KOZLOV, V. V.; VOL'FSON, T. I.; IODKO, M. O.; KOZLOVA, N. A.; TUBYANSKAYA, G. S.

Naphthalene series. Part 27: Conversions of naphthalenesulfonyl chlorides to dinaphthyl sulfones. Zhur. ob. khim. 32 no.12:4077-4079 D '62. (MIRA 16:1)

(Naphthalenesulfonyl chloride) (Sulfone)

- VOL'FSON, T. I.

USSR/Human and Animal Physiology - Blood. Blood Coagulations. T-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45968

Author : Vol'fson, T.I.

Inst : All-Union Society of Physiologists, Biochemists, and Pharmacologists.

Title : The Mechanics of Fibrinogenase Activity.

Orig Pub : Tr. Vses. o-va fiziol., biokhim. i farmakologov, 1956, 3, 113-114.

Abstract : Studies were made of fibrinogen (F) changes caused by fibrinogenase within the system of ferments (active globulin preparation of fibrinogenase) and of substrata (fibrinogen solutions). During the period of F changes (7-80 minutes), the amounts of residual N and of free amino groups did not increase. F disappeared completely, while the total number of globulins did not change.

Card 1/2

USSR/Human and Animal Physiology - Blood. Blood Coagulation. T-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45963

Before and after F disappearance, the lower limits of salted-out $(HN_4)_2SO_4$ and Na_2SO_4 globulins did not change within the ferment-substrata system. Apparently, fibrinogenase catalyzes the transformation of F into another protein (or proteins) of the globulin fraction without a deep proteolytic decomposition of F. -- A.D. Beloborodova

Card 2/2

USSR/Human and Animal Physiology. Blood. V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26816.

Author : V.S. Il'in, T.I. Vol'fson, Z.A. Chaplygina and K.F. Krayzmer

Inst :

Title : The Influence of the Nervous System on the Activity of Blood Fibrinogenase.

Orig Pub: Tr. Vses. obshestva fiziol., biokhim. i farmakologov, 1956, 3, 117-118.

Abstract: Active fibrinogenase was not detected in the blood of 30 healthy individuals, but was found in the blood of 22 out of 40 surgical patients on the day preceding a serious operation. In these same patients the active enzyme was found in only five cases a day after the operation. Analogous data was obtained

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Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26816.

in relation to 54 stomatological patients prior to operation. Active fibrinogenase was detected in the blood of cats put to death rapidly by means of suffocation, although the degree of activation of the enzyme was less than in the blood of humans experiencing sudden death. Activation of fibrinogenase in the blood of cats killed in the same way but in a state of profound amytal narcosis was noted in only 20% of the experiments. Activation of fibrinogenase was not detected in these experiments in the blood of previously decerebrated cats. These data are indicative of the considerable importance of the central nervous system in the activation of fibrinogenase in the blood. In 13 out of

USSR/Human and Animal Physiology . Blood. V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26816.

16 experiments, injecting adrenalin intravenously into cats resulted in the activation of fibrinogenase in the blood. It is possible that adrenalin manifests an activating influence through the nervous system.

Card : 3/3

Vol'fson, V. G.

Low-alloy silicon-manganese steels. S. I. Vol'fson, V. G. D'yakov, and Z. A. Abramova. *Vestnik Mashinostroeniya* 1955, No. 6, 65–7.—Samples of a 16-mm. plate in the as-rolled state and specimens of normalized 529 × 9 mm. seamless and electrically welded pipes made of steel contg. C 0.06–0.15, Mn 1.1–1.4, Cu 0.3 max., Ni 0.3, Cr 0.1, S 0.01–0.015, P 0.02% were tensile tested at 20 to 350° and at 20 to −75°. Their yield strength in the 20–350° range was 39.0–23.5 kg./sq. mm., tensile strength 52.9–53.1 kg./sq. mm., elongation 25.5–23.5%, and reduction of area 62–8%, while their impact strength in the 20 to −75° range was reduced from 13 to 16 kg./m./sq. cm. to 5.5–9 kg./m./sq. cm. for plate and from 10–12 to 4–8 kg./m./sq. cm. for seamless pipes. The steel showed some aging but developed practically no hardening on welding. J. D. Gat

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(2)

KECHEKMYAN, A.N.; VOL'FSON, V.I.

Test drilling with No.7 bits in Bashkiria. Burenie no.8:6-9 '64.
(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut burovoy tekhniki.

VOL'FSON, V.I.; GEL'FGAT, Ya.A.; ORLOV, A.V.; CHERVONSKIY, Ye.G. [deceased]

Results of drilling wells with No.7 bits. Trudy VNIIBT no.14:33-43 '65. (MIRA 18:5)

VOL[illegible]

[illegible] problems of organizing the continuous operation in the overall repair of residential buildings. Nauch. trudy AKKH no.31:149-165 '64. (MIRA 18:9)

KHIMCHIN, A.D.; VOL'FSON, V.L.

Technology of assembling prefabricated flooring from single-hollow reinforced concrete floor boards. Nauch. trudy AKKH no.31:172-178 '64. (MIRA 18:9)

VOLGIN, Vladimir Ivanovich; KULAGINA, T.I., red.; VODOLAGINA, S.D., tekhn.red.

[Brachiopods from upper Carboniferous and lower Permian deposits of southern Fergana] Brakhiopody verkhnekamennougol'nykh i nizhnepermskikh otlozhenii IUzhnoi Fergany. Leningrad, Izd-vo Leningr.univ., 1960. 202 p. (MIRA 14:1)
(Fergana--Brachiopoda, Fossil)

VOLGIN, V.I.

New species of Brachicpoda from upper Paelozoic sediments in southern Fergana. Vest. LGU 15 no.18:29-37 '60. (MIRA 13:9)
(Fergana--Brachiopoda, Fossil)

VOL'FSON, V.Ya.

Stationary composition of a working vanadium oxide catalyst. Kin.i kat. 6 no.3:553-556 My-Je '65. (MIRA 18:10)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

VOL'FSON, V.Ya.; GANYUK, L.N.

Use of electron paramagnetic resonance for studying the catalyst.
Usp. khim. 34 no.9:1648-1673 S '65. (MIRA 18:10)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

VOL'FSON, V.Ya.; OANYUK, L.N.

Vanadium catalysts for naphthalene oxidation. Kin. i kat. 6 no.2: 306-312 Mr-Ap '65. (MIRA 18:7)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

VOL'FSON, V. Ya., Cand. Chem. Sci. (diss) "Aspects of Catalytic Oxidation of Naphthalene." Moscow, 1961, 14 pp. (Moscow Chem-Eng. Instit.) 150 copies (KL Supp 12-61, 255).

ROYTER, V.A.; KORNEYCHUK, G.P.[Korniichuk, H.P.]; VOL'FSON, V.YA.; ZHIGAYLO, Ya.V.[Zhyhailo, IA.V.]

Kinetics of the oxidation of naphthalene in commercial layers of vanadium catalysts. Dop.AN URSR no.3:345-348 '60. (MIRA 13:7)

1. Institut fizicheskoy khimii im. L.V.Pisarzhevskogo AN USSR i Rubizhanskiy khimicheskiy kombinat. 2. Chlen-korrespondent AN USSR (for Royter).
(Naphthalene) (Oxidation)

VOL'FSON, V.Ya., KORNEYCHUK, G.P., ROYTER, V.A.

Characteristics of the catalytic oxidation of naphthalene. Part 1: Kinetics of oxidation of phthalic anhydride on a vanadium oxide catalyst. Ukr. khim. zhur. 26 no.3:305-313 '60.
(MIRA 13:7)

1. Institut fizicheskoy khimii AN USSR.
(Phthalic anhydride) (Vanadium oxide)
(Oxidation)

S/073/60/026/003/006/011/XX
B023/B060

AUTHORS: Vol'fson, V. Ya., Korneychuk, G. P., and Royter, V. A.

TITLE: Characteristic Features of the Catalytic Oxidation of Naphthalene. I. Kinetics of the Oxidation of Phthalic Anhydride on a Vanadium Oxide Catalyst

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 3, pp. 305-313

TEXT: The authors studied the kinetics of oxidation of phthalic anhydride on a coarse-crystalline vanadium oxide catalyst under conditions excluding the distorting effect due to diffusion. The concomitant reactions were found to obey the following kinetic equations: the reaction rate of maleic anhydride formation $W_1 = k_1 \cdot C_{phth} \cdot a / C_{prod}$, the reaction rate of intensive oxidation of phthalic anhydride $W_2 = k_2$, where k_1, k_2 are the rate constants, C_{prod} the total concentration of oxidation products of phthalic anhydride in the reaction zone. The activation heat of the formation reaction of maleic anhydride was calculated on the basis of the Arrhenius equation and

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was found to be E = 58.12 kcal/mole. The factor B_1 of the exponential function was found to be $B_1 = 1.18 \cdot 10^{11}$. For the reaction of the intensive oxidation of phthalic anhydride E_2 = 40.92 kcal/mole and $B_2 = 2.45 \cdot 10^5$. A comparison between the authors' own results and the data offered by the literature showed that one of the factors ensuring the high selectivity of the catalytic process of producing phthalic anhydride from naphthalene is the high stability of phthalic anhydride toward oxidation (Ref. 4). The discrepancy between the partial reactions of phthalic anhydride and the reactions of its complete oxidation appears incomprehensible at first. The zero order of the reaction of the intensive oxidation of phthalic anhydride gives ground to the assumption of the catalyst surface being saturated by phthalic anhydride. The first order of the formation reaction of maleic anhydride from phthalic anhydride presupposes that there is no such saturation. This contradiction is disposed of when one assumes that, firstly, the reaction of the intensive oxidation of phthalic anhydride requires the combination of a phthalic anhydride molecule with oxygen, while

Characteristic Features of the Catalytic Oxidation of Naphthalene. I. Kinetics of the Oxidation of Phthalic Anhydride on a Vanadium Oxide Catalyst

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B023/B060

the reaction of the partial oxidation requires the combination of two phthalic anhydride molecules with oxygen; that, secondly, the catalyst surface is inhomogeneous and only its active centers are saturated with phthalic anhydride. The reaction of intensive oxidation taking place on these active centers is actually independent of the concentration of the product to be oxidized. At the same time, the rate of the reaction of partial oxidation of phthalic anhydride is certainly dependent upon its concentration in the volume or at the less active places and is inhibited by the reaction products which render the access of phthalic anhydride to the place of reaction more difficult. The discrepancy observed here has been observed and described already earlier (Refs. 2, 3, and 6). The attached scheme serves to illustrate reactions taking place in the oxidation of phthalic anhydride. There are 9 figures, 2 tables, and 7 references: 6 Soviet and 1 US.

ASSOCIATION: Institut fizicheskoy khimii AN USSR
(Institute of Physical Chemistry of the AS UkrSSR)

SUBMITTED: June 7, 1959

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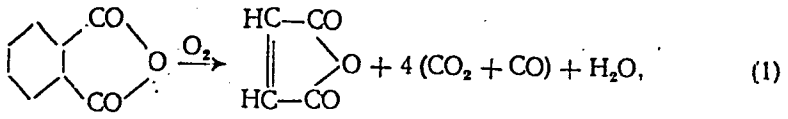

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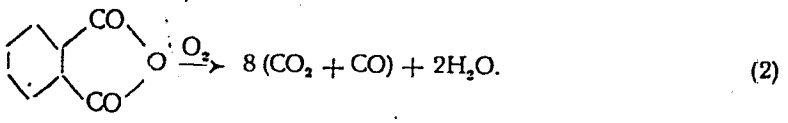

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VOL'FSON, V.Ya.; GANYUK, L.N.; TOTSKAYA, Ye.F.

Catalytic properties of vanadium bronzes. Kin.i kat. 5 no.6:1100-1103 N-D '64. (MIRA 18:3)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

VOL'FSON, V.Ya.; ZHIGAYLO, Ya.V.; TOTSKAYA, Ye.F.; RAKSHA, V.V.

Nature of the active component of vanadium oxide catalyst for naphthalene oxidation. Kin. i kat. 6 no.1:162-166 Ja-F '65.
(MIRA 18:6)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

VOL'FSON, V.Ya.; KORNEYCHUK, G.P.; ROYTER, V.A.; ZHIGAYLO, Ya.V.

Characteristics of the catalytic oxidation of naphthalene. Part 3: Kinetics of naphthalene oxidation in long beds of vanadium catalysts. Ukr. khim. zhur. 26 no.5:588-593 '60. (MIRA 13:11)

1. Institut fizicheskoy khimii im.L.V.Pisarzhevskogo AN USSR i Rubezhanskiy khimicheskiy kombinat.
(Naphthalene) (Oxidation)

S/073/60/026/004/010/015/XX
B023/B064

AUTHORS: Korneychuk, G.P., Royter, V.A., Vol'fson, V.Ya., Zhigaylo, Ya.V. and Lyubiteleva, A.Z.

TITLE: Characteristics of the Catalytic Oxidation of Naphthalene. 2. Investigations of the Oxidation of Naphthalene in Long Layers of Vanadium Catalysts

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 4 pp. 432-439

TEXT: The authors performed a comparative investigation between the combined charge suggested by them (it consists of a partly reduced vanadium oxide catalyst and a coarse-crystalline vanadium pentoxide, Ref.2) and the catalysts used in industry. Along with this investigation the efficiency and selectivity of the naphthalene oxidation was studied on the basis of the products obtained, and the temperature conditions prevailing along the layer were examined. By means of an enlarged plant and a commercial reaction apparatus the authors obtained data proving that the combined charge of vanadium oxide catalysts is superior to the

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Characteristics of the Catalytic Oxidation of Naphthalene. 2. Investigations of the Oxidation of Naphthalene in Long Layers of Vanadium Catalysts

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commercial reaction apparatus of vanadium pentoxide. Under these conditions the phthalic anhydride yield reached 80-85%. Under worse conditions of heat reduction and temperature balance in the commercial reaction apparatus the selectivity of the combined charge amounts to 76-78% (that of the industrial being 69-70%). Thus, the naphthalene consumption is reduced by 25%. The efficiency of the catalysts did not decrease. Data were obtained on the efficiency and selectivity of the vanadium catalyst with respect to phthalic- and maleic anhydride. The optimum experimental conditions, the change of the naphthalene concentration, its oxidation products and temperature were determined by taking samples along the layer of the vanadium catalysts. The authors found that at a given temperature and concentration of naphthalene in the gas mixture an optimum flow rate exists, which warrants a maximum yield of phthalic anhydride. It corresponds to the maximum velocity at which no naphthalene leaves the output of the plant. The method applied, in combination with the indicator method which serves to determine the naphthalene which has not entered into reaction, is suited for a quick and reliable evaluation of

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Characteristics of the Catalytic Oxidation of Naphthalene. 2. Investigations of the Oxidation of Naphthalene in Long Layers of Vanadium Catalysts

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B023/B064

the efficiency and selectivity of naphthalene oxidation catalysts, and also for determining the kinetic laws. A.T. Beskrovnaya, L.S. Fal'kovich and T. A. Sidorovich took part in the investigations. The authors thank S.T. Rashevskaya, head of the Tsentral'naya zavodskaya laboratoriya of the Rubezhanskiy Khimkombinat (Central Works Laboratory of the Rubezhanskiy Chemical Kombinat) for her help in the experiments. There are 3 figures, 3 tables and 8 Soviet references.

ASSOCIATION: Institut fizicheskoy khimii im. L.V. Pisarzhevskogo AN USSR (Institute of Physical Chemistry imeni L.V. Pisarzhevskiy of the Academy of Sciences, UkrSSR). Rubezhanskiy khimicheskiy kombinat (Rubezhnoye Chemical Kombinat)

SUBMITTED: July 7, 1959

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S/073/60/026/005/007/013
B004/B063

AUTHORS: Vol'fson, V. Ya., Korneychuk, G. P., Royter, V. A., Zhigaylo, Ya. V.

TITLE: Peculiarities of the Catalytic Oxidation of Naphthalene. 3. Kinetics of the Oxidation of Naphthalene in Long Layers of Vanadium Catalysts

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 5, pp. 588-593

TEXT: The purpose of the present work was to obtain data on the mechanism underlying the oxidation of naphthalene on vanadium catalysts under conditions comparable to those applied in industry. The following catalysts were used: 1) a commercial catalyst from molten V_2O_5; 2) a "combined mixture" with partly reduced V_2O_5. This catalyst had been suggested by the authors in Ref. 3; 3) tablets of the commercial vanadium-potassiumsulfate-silica gel catalyst (combined vanadium catalyst). Each experiment took 12-14 h. 2-3 h before the end of the experiment, samples were taken along

the catalyst layer, which were used to study the variations in concentration of naphthalene, naphthoquinone, maleic anhydride, CO_2, and CO. It was found that the partial reactions occurring during the oxidation of naphthalene on V_2O_5 catalysts obey the following kinetic equations: 1) $v_1 = k_1 C_n$ (formation of phthalic anhydride); $k_1 = 4.5 \cdot 10^{-3} - 4.6 \cdot 10^{-3}$; C_n = concentration of naphthalene. 2) $v_2 = k_2 \cdot C_n^{0.5}$ (formation of maleic anhydride); $k_2 = 0.0665 \cdot 10^{-5} - 0.0835 \cdot 10^{-5}$. 3) $v_3 = k_3 \cdot C_n^2$ (formation of naphthoquinone); $k_3 = 54 - 47.5$ [Abstracter's note: Obviously a misprint]. 4) $v_4 = k_4 \cdot C_{nq}$ (oxidation of naphthoquinone); $k_4 = 2.47 \cdot 10^{-3} - 2.55 \cdot 10^{-3}$; C_{nq} = concentration of naphthoquinone. 5) $v_5 = k_5 C_n$ (formation of products on account of intense oxidation); $k_5 = 1.10 \cdot 10^{-3} - 1.5 \cdot 10^{-3}$. The partial reactions occurring during oxidation on the combined vanadium catalyst obey the following equations: 1) $v_6 = k_6$ (formation of phthalic anhydride);

Peculiarities of the Catalytic Oxidation of Naphthalene. 3. Kinetics of the Oxidation of Naphthalene in Long Layers of Vanadium Catalysts

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$k_6 = 22.7 \cdot 10^{-8}$. 2) $v_7 = k_7 \cdot C_n$ (formation of maleic anhydride); $k_7 = 0.144 \cdot 10^{-3}$. 3) $v_8 = k_8 \cdot C_{ma}$ (oxidation of maleic anhydride); $k_8 = 0.72 \cdot 10^{-3}$; C_{ma} = concentration of maleic anhydride. 4) $v_9 = k_9 \cdot C_n$ (formation of naphthoquinone); $k_9 = 0.1 \cdot 10^{-3}$. The differences between the reaction constants obtained and the data of V. P. Ushakova and I. I. Ioffe are explained by the different specific surfaces of the catalysts used here. There are 3 figures, 2 tables, and 7 references: 6 Soviet and 1 British.

ASSOCIATION: Institut fizicheskoy khimii im. L. V. Pisarzhevskogo AN USSR (Institute of Physical Chemistry imeni L. V. Pisarzhevskiy of the AS UkrSSR). Rubezhanskiy khimicheskiy kombinat (Rubezhnoye Chemical Kombinat)

SUBMITTED: June 7, 1959

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L 31671-66 EWP(e)/EWT(m)/ETC(f)/EPF(n)-2/EWG(m)/T/EWP(t)/EWP(j)/EWP(k)/EWA(h)/ETC(m)-6/
ACC NR: AP6004186 EWA(1) LJP(c) DS/JD/ SOURCE CODE: UR/0075/66/040/001/0271/0275
WW/JW/JG/WB/RM

AUTHOR: Vol'fson, V. Ya.

ORG: none

TITLE: Sixth Ukrainian Conference on Physical Chemistry, dedicated to the memory of Academician L. V. Pisarzhevskiy on his 90th birthday

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 1, 1966, 271-275

TOPIC TAGS: chemical conference, electrolyte deposition, electrolyte, electrode potential, reaction mechanism, chemiluminescence, luminescence quenching, redox reaction, molecular spectroscopy, photochemistry, radiation chemistry, radiation polymerization, quantum chemistry, biochemistry

ABSTRACT: The regular Ukrainian Conference on Physical Chemistry, held 23-26 November 1964 in Kiev, was dedicated to the memory of Academician L. V. Pisarzhevskiy on his 90th birthday. About 300 Ukrainian physical chemists attended the meetings. Papers were presented on research in the fields of electrochemistry, chemical reaction mechanisms, photochemistry, radiation chemistry, quantum chemistry, and quantum biology. Electrochemistry: The broad topics discussed were properties of the electrolyte solutions (34 papers), electrode potential, kinetics of electrode processes, and electrolytic deposition of metals. Thermodynamic properties and electrical conductivity of aqueous and nonaqueous solutions of electrolytes were discussed in several papers. In a study of poly(vinyl alcohol) thin

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films, A. Ya. Gel'fman and R. G. Luzan (Kharkov) established a semiconducting character of temperature dependence of electric conductivity.

During the session on electrode potential, V. I. Minenko, N. S. Ivanova, and I. K. Fal'ko (Kharkov) reported that the oxide refractory diaphragms in certain galvanic cells act as membrane electrodes. Thirteen other papers were noted at the same session.

The session on the kinetics of electrode processes featured papers by: L. I. Antropov, and V. P. Chviruk (Kiev) on the kinetics of codeposition and dissolution of sodium and zinc on an amalgam electrode with certain practical conclusions on preparation of high-purity alkalis; G. A. Yemel'yanenko, G. G. Simulin, and Ye. N. Baybarova (Dneprpetrovsk) on electrolytic separation of certain metallic highly dispersed powders and fine crystalline dense deposits; A. I. Tsinman, V. S. Kuzub, and L. A. Sokolova (Severodonetsk) on the steel corrosion inhibiting effect of F^- (NaF) in an oxidizing medium (in a transpassive region). Four other papers were also noted.

Two papers on electrochemical kinetics were presented at the general session: Yu. K. Delimarskiy (Kiev) — latest achievements in the field of the kinetics of electrode processes in molten salts, and L. I. Antropov (Kiev) — application of reduced ϕ-potentials scale to electrochemical kinetics.

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ACC NR: AP6004186

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Four papers were noted at the session on electrolytic deposition of metals, including papers by V. G. Prikhodchenko, and Ye. V. Leontovich — electrolytic deposition of indium ultratraces, and V. S. Galinker and A. I. Saprykin — electrolytic deposition of Pb-Sb and Cd-Zn alloys. The authors of both papers are associated with Kiev Polytechnic Institute. Mechanism of Chemical Reactions and Reactivity: A total of 13 papers were noted. A.A. Ponomarenko, B.I. Popov, L. M. Amelina, L. V. Gritsenko, and R. Ye. Shindel' (Lvov) reported on the analytical application of chemiluminescence quenching by various [unspecified] organic compounds in the luminol-copper ammoniate-hydrogen peroxide system. K. B. Yatsimirskiy (Kiev) discussed (in a general session) the mechanism of catalytic redox reactions with formation of charge transfer complexes; such reactions, in the authors' opinion, are accelerated by substances which promote orientation of the atomic orbitals of the catalyst and reagent, i.e., the charge transfer. Photochemistry and Molecular Spectroscopy: Eleven papers were noted. A. Ye. Lutskiy (Kharkov) reported on electronic-vibrational spectra of monosubstituted benzenes. V. A. Grin', R. S. Lebedeva, and Yu. N. Forostyan (Zaporozh'ye) studied the effect of the nature of the substituent on molecular spectra of phenyl and pyridyl radicals. M. S. Ashkinazi, V. Ye. Karpitskaya, I. A. Dolidze, and B. Ya. Dain (Kiev) established the formation of free radicals in chlorophyll and pheophytin sensitized photooxidation of aromatic amines and

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determined the nature of the free radicals. L. M. Kutsyna (Kharkov) studied the solvent effect on absorption and fluorescence spectra of 1, 3, 5-triphenylpyrazolon. I. I. Dilung, and I. N. Chernyuk (Kiev) detected and explained stimulation of the fluorescence quenching of chlorophyll. Radiation Chemistry: Most of the papers were devoted to the effect of radiation on polymers. Yu. N. Nizel'skiy, K. A. Kornev, A. A. Kachan, and L. L. Chervyatsova (Kiev) studied radiation copolymerization of caprolactam and vinyl acetate and subsequent saponification of the latter to vinyl alcohol. A. S. Fomenko, et al. (Kiev) showed formation of the $-CH_2CONHCHCH_2-$ type radicals, evolution of H_2 and CO, and decrease in viscosity in radiation-induced degradation of poly-ε-caproamide. L. L. Nagornaya (Kharkov) revealed the dependence of radiation damage in plastic scintillators on the total γ-radiation dose and on the nature of radiation; the γ-radiation damage can be decreased by introducing two phosphors. Quantum Chemistry: These papers also included those on EPR studies of free radicals. A total of 12 papers were noted, several of which reported new mathematical expressions for calculating integrals of the ligand field and total energy of a system (Yu. A. Kruglyak), the state of 1s-helium-like structures, or dependence of the position of first absorption bands of very long polymethine dyes on the chemical structure of the nuclei (G. G. Dyadyusha, Kiev).

L 16671-66
ACC NR: AP6004186

Two papers were noted on semiconducting polymers: V. V. Pen'kovskiy, and V. S. Kuts (Kiev) affirmed the existence of the charge transfer complexes in the poly(phenylacetylene) - oxygen or iodine systems at 20C in vacuum; and G. F. Kventsel' (Kiev) calculated the electron mobility in semiconducting polymers. Physicochemical Problems of Molecular Biology: The most noted of the three papers listed in this category was the paper by V. M. Gayday and V. I. Danilov (Kiev) on the code of protein synthesis and its role in evolution promoting mutations. [ATD PRESS: 4193-F]

SUB CODE: 07 / SUBM DATE: none

Card 5/5

VOL'FSON, V. (Leningrad); STAROSKOL'TSEV, V (Lugansk); FEDYAYEV, S.: PERKOV, L.; TONKONOGOV, M. (Tashkent); PRUSOV, A. (Taldom); BELOV, B. (Orekhovo-Zuyevo); PETROV, V.

News from everywhere. Sov.foto 20 no.8:44-45 Ag '60. (MIRA 13:8)

1. Zaveduyushchiy fotokinolaboratoriyey TSentral'noy statsii yunykh tekhnikov imeni N.M.Shvernika (for Fedyayev). 2. Zaveduyushchiy fotolaboratoriyey pionerskogo lagerya Moskovskogo vysshego tekhnicheskogo uchilishcha im. Baumana (for Perkov).
(Photography)

VOL'FSON, V.Z.

Indications for an intranasal resection of the maxillary cavity. Trudy SMI 16:183-190 '63. (MIRA 18:1)

Intranasal resection of the maxillary sinus. Ibid.:191-192

1. Iz kafedry ukha, nosa i gorla (zav. - prof. G.M.Starikov) Smolenskogo gosudarstvennogo meditsinskogo instituta.

VOL'FSON, Ya.I.; STRASHUN, S.S.

Ferryboat for conveying automobiles and motortrucks. Biul. tekh.-ekon.inform. no.5:73-74 '59. (MIRA 12:8)
(Ferries)

VOL'FSON, Ya.I., inzh.; STRASHUN, S.S., inzh.

Universal barges for use on Siberian rivers. Sudostroenie 25 no.4:10-11 Ap '59. (MIRA 12:6)
(Barges) (Siberia--Inland navigation)

VOL'FSON, Ya.I., inzh.; STRASHUN, S.S., inzh.

Motorship "Erofei Khabarov." Sudostroenie 25 no.3:78
Mr '59. (MIRA 12:5)
(Mortorships)

VOL'FSON, Ya.I.

New freight and passenger diesel-propelled ships for Siberian rivers. Biul. tekh.-ekon.inform. no.5:67-69 '58. (MIRA 11:7)
(Siberia--Ships)

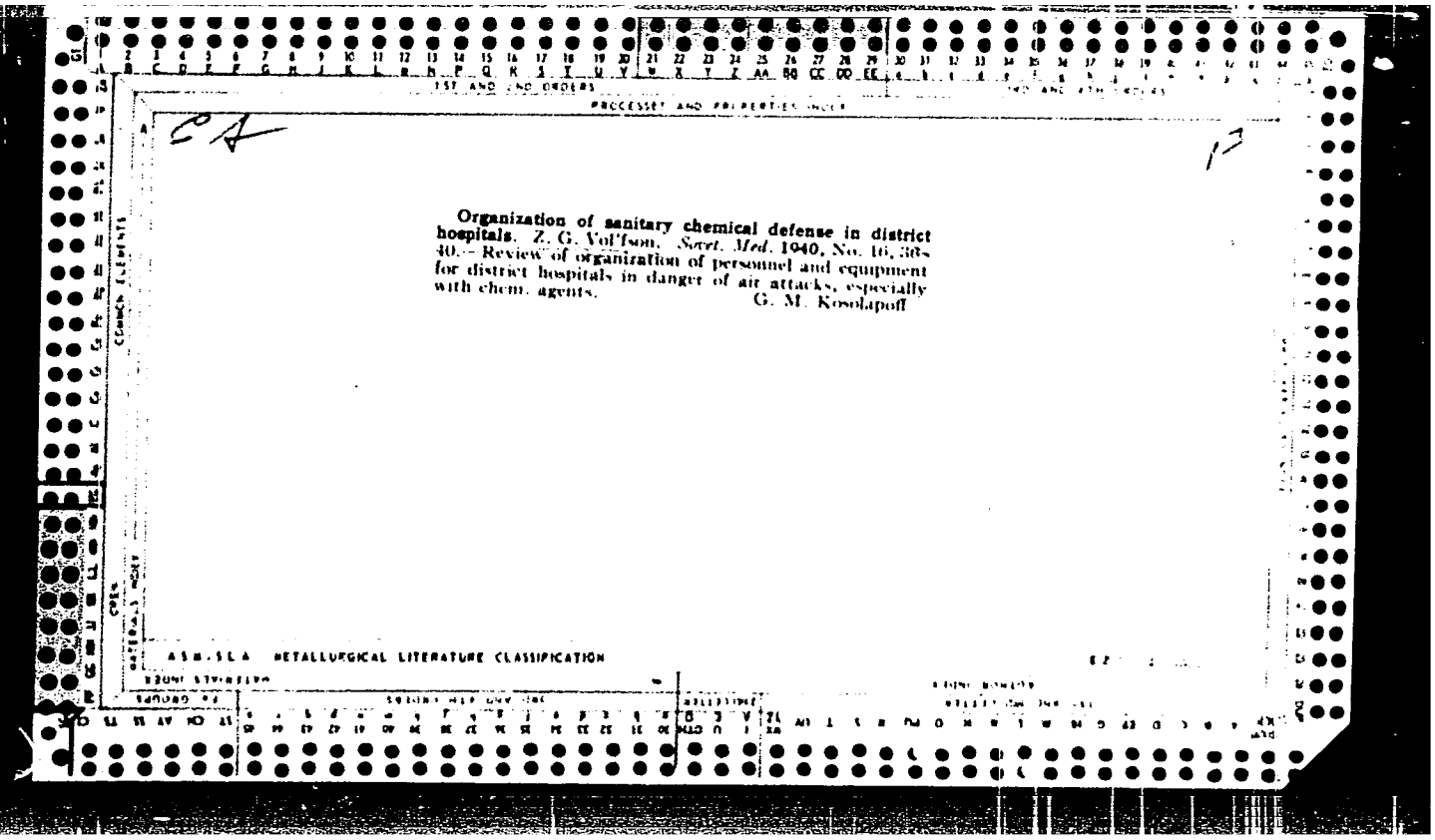
STRASHUN, S.S.; VOL'FSON, Ya.I.

Tank barges used on Siberian rivers. Biul. tekh.-ekon. inform. no.4:77-78 '58. (MIRA 11:6)
(Siberia--Tank vessels)

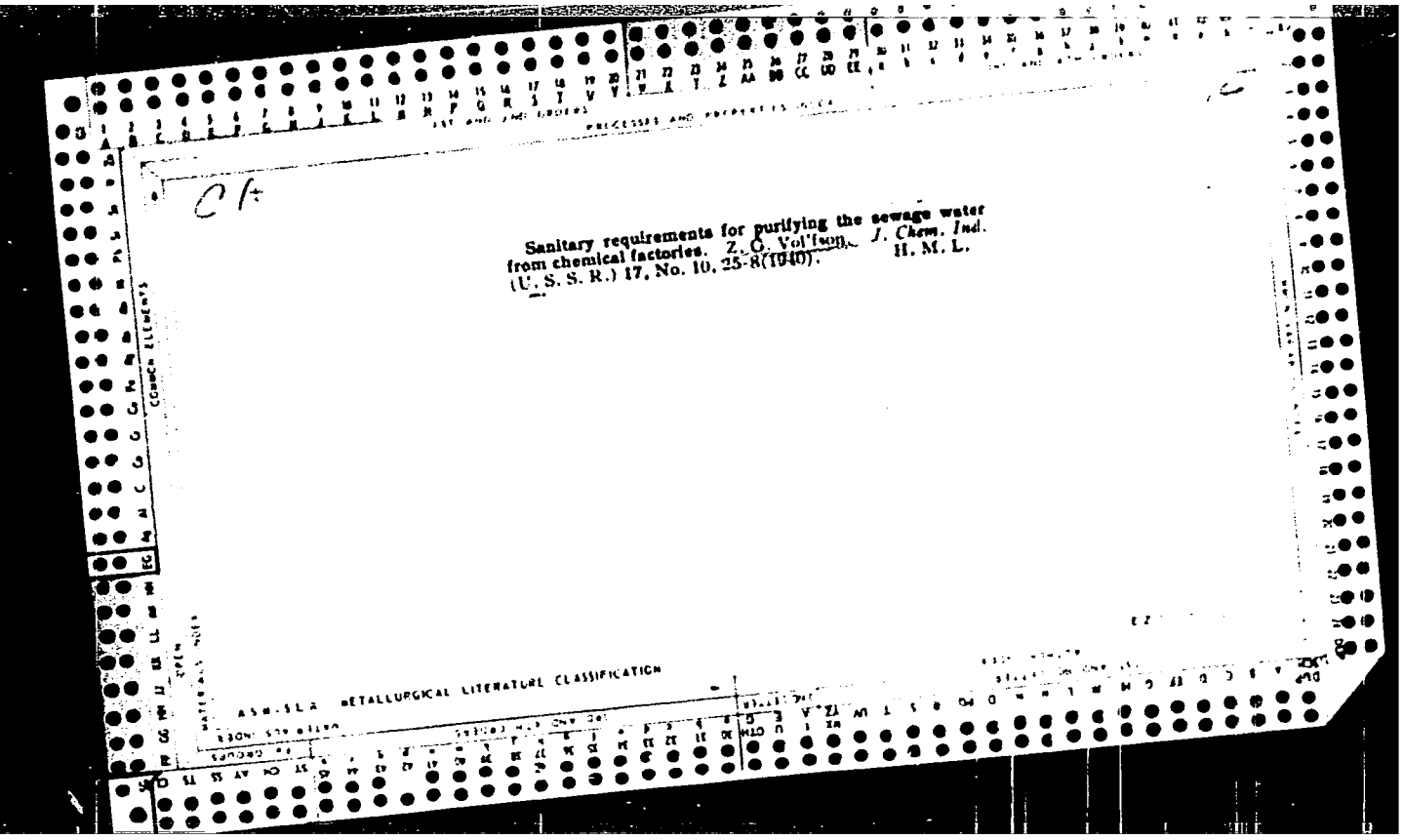
BOGOSLAVSKIY, A.L.; VOL'FSON, Ye.B.

On the problem of malignangt periosteal osteoma. Vest.rent. i rad. 34 no.4:70-72 Jl-Ag '59. (MIRA 12:12)

1. Iz rentgenovskogo otdeleniya (zav. - A.L. Bogoslavskiy) Gorodskoy onkologicheskoy bol'nitsy (glavnyy vrach P.Ye. Vakkhevich; vedushchiy onkolog - prof. F.M. Lampert [deceased]).
(OSTEOMA case reports)



Organization of sanitary chemical defense in district hospitals. Z. G. Vol'fson. *Sovet. Med.* 1940, No. 16, 38–40.—Review of organization of personnel and equipment for district hospitals in danger of air attacks, especially with chem. agents.
G. M. Kosolapoff



Cl-

Sanitary requirements for purifying the sewage water from chemical factories. Z. G. Vol'fson. *J. Chem. Ind.* (U. S. S. R.) 17, No. 10, 25-8(1940). H. M. L.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

VOL'FSON, Z. G. PA 20T37

USSR/Medicine - Public Health Apr/May 1947
Medicine - Hygiene and Sanitation

"The Results of the Scientific Conference of the Sanitary-Hygienic Institutes of the RSFSR," Z. G. Vol'fson, 3 pp

"Sovetskoye Zdravookhraneniye" No 4

Gives titles and sometimes brief accounts of reports read by various delegates. Mainly valuable from the standpoint of personnel and institutions.

20T37

VOL'FSON, Z. G.

21,681 VOL'FSON, Z. G. Nauchnaya sessiya gigiyenicheskikh institutov i [illegible] meditsinskikh institutov RSFSR... (Kazan', [illegible] g.) Trud. ob. inic, 1952, No. 7, Stl. 661-62.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1952.

VOL'FSON, Z. G.

29224 Itogi Respublikanskoy nauchnoy sessii gigienicheskikh institutov i kafedr gigieny meditsinskikh institutov RSFSR (Moskva. 5-9 apr. 1949 g.) Gigiena i sanitariya, 1949, No 8, s. 49-51

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

VOL'FSON, Z. G.

176T74

USSR/Medicine - Hygiene and Sanitation Sep 50
Societies, Medical

"Scientific Session of Hygiene Institutes and the Chair of Hygiene of Medical Institutes of the RSFSR," Z. G. Vol'fson

"Gig i San" No 9, pp 49-51

Outlines works presented, questions discussed, and resolutions and conclusions drawn at meeting held in Moscow, 29 May - 3 Jun 50, at Cen Sanitation Inst imeni Erisman. Agenda covered problems in hygiene of air, water and soil, labor hygiene, occupational diseases, food hygiene, and hygiene of children and infants.

176T74

VOL'FSON, Z. G.

Public Health

Results of the conference on planning for scientific thematics at Sanitation and Hygiene Institutes of RSFSR for 1952. Gig i san. no. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

VOL'FSON, Z.G., prof. (Moskva)

Concerning D.F.Partsef's article "Hygenic evaluation of air pollution in the area of gas service stations for refilling the tanks of gas-fuelled automobiles". Gig. sanit. 28 no. 2, 89-90 '63. (MIRA 17:2)

VOL'FSON, Z.G., prof.; BARABOY, V.A.

"Sanitary protection of the atmospheric air from pollution" by N.M.Tomson. Reviewed by Z.G.Vol'fson, V.A.Baraboi. Gig. i san. 26 no.4:108-111 Ap '61. (MIRA 15:5)
(AIR--POLLUTION) (TOMSON, N.M.)

VOL'FSON, Z.G., prof.

Concerning the article by M.V.Alekseeva, V.A.Khustaleva, "A study of exhaust gases from automobile traffic." Gig. i san. 26 no.5: 89-90 My '61. (MIRA 15:4)

(AUTOMOBILE EXHAUST GAS) (ALEKSEEVA, M.V.)
(KHRUSTALEVA, V.A.)

VOL'FSON, Z.G., prof.; TRAKHTENBERG, I.M., dotsent

"Textbook on hygiene" by R.D.Gabovich. Reviewed by Z.G.Vol'fson, I.M.Trakhtenberg. Gig. i san. 26 no.8:117-119 Ag '61. (MIRA 15:4)
(PUBLIC HEALTH) (GABOVICH, R.D.)

VOL'FSON, Z.G., prof.; KUSHAKOVSKIY, L.N., prof.; BARANNIK, P.I., prof.; MIKHALYUK, I.A., dotsent; SHMAL', D.D., dotsent

"Hygiene textbook" [1st and 2nd editions] by V.A.Pokrovskii. Reviewed by Z.G.Vol'fson and others. Gig. i san. 26 no.11: 102-106 N '61. (MIRA 14:11)

(HYGIENE) (POKROVSKII, V.A.)

VOL'FSON, Z.G., prof.

Behind the automobile steering wheel. Zdorov'e 6 no.10:30 O '60.
(MIRA 13:9)

(AUTOMOBILE DRIVERS--DISEASES AND HYGIENE)

VOL'FSON, Z.G.

On the pages of "Gigiena i sanitariia" in 1959. Zhur. mikrobiol. i immun. 31 no. 10:126-129 O '60. (MIRA 13:12)
(PUBLIC HEALTH—PERIODICALS)

VOL'FSON, Z.G., prof.

Dampness and house fungi. Zdorov'e 7 no. 2:31 F '61. (MIRA 14:2)

(DAMPNESS IN BUILDINGS)
(WOOD—STAINING FUNGI)

VOL'FSON, Z.G., prof.

Conference on problems in community hygiene. Gig. i san. 24 no.9: 87-89 S '59. (MIRA 13:1)

(PUBLIC HEALTH)

VOL'FSON, Z.G.; GABOVICH, R.D.; GORN, L.E.

"Chronic carbon monoxide poisoning"; a collection of papers from the Lwov Medical Institute. Reviewed by Z.G. Vol'fson, R.D. Gabovich, L.E. Gorn. Gig. i san. 24 no.1:90-92 Ja '59.
(MIRA 12:2)

(CARBON MONOXIDE--TOXICOLOGY)

VOLFSON, Z. I.

"Modification of the Technique of Laryngectomy aiming at Initial Cicatrization of the Wound."

report submitted for the Seventh Intl. Congress of Otorhinolaryngology, Paris, 23-29 July 1961

VOLFSON, Z. I. PA 34T47

USSR/Medicine - Bronchoscopy Nov/Dec 1947
Medicine - Instruments

"Krasnogvardeyets, a Bronchoscope Works," Prof Z. I. Volfson, Stalingrad, 1 p

"Vest Oto-rino-lar" No 6

Discusses the remarkable reconstruction of the Krasnogvardeyets bronchoscope works. In spite of this, however, there are several faults which should be corrected. Most of these are in reference to the manner in which the instrument is produced. Discusses the assembling of a "vatnik" which is usually manufactured in two parts, and suggests that because of the frequent accidents this appliance be constructed in one piece.

LC 34T47

BOBROVSKIY, N.A., prof., red.; VOL'FKOVICH, M.I., prof., red.; VOL'FSON, Z.I., prof., red.; LIKHACHEV, A.G., prof., red.; NEVSKIY, B.K., red.; PREOBRAZHENSKIY, B.S., prof., red.; SAGALOVICH, B.M., doktor med. nauk, red.; SAKHAROV, P.P., prof., red.; UNDRITS, V.F., prof., red. [deceased]

[Transactions of the first All-Russian Congress of Otorhinolaryngologists] Trudy pervogo Vserossiiskogo s"ezda otorinolaringologov. Moskva, Medgiz, 1963. 318 p. (MIRA 17:7)

1. Vserossiyskiy s"yezd otorinolaringologov. 1st. Volgograd, 1962. 2. Deystvitel'nyy chlen AMN SSSR (for Preobrazhenskiy). 3. Chlen-korrespondent AMN SSSR (for Undrits). 4. Glavnyy otorinolaringolog Ministerstva zdravookhraneniya RSFSR (for Bobrovskiy).

VOL'FSON, Z.I., professor.

Cases of foreign bodies in the respiratory tract. Vest.oto-rin. 15 no.4:85-86 Jl-Ag '53. (MLRA 6:9)

1. Klinika bolezney ukha, gorla i nosa Stalingradskogo meditsinskogo instituta.
2. Stalingradskaya oblastnaya klinicheskaya bol'nitsa.
(Respiratory organs--Foreign bodies)

BOBROVSKIY, N.A., prof., red.; VOL'FKOVICH, M.I., prof., red. (Saratov); VOL'FSON, Z.I., prof., red.; NEVSKIY, B.N., red.; PREOBRAZHENSKIY, B.S., prof., red.; SAGALOVICH, B.M., doktor med. nauk, red.; SAKHAROV, P.P., prof., red.; UNDRITS, V.F., prof., red. [deceased]

[Transactions of the First All-Russian Congress of Otorhinolaryngologists] Trudy Vserossiyskogo s"yezda otorinolaringologov. Moskva, Medgiz, 1963. 518 p. (MIRA 18:3)

1. Vserossiyskiy s"yezd otorinolaringologov. 1st, Volgograd, 1962. 2. Deystvitel'nyy chlen AMN SSSR (for Preobrazhenskiy). 3. Chlen-korrespondent AMN SSSR (for Undrits).

ACC NR: AM6035814 (A) Monograph UR/

Nifontov, Boris Ivanovich; Kireyev, Vasily Vasil'yevich; Kisilevich, Yevgeniy Mefodiyevich; Vol'ftrub, Iosif Arturovich; Sadkovich, Yan Fedorovich; Golomolzin, Arkadiy Ivanovich; Petrenko, Andrey Afans'yevich

Construction of underground structures (Stroitel'stvo podzemnykh sooruzheniy) Moscow. Izd-vo "Nedra", 1966. 293 p. illus., biblio. 2450 copies printed.

TOPIC TAGS: construction, mining engineering

PURPOSE AND COVERAGE: This book is intended for engineering and technical workers of construction, scientific-research, and design organizations studying the problems of building underground installations; it can also be used by workers of mine-construction organizations. In the book are discussed the basic problems of conducting mining operations during the construction of underground installations. There are 97 references, 72 of which are Soviet.

TABLE OF CONTENTS [abridged]

Card 1/2 UDC: 623.191.2+622 268.8

ACC NR: AM6035814

SUB CODE: 08, 13/ SUBM DATE: 03May66/ ORIG REF: 076/ OTH REF: 029/

Card 2/2

VOL'FTRUB, I.S.

Pangotherapy. Med. sestra, Moskva no.7:13-19 July 1953. (CIML 25:1)

1. Klaypeda.

VOL'FTRUB, I.S.

27342: VOL'FTRUB, I.S.-Parafinolechenie. Med. Sestra, 1949, No. 8, s. 16-19.

SO: Letopis'Zhurnal'nykh Statey, Vol. 47, 1948.

1. VOL'FTRUB, I. S.
2. USSR (600)
4. Hospitals - furniture, equipment, etc.
7. Portable tray for distributing medicins, Med. sestrs No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

VOL'FTRUB, I. S.

Nervous System - Diseases

Case of chloroleukemia with disorders of the central nervous system., Klin. med., 30, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____1953. Unclassified.

VOL'FTRUB, I. S.

Tumors

Case of chloroleukemia with disorders of the central nervous system Klin. med. 30 No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____1953. Unclassified.

VOL'FTRUB, I. S.

Waxes - Therapeautic Use

Ozocerite therapy., Med. sestra., 11, 1951

9. Monthly List of Russian Accessions, Library of Congress, March 1952 ~~1953~~, Uncl.

VOL'FTRUB, I.S. (g.Klaypeda).

Mud therapy. Med.sestra no.7:13-19 Jl '53. (MLRA 6:7)
(Earths, Medical and surgical uses of)

VOL'FTRUB, I. S., LT COL

PA 2/50T87

USSR/Medicine - Paraffin Therapy Aug 49
Therapy

"Paraffinotherapy," Lt Col I. S. Vol'ftrub, Med Corps, Garrison Hosp, 3½ pp

"Med Sestra" No 8

An anhydrous paraffin with a melting point of 52-55° is used. It is heated in a double-boiler type of apparatus. Gives directions for heating and application. It is indicated in various diseases, among them neuritis, bursitis, arthritis, and hypertonia. Paraffin, left over from one treatment, can be resterilized and used again. Chief, Garrison Hosp: Lt Col Klimov, Med Corps.

FDD

2/50T87

VOLFTRUB, I. S.

VOLFTRUB, I. S.

Technic, dosage and method of ultra-violet ray therapy. Med. sestra, Moskva No. 6, June 50. p. 11-6

1. Lt. Col., Medical Corps.

CLML 19, 5, Nov., 1950

VOL'FRUD, I. B.

47242

Paraffinolyechyenive. ryel. spectra, 1949, No. 3, p. 16-19

SO: LETOPIS' NO. 40

VOL'FTRUB, I. S.

Lechenie ozokeritom. Med. sestra, Moskva no. 11:24-27 Nov. 1951 (CIML 21:3)

1. Colonel, Medical Corps.

VOL'FTRUB, I.S.

VOL'FTRUB I. S.

K tekhnike primeneniia penitsillina. [Technique of penicillin application] Med. sestra, Moskva No. 11 Nov 50 p. 29-30.

1. NAI
C.L.M.L. Vol. 20, No. 2 Feb 1951.

Vol'FTSUM, L.B.

8.4-77

Vol'ftsum, L. B. Raschet ploshchadi secheniia truby, soedinialushchei verkhnii b'ef vodosliva s kolodtsem samopistsa. [Calculation of the area of the cross section of pipes connecting the upper water of a spillway by means of a self-recorder.] *Meteorologiia i Gidrologiia*, Leningrad, No. 1:41–42, Jan./Feb. 1955. 3 refs., 5 eqs. DWB—The equation developed by the author for calculating the connection of the pipe is $\omega = \frac{0.45\mu}{\sqrt{H}}$ where ω=cross section of pipe, μ=rate of increase of water level in well of self recorder, Ω=area of horizontal cross section of the well of the self-recorder, and g=acceleration of gravity $\sqrt{H}$=difference between level of water of upper water of the spillway and of the well of the self-recorder. *Subject Headings:* 1. Hydraulic engineering 2. Flow in pipes.—*I.L.D.*

VOL'FTSUN, I.B.

Dependence of maximum flood discharges resulting from rains on precipitation and discharge before the flood. Trudy GGI no.91:58-75 '61. (MIRA 14:8)
(Floods)

VOL'FTSUN, I.B.

Calculating losses of runoff from rain in a small drainage basin. Trudy GGI no.95:14-28 '62. (MIRA 15:6)
(Runoff)

VOL'FTSUN, I.B.

Change in the formation of surface snow-water runoff as a consequence of afforestation. Trudy GGI no.95:29-54 '62. (MIRA 15:6)

(Runoff) (Forest influences)

VOL'FTSUN, I.B.

Dissertation: "Processes Governing the Formation of Rain Floods and Procedures for Computing Them." Cand Tech Sci, State Hydrological Inst, Leningrad, 1953. (Referativnyy Zhurnal Geoligiya Geografiya, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

VOL'FTSUN, I.B.

Investigation of the formation of flash floods. Trudy GGI no.46: 5-47 '54. (MLRA 8:11)

(Floods) (Runoff)

VOL'FTSUN, I.B.

Analysis of the formation of maximum flow resulting from rainfalls and methods of calculating it. Trudy GGI no.76:5-55 '60. (MIRA 13:6)

(Runoff)

VOL'FTSUN, I.B.; KRESTOVSKIY, O.I.

Experimental study of the transformation of snow-water runoff by large depressions in the gullies of the Valday Hydrological Scientific Research Laboratory. Trudy GGI no.76:56-66 '60. (MIRA 13:6)

(Runoff)

VOL'FTSUN, I.B.

AID P - 1437

Subject : USSR/Meteorology and Hydrology

Card 1/1 Pub. 71-a - 11/23

Author : Vol'ftsun, I. B., Kandidat of Tech. Sciences

Title : Computation of the cross section area of a pipe, connecting the upper water of a runoff with the well of an automatic recorder

Periodical : Met. i gidro., 1, 41-42, Ja - F 1955

Abstract : A formula is suggested connecting the area of the surface of the well and the height of water intake in the well with the velocity of the rising level in the upper water, the difference in levels and the time. The author underlines the importance of a correct cross section area of the pipe in order to account for sudden rises in the runofff during floods. 3 Russian references

Institution: Main Administration of the Hydrometeorological Service of the Council of Ministers of the USSR

Submitted : No date

VOL'FTSUN, I.B.; KVASOV, D.D.

Accuracy in calculating the flow of water by hydrometric installations of flow observation stations. Trudy GGI no.62: 94-106 '57. (MIRA 10:12)
(Stream measurements)

VOL'FTSUN, I.B.

Freezing characteristics of soils under forest stands and their influence on losses from surface runoff. Trudy GGI no.81:49-54 '60. (MIRA 14:1)

(Valdai Hills—Runoff)
(Forest influences)
(Frozen ground)

VOL'FTSUN, I.B.; KRESTOVSKIY, O.I.

Disastrous storm flood in the Valdai. Meteor. i gidrol. no.1: 40-43 Ja '61. (MIRA 14:1)
(Polomet' Valley--Floods)

VOL'FTSUN, I.B.

Formation of a surface flow of snow waters in Kustanay Province.
Trudy GGI no.104:15-36 '63. (MIRA 16:7)
(Kustanay Province—Runoff)

SMIRNOV, K.I.; VOL'FTSUN, I.B.

Using the water balance method to calculate the inflow of ground waters into lakes. Trudy GGI no.104:75-86 '63. (MIRA 16:7)
(Kustanay Province--Lakes)

L 62739-65 EWP(t)/EWP(b) JD

ACCESSION NR: AP5021402 CZ/0034/64/000/012/0837/0841

11
B

AUTHOR: Slahunek, Stanislav (Engineer); Volg, Jan (Engineer)

TITLE: Blast furnace works at Trinec and its future development

SOURCE: Hutnicke listy, no. 12, 1964, 837-841

TOPIC TAGS: blast furnace, metal industry, steel industry, iron

ABSTRACT: The article is written at the occasion of the 125th anniversary of foundation of the works. A history of the works is given; great attention is being given to the modifications, that were made after the Communist revolution in 1948, to conform with Russian practices. Composition of the raw iron for steel works in the years 1955 to 63 is given. Intensity of production, consumption of coke, rate of production are discussed. Orig. art. has: 2 figures, 3 graphs, 1 table.

ASSOCIATION: Trinecke zelezarny VRSR (Trinec Iron Works VRSR)

SUBMITTED: 00 ENCL: 00 SUB CODE: IE, GO

NR REF SOV: 000 OTHER: 000 JPRS

Card 1/1 pk

IVANENKO, P.F.; VOLGA, A.S.

Chromatographic determination of m- and p-diisopropylbenzene hydroperoxides. Zav. lab. 30 no.7:797-799 '64.
(MIRA 18:3)

1. Groznenskiy filial nauchno-issledovatel'skogo instituta polimerizatsionnykh plastmass.

VOLGA, A.

The man-projectile. p. 15.
(Aripile Patriei, Vol. 3, No. 1, Jan. 1957, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions (EEAL) Lc, Vol.6, No. 8, Aug 1957. Uncl.

VOLGAR', L.G.

Adaptability of the nematode Thelandros tba Dinnik, 1930 to the specific features of its host's life cycle. Dokl. AN SSSR 124 no.6:1375-1376 F '59. (MIRA 12:3)

1.Predstavleno akademikom K.I. Skryabinym.
(Nematoda)

17(4)

AUTHOR: Volgarev, L. G. SOV/20-124-6-54/55

TITLE: On the Adaptability of the Nematode Thelandros tba Dinnik, 1930 to the Peculiarities of Its Host Life Cycle (O prisposobliyayemosti nematody Thelandros tba Dinnik, 1930 k osobennostyam zhiznennogo tsikla khozyayev)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 6, pp 1375-1376 (USSR)

ABSTRACT: The female of the species mentioned in the title was found in the intestine of tadpoles (1930, Ref 1). The author found it in the Danube delta (1947-48) in the same host. The simultaneous discovery of males enabled the position of the species mentioned (had been described as Oxyuris) within the Thelandros species. The male is described and shown in a figure (Fig 1). The females were in accordance with the original description, however, were more variable morphologically. In some of the females larvae (Fig 2) were found in addition to eggs. Both stages of development are described (Figs 2, 3). The development of eggs in the female does not take place uniformally, that is from the middle sections of the Fallopian tube onwards:

Card 1/2