya.Karpova.
2. Chlen-korrespondent AN SSSR (for Petryanov).
(AIR--MICROBIOLOGY) (WATER--MICROBIOLOGY)
(SOILS--MICROBIOLOGY) (BACTERIOLOGY--EQUIPMENT AND SUPPLIES)

SADOVSKIY, B.F.; VLODAVETS, V.V.; ZUYKOVA, Ye.Yu.; MATS, L.I.;
PETRYANOV, I.V.

Use of a new "mikrofil" type filter for the indication of
bacterial aerosols. Mikrobiologiya 32 no.2:323-326 Mr-Apr '63.
(MIRA 17:9)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni
Karpova i Institut obshchey i kommunal'noy gigiyeny imeni Sysina
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Under Russian operation. Doc. 40 SSB 155 no. 12/12-76 p. 149.

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1. Vostochno-Kavkazskiy gosudarstvennyy universitet. Submitted April 17, 1965.

ACC NR: AP7007591

SOURCE CODE: UR/0042/66/021/005/0263/0265

SADOVSKIY, B. N.

"Uniqueness Conditions for Ordinary Differential Equations"

Moscow, Uspekhi Matematicheskikh Nauk (Progress in Mathematical Sciences),
Vol. 21, No. 5, 1966, pp. 263-265.

Abstract: The family of equations

$$\frac{dz}{dt} = f(t, z) + z, z(0) = 0$$

for various \mathcal{E} is examined. Theorems are given which establish the uniqueness of the solutions to this family for $\mathcal{E} = \mathcal{E}_0$, even if there is no uniqueness for other \mathcal{E} . The uniqueness of the scalar equation $dx/dt = x^{1/2} + 1, x(0) = 0$, can also be established.

The author thanks M. A. Krasnosel'skiy and P. P. Zabreyko for their attention and advice. Orig. art. has: 5 formulas. [JPRS: 39,848]

ORG: none

TOPIC TAGS: ordinary differential equation, uniqueness

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"Comparative Data on the Regeneration of Blood in Certain
Agricultural and Laboratory Animals." Cand Biol Sci, Omsk
Veterinary Inst, Omsk, 1953. (RZhBiol, No 4, Oct 54)

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Higher Educational Institutions (10)

SC: Sum. No. 481, 5 May 55

SADOVSKIY, D., glavnyy inzhener.

Metal bandage for strengthening formwork sections for massive concrete structures. Mor.1 rech.flot 13 no.4:31 Ag '53. (MIRA 6:10)

1. Stroitel'noye upravleniye no.8. (Concrete construction--Formwork)

SADOVSKIY, D., inzhener.

Errors in the construction of a deep-water pier. Mor. i rech. flot 14
no. 3:25-26 Mr '54. (MLRA 7:5)

(Piers)

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(Hydraulic structures)

SADOVSKIY, D.

Efficient type of cushioning device for piers. Mor.flot.
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(Piers--Shock absorbers)
(Anchorage--Safety devices)

SADOVSKIY, D.I., inzh.

Current-producing devices for creating ice-free spaces. Transp.
stroi. li no.1:20-21 Ja '61. (MIRA 14:1)
(Ice on rivers, lakes, etc.) (Hydraulic structures)

~~SADOVSKIY, B.I., inzh.~~

Analysis of the technical and economic indices of precast reinforced
concrete mooring structures. Transp. stroi. 12 no.11:39-41 N '62.
(MIRA 15:12)

(Docks) (Precast concrete construction)

SADOVSKIY, D.F., starshiy prepodavatel'

Graphoanalytical method for designing vertical planning of large
areas. Trudy Sib.avt.-dor.inst. no.6:13-20 '57.

(MIRA 12:2)

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SADOVSKIY, F

USSR / General Topics. Methodology, History, Scientific Institutions and Conferences, Instruction, Bibliography and Scientific Documentation. A-1

Abs Jour : Ref Zhur - Khimiya, No 5, 1958, No 13414

Author : F. Sadovskiy

Inst : Not given

Title : Building Materials Industry in 40 Years.

Orig Pub : Stroit. materialy, 1957, No 10, 4 - 12

Abstract : The cement and brick industry, the production of assembly reinforced concrete, the slate industry, the production of paper roofing materials, the plaster-of-paris, ceramic and glass industry, the production of sanitary-technical equipment, the standard house building industry are discussed.

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