CIA-RDP86-00513R000824220003-0



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KONDRAT INV. Viktor Mikolayevich, akademik; KIPNIS, S. Ye., redaktor; ISLANT YEVA, F.G., teknicheskiy redaktor

[Scientific results of the International Conference on the Peaceful Use of Atomic Energy: Geneva, August 8-20, 1955.] Nauchnye itogi Meshdunarodnoi konferentsii po mirnami ispo'sovaniiu atomnoi energii; Zheneva, 8-20 avgusta 1955 g. Moskva Isd-vo "Znanie," 1956. 31 p.(Vsesoiusnoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh snanii. Ser.3, no.4) (Atomic energy research) (MLRA 9:2)

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624 Survey on the history of the development of chemical reaction kinetics. Vop.ist.est.i tekh. no.2:9-49 '56. (MIRA 1 (^Chemical reactions, Rate of) (HIRA 10:1)





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KONDRAT YEV, V.N. 74-11-5/7 Kondrat'yev, V. N. (Moscow) AUTHOR: The Development of Chemical Physics in the USSR Since 40 Years (Razvitiye khimicheskoy fiziki v SSSR za 40 let). TITLE: Uspekhi Kkimii, 1957, Vol. 26, Nr 11, pp. 1310-1319 (USSR) PERIODICAL: Towards the end of the years about 1920, a new science developed - something between chemistry and physics - the ABSTRACT: socalledchemical physics. The electron theory and the quantum theory appeared as theoretical basis of this science. The investigations of Semyendy and his students enjoyed to lay the foundations of this young Soviet science. The investigations referred to the field of chain reactions. According to Semyenov each inflammation sets always in when the probability of an increase of the active molecules, or of the branching of the chain, prevails over the probability of the destruction of the active molecules with respect to their deactivity. Neyman and Koval'skiy elaborated this theory and completed it. The rules governing the chain theory, from the chemical point of view, were explained by Kondratyev and his students, on the strength of methods which permitted to study the atoms and radicals in course of Card 1/2APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0" PA - 2620 Celebrations on the Occasion of the Awarding of the Nobel Prise in 1956. AUTHOR: (Na torzhyestvakh posvyashchyennykj bruchyeniyu Nobelevskikh pryemiy TITLE: 1956 goda, Russian) Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 3, pp 90-94 (U.S.S.R.) PERIODICAL: Reviewed: 7 / 1957 Received: 5 / 1957 The awarding of the Nobel Prize to the Soviet scientist N.E.SYMMYRNOV is described as a "Day of Honor for Soviet Science". The article ABSTRACT: gives a short survey of the history of the Nobel Prize and enumerates all those to whom the Nobel prize has hitherto been awarded. Two new names were added to this honorable list in 1956: N.N.SYNATENOV and S.N. HINSHELMOOD, who were jointly awarded the Nobel Prise for research work in the field of chemical reaction mechanism. The article tells of the activities of N.N.SYEMINOV and also mentions the achievements of the president of the British Royal Society, Sir S.N. HINSHELWOOD. The fact is stressed that the two scientists have much in common with respect to their ideas and methods, and that they have been friends for many years. They keep up regular correspondence on scientific matters and met in 1945 when HINSHELWOOD took part in the celebrations on the occasion of the 220 year's jubiles of the Academy of Science of the USSR in Moscow, and they also met at Stockholm when the Nobel Prise was awarded to them jointly. This fact is appreciated Card 1/2

KONDRATYEV, V. N.

(Institute of Chemical Physics, USSR Academy of Sciences, Moscow)

"Reactions of Some Radicals and Their Concentration in Flames."

paper submitted at The Seventh Intl. Symposium on Combustion - London and Oxford, England, 28 Aug - 3 Sep '58.

C - 3,800,830 , 25 July 1958.

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VINOGRADOV, A.P., akademik, red.; KONDRAT'YNV, V.N., akademik, red.; ALIMARIN, I.P., red.; BAKH, N.A., doktor khim. nauk, red.; NIKOLAYNV, A.V., red.; NEKRASOVA, G.A., kand. khim. nauk, red. MAKUNI, Ye.V., tekhn. red.

> [Isotopes and radiation in chemistry; papers at a conference] Izotopy i izlucheniia v khimii; trudy konferentsii. Moskva, Izd-vo Akad. nauk SSSR, 1958. 380 p. (MIRA 11:8)

1. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh izotopov i izlucheniy v narodnom khozyaystve i nauke. 2d, Moscow, 1957. 2. Chlen-korrespondent Akademii nauk SSSR (for Alimarin).

(Isotopes) (Radiation)

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VINOGRADOV, A.P., akademik, otv. red.; KONDRAT YEV, V.N., akademik, red.; ALIMARIN, I.P., red.; BAKH, N.A., doktor khim, nauk, red.; NEKRASOVA, G.A., kand, khim, nauk, red.

> [Isotopes and radiation in chemistry; transactions] Izotopy i izlucheniia v khimii; trudy. Moskva, Izd-vo AN SSSR, 1958, 380 p. (MIRA 18:6)

1. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh izotopov i izlucheniy v narodnom khozyaystve i nauke. 2d, Moscow, 1957. 2. Chlen-korrespondent AN SSSR (for Alimarin).

chemical reactions, reactions in an electric discharge, and Card 1/18

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0 Kinetics of Chemical Gas Reactions SOA/1500----

partly radiochemical reactions. Particular attention is given to the photochemical and electric activation of molecules. General information pertaining to kinetics, thermodynamics. and the theory of combustion is also included in the text. Chapter 3, and individual parts of the Chapters 4, 5, 6, and 8, were written by N.D. Sokolov. The author thanks V.V. Voyevodskiy, A.B. Nalbandyan, Yu.S. Sayasov, A.S. Sokolik, and V.L. Tal'roze for reviewing individual chapters of this monograph. V,D. Grammatchikov and Ye.I. Kondrat'yev assisted in preparing the book for publication. There are 204 figures, 62 tables, and 1334 references, 310 of which are Soviet and 1024 English, German, and French.

TABLE OF CONTENTS:

Preface

Ch. I. General Kinetic Regularities of Chemical Reactions 1. Rate of reaction. Kinetic types of simple reactions Rate of reaction Kinetic types of simple reactions -

Card 2/18





NALBANDYAN, Aram Bagratovich; YBBIKOLOPYAN, Wikolay Sergeyevich; KONDRATIYEY, V.N., akademik, otv.red.; VYAZEATSEV, V.N., red. Ind-Va; GUSEVA, Z.P., tekhn.red.

MONTON STRATEGY STRATEG

[Formaldehyde, a basic material in the manufacture of plastics] Formal'degid - material dlia plastmass. Moskva, Izd-vo Akad. (MIRA 12:11) nauk SSSR, 1959. 68 p. (Plastics) (Formaldehyde)

..<u>..</u>......

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0 SOV/4211 PHASE I BOOK EXPLOITATION

Kondrat'yev, Viktor Nikolayevich

Struktura atomov 1 molekul (The Structure of Atoms and Molecules). 2nd ed., rev. Moscow, Fizmatgiz, 1959. 524 p. Errata slip inserted. 15,000 copies printed.

Ed.: V. I. Rydnik; Tech. Ed.: S. S. Gavrilov.

PURPOSE: This book is addressed to students following courses in physics and chemistry at the university level.

COVERAGE: The book is based on lectures for the course "The Structure of Atoms and Molecules" given by the author at the Fiziko- mekhanicheskiy fakul tet (Division of Physics and Mechanics) of the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute) over a period of many years. The author deals with theoretical and experimental aspects of electrons, the atomic nucleus, atomic structure and molecular structure. No personalities are mentioned. There is a bibliography of references, mostly Soviet, at the end of each chapter.

Card 1/13_

CIA-RDP86-00513R000824220003-0

PHASE I BOOK EXPLOITATION

8**0v**/5597

Kondrat'yev, Viktor Nikolayevich, Academician

Svobodnyye radikaly - aktivnaya forms veshchestva (Free Radicals, the Active Form of Substance) Moscow, Izd-vo AN SSSR, 1960. 54 p. Errata printed on the inside of back cover. 20,000 copies printed.

Sponsoring Agency: Akademiya nank SSSR.

Ed. of Publishing House: T.G. Levi; Tech. Ed.: I.F. Koval'skaya.

PURPOSE: This book is intended for the general reader.

COVERAGE: The booklet reviews the history, properties, and methods of producing and investigating free radicals, and discusses some reactions involving free radicals, e.g., polymerization, oxidation, combustion, etc. Special attention is given to the behavior of free radicals in solids and in cosmic space. No personalities are mentioned. There are no references.

Card 1/2-

KC	report to be submitted for the DIFAC Slat Conference and Mith Intl. Congress of Dure and Applied Chemistry, Nontreal, Canada, 2-12 August 1561	Credinstry, A. V., Acadery of Sciences USSR, Kiev - "The casellagraphic investa- gation of the alectrocharical kinetics in fund alis" (Section A.),e.2 - Session T. J. Aug Oi, returnoon) (J. J. Aug Oi, returnoon) (J. Aug Oi, atternoon) Dericions of gases in a vide temperature rings" (Section A.),c.(l), Bession II - B Aug Oi, atternoon) Design T. A. Thyrioo-Checkel Institute incel 1. Ts. Karpov, inscov - "Nitrification Discuss.", Thyrioo-Checkel Institute incel 1. Ts. Karpov, inscov - "Nitrification Discuss.", Alisan Sciences Institute incel 1. Ts. Karpov, inscov - "Nitrification Discuss.", Sciences Institute incel 1. Ts. Karpov, inscov - "Nitrification	Democrate in argrinith primare" (Settion 3.4 T Aug G1, Pittenson INERGY, A. Y., Noisov State University intend N. V. Loronsov - The influence of surface Materiopenity and adorbate-adorbate interaction on the adorption properties of solid surfaces" (Joint Session, Sections A.2 and S.1 - 8 Aug G1, monital, T. J., Institute of Chemical Physics, Academy of Sciences UMB, Nesson - UNIVENDATION OF UNIVERSITY, Nesson - Chemical Physics, Academy of Sciences UMB, Nesson - Description	A.1, Grairan, Saction A.1, Sestion I. 11 Aug 61, morital (Allo), Section A.1, Grairan, Saston I. 6 Ma 61, monito? Increment, J. Institute of Googenery and Analytical Creatisty result Y. I. Vermichty, Academy of Stiences USN - "A monity in the use of organic co- predipticates for concentration of guill monits of the elements" (To be presented in Rassian) (Section C.2 - 11 Aug 61, control of the elements" (To be presented in Rassian) (Section C.2 - 11 Aug 61, control of the elements" (To be presented in Rassian) (Section C.2 - 11 Aug 61, control of the elements" (To be presented in Rassian) (Section C.2 - 11 Aug 61, control of the elements" (To be presented in Rassian) (Section C.2 - 11 Aug 61, control of the elements of the elements in Rassian (Section C.2 - 11 Aug 71, results) in the section of the elements of the elements and validation the section of the processes of fission of the fisher and fisher date on redicted investigations of the processes of fisher and fisher and the section of the sec	<pre>index_of by high energy prices." (Section A.) 6 Aug 61, astranced) Index_f_l.A.bedder of Sciences UER; Noscov - "Determination of rate contacts indexectary processes from fitnes withoittes as a function of terparitury. preserve, and noncoular transfer contributes as (Section A.),b(2) - 7 Aug 60, interfact, a (Probaly Fitner), S.) and GRADINY, Y. 1, Noscow Fate bitwers(Fy FirmU.S., (Probaly Process, S) and GRADINY, Y. 1, Noscow Fate bitwers(Fy FirmU.S., (Probaly Vot 91 HeimidyINGY, Y. 1, Noscow Fate bitwers(Fy FirmU.S., (Section A.1, C)) that for any firm of some firm of some firm firmU.S. (Section A.1, C) that for a firm of some firm of some</pre>	RATTON, 0. N., WILTON, N. M.M.W., Y. Y., and WITT, Ta. Noico State Directions in the state scatter and the scatter of the scatter is added to restrict and (Liotty Scatters A.2 and 3.1, 6 Aug 6.1, monthly phase Corr. I. F., Institute of Chenteal Physics, Andery of Sciences USS, Noscov - Corris cherical restricts at recture theorem and related phologon of transfer (S. De presented in Frankly lecture - Sciendry, 12 Aug 6.1) Eruster (S. A., Andery of Sciences USS), Knew - The active agents and the inter-	comported (Section A.1, Sesion II - 11 Aug 61, corring) 2017. M. Y. Insecreducing Theritor, Devalued Networks - The equilibrium between 2017. M. Y. Insecreducing and the sait setter (Section 3.1 - 7 Aug 61, wrennown) 2017. J. L., Institute of Charled Pryles, Academy of Sciences USS - Theritons 2017. Section 2019. Section 2.1, Sester I - 9 Aug 61, efferment - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Tentism, Austman, B., Landon Sette Andrestry Hait, A. A. Account - Contine A., Carlism, Jesefon I 9 Aug Gi, strandon Session) (Also ca program for Settion A.1, Session I 9 Aug Gi, strandon Session) (Also ca program for Settion Settie Diversity theni A. A. Zahuar - Y. Mitangorova, and Innicateness of Settie Diversity theni A. A. Zahuar - Watangorovani M. Whentagwa Settie Diversity theni A. A. Zahuar - Watangorovani M. Whentagwa Sizie Diversity theni A. A. 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NEYMAN, Moisey Borisovich; <u>KONDRAT'YEV, V.N., akad.</u>, otv. red.; KLYAUS, Ye.M., red.izd-va; FOLENOVA, T.P., tekhn. red.

[Atomic energy and its utilization] Atomnaia energiia i ee primenenie. Moskva, Izd-vo Akad.nauk SSSR, 1961. 142 p. (MIRA 14:12) (Atomic energy)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824220003-0

S/195/61/002/004/003/008 E030/E585

AUTHORS /

TITLE:

Kondrat'yev, V.N. and Ptichkin T.T. Reaction of carbon monoxide with ozonated oxygen in the gas phase

PERIODICAL Kinetika i kataliz, v.2, no.4, 1961, 492-496

TEXT: Previous works on the formation of carbon divide by oxidation of carbon monoxide in the presence of evone have assumed a reaction of the form:

$$\mathbf{CO} = \mathbf{O}_{\mathbf{3}} = \mathbf{CO}_{\mathbf{2}} + \mathbf{O}_{\mathbf{2}}$$

but the results have never been in satisfactory agreement with experiment. The present work comprises more accurate experiments, measuring the relative luminescence in the 3500-3900 V range. from $100-250^{\circ}$ C. The ozone was measured indometrically, and the carbon dioxide by a 0.01 N Ha(OH)₂ solution; by carrying out the ozone determination prior to the Carbon dioxide determination, the errors in the previous works were minimized. A conventional apparatus was used, with equimolar mixtures of carbon dioxide and ozonated oxygen containing 3.26% ozone initially. The results

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VEDENEYEV, Vladimir Ivanovich; GURVICH, Lev Veniaminovich; <u>KONDRAT'YEV</u>, <u>Viktor Nikolayevich</u>, akademik; MEDVEDEV, Vadim Andreyevich; FRANKEVICH, Yevgeniy Leonidovich; DRAGUNOV, E.S., red.; RYLINA, Yu.V., tekhn. red.

[Energies of chemical bond breaking. Ionization potentials and electron affinity]Energii razryva khimicheskikh sviazei. Potentsialy ionizatsii i sredstvo k elektronu; spravochnik. [By]V.I. Vedeneyev i dr. Moskva, Izd-vo Akad. rauk SSSR, 1962. 215 p. (MIRA 16:2)

(Chemical bonds) (Ionization) (Chemical affinity)

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THE REPORT OF THE PROPERTY SECTION.

KONDRAT YEV, V.N., akademik

Rate constants of the thermal excitation of sodium in sodium vapor mixtures with argon and nitrogen. Dokl. AN SSSR 153 no.5:1108-1110 D '63. (MIRA 17:1)

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NIKITIN, Yevgeniy Yevgen'yevich KONDRAT'YEV, V.N., akademik, otv. red.;

and the finders

[Modern meanies of the thermal disintegration and izomerization of molecules in the gaseous phase] Sovremennye teorii termicheskogo raspada i izomerizatsii molekul v gazovoi faze. Moskva, Izd-vo "Nauka," 1964. 104 p. (MIRA 17:8) 104 p.

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s/0062/64/000/001/0166/0168 AP4010049 ACCESSION NR: Kondrat'yev, V. N. AUTHOR: The importance of diffusion control in jet kinetics TITLE: AN SSSR. Izvestiya. Ser. khim., no. 1, 1964, 166-168 SOURCE: hydrogen atoms, oxygen atoms, atom diffusion, diffusion constant, continuity equation, linear destruction, atom destruction, jet kinetics, potassium chloride, carbon monoxide ABSTRACT: Voyevodskiy and Kondrat'yev (Progress in Reaction Kinetics, p. 41, Pergamon Press, 1961) showed that failure to consider the diffusion factor in determining the speed constant of elementary chemical processes by the jet method of investigation may lead to considerable errors. It can be shown that substantial errors may also result from disregarding the diffusion of oxygen atoms in similar experiments with arsregarding the diffusion of oxygen atoms in similar experiments with oxygen. According to the tests discussed in (3) (L. I. Avramenko and R. V. Kolesnikova, Journal of Chem. Phys. 31, 1196, 1959), the linear destruction of the oxygen atoms is determined by their adsorption on Card 1/2

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ACCESSION NR: AP4010049		
the reactor walls and the following reaction: $0 + 0_{2} + 0_{3}$ The probable formula for the speed constant of that reaction Kineti	cs, p. 1, Per-	
gamon Press, 1901), 18 $700 \text{ RT} \text{ cm}^{6} \cdot \text{molec}^{-2} \cdot \text{s}$	sec ⁻¹ ,	
where $k_{\rm m} = 2.68 \cdot 10^{-34} {\rm cm}^6 \cdot {\rm molec}^{-2} \cdot {\rm sec}^{-1}$ correspondent perature of 428 K. The experimental data produced by Molesnikova made it possible to determine the coefficient atom adsorption on a glass surface covered with potassion or a structure of the structure of	nds to a tem- Avramenko and ent of oxygen lum chloride.	
ASSOCIATION: Institut khimicheskov fiziki Akademii Nat tute of physical chemistry, Academy of Sciences, SSSR)	· .	
SUBMITTED: 28Jun63 DATE ACQ: 14Feb64	ENCL: 00	
SUB CODE: EL, CH NO REF SOV: 002	OTHER: 007	
Curd 2/2		

KONDRATIYEV, P.S.; GUDINEMAC, S.L.

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Determining mechanical churactoris ... ra of metal and bimetal (MIRA 18:4) repes. Frudy LeVi no.50894-101. 154.

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Chemical relaxation in burnt gas. Kin. i kat. 5 no.4:585-591 J1-Ag 164. (MIRA 17:11)

1. Institut khimicheskoy fiziki AN SSSR.

	"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R00082422000
	KONDRATYEV, V.N. [Kondrat'yev, V.N.]
	Modern tasks in the kinetics of gas reactions. Kem tud kozl MTA 22 no.1:1-14 '64.
	1. Member, Academy of Sciences of the U.S.S.R.
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KONDRATYEV, V.N. [Kondrat'yev, V.N.], akademikus

Thermal formation of active centers in the radical oxidation reactions of organic substances. Kem tud kozl MTA 22 no.2: 183-197 '64.

1. Academy of Sciences of the U.S.S.R.

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	ACCESSION NR: AP4016511 S/0020/64/154/005/1142/1144	
	AUTHORS: Balakhnin, V.P.; Gershenzon, Yu. M.; Kondrat'yev, V.N. (Academician); Nalbandyan, A.B.	
•	TITLE: Discovering a free hydroxyl in a rarefied hydrogen flame by the electron paramagnetic resonance method	T
•	SOURCE: AN SSSR. Doklady*, v. 154, no. 5, 1964, 1142-1144	
•	TOPIC TAGS: hydrogen flame, rarefied flame, microwave spectrum, hydroxyl, free hydroxyl, dipole, dipole transition, hydroxyl absorp- tion, resonator, linear velocity, OH spectrum, OH absorption, atomic oxygen, molecular oxygen	
	ABSTRACT: Studies made by Dousmanis, Radford and other researchers revealed that the microwave spectrum of CH absorption is dependent on electric dipole transitions, the intensity of which is consider- ably greater than that of the ordinary electron paramagnetic reson- ance lines brought about by the magnetic dipole transitions. It	
	Card 1/3	
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ACCESSION NR: AP4016511

follows that when the pressure in the flame of H_2 with O_2 is low, it is possible to detect the signals of paramagnetic absorption of a free hydroxyl; the discovery of OH is possible only when the particles are placed in the loop of an ultra-high frequency electric was designed in such a way that the absorbing cell filled the entire mined by the electric and magnetic dipole transitions. It was found reaches a maximum when the latter amounts to 60%, while the H sign shows a sharper increase and reaches its maximum value at 70% H₂. completely suppressed by the signal of molecular oxygen, the amplitude of which at a low temperature of the absorbing cells is considpreviously observed in H₂-poor mixtures have been considerably greater (60-80 times) than the concentrations of atomic hydrogen.

Card 2/3

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ACCESSION	NR: AP4012	2972	S/0020/64/	154/004/0883/08	385
AUTHORS:	Balakhnin, (Academicia	V.P.; Gershe un); Nalbandy	ANNON TRA		.N.
	easuring the	Concentrati	lons of atomic lame by the met		
SOURCE:	AN SSSR. Do	klady*, v. 1	.54, no. 4, 196	4, 883-885	
TOPIC TAGE metry. sto	S: elementa	ry reaction,	successive reasonator, atom carefied flame,	action, stoichi	.0-
ABSTRACT: the measur hydrogen f The Jet-ty resonator centration	This proje rements of t lame by the pe reactor which medo	ct relates t he concentra spectra of used in the	o the finding o tion of 0 and 1 the electron pa experiment was to determine th a. The project	of atomic oxyge I atoms in a ra gramagnetic res placed inside	n and refied onance.
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$\frac{1.46182-65}{\text{Pab-10}/\text{Pr}-h/\text{Peb}} = IJP(c) = 2/SPF(c)/EHA(d)/EPA(w) = 2/SEC(t)/EMP(t)/SPA(w) = 2/SEC(t)/SMP(t)/SPA(w) = 2/SEC(t)/SMP(t)/SP$	
ACCESSION NR: AP5010839 UR/0020/65/161/004/0886/0888	
Author: Shvachko, V. I.; Nadykto, B. T.; Fogel', Ya. M.; Garger, K. S.; 48 B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; B. D.; Fogel', Ya. M.; Garger, K. S.; B. D.; B. D.; B. D.; B. D.; B.; B.; B.; B.; B.; B.; B.; B.; B.; B	
TITLE: The use of secondary ion emission for investigation of corrosion processes	
SOURCE: AN SSSR. Poklady, v. 161, no. 4, 1965, 886-888	20 ST
TIPIC TAGS: secondary emission, steel surface exidation, iron pentacarbonyl,	
mile, ferrous hydroxide, argon ion beam, steel corrosion	
The art the presents preliminary results of a study of the processes	<u></u>
occurring on the surface of steel during heating in a vacuum $(5 \times 10^{-6} \text{ mm Hg})$ and in oxygen $(1 \times 10^{-4} \text{ mm Hg})$, carried out with the aid of secondary ionic emission.	<u></u>
in oxygen (1 - 10 min ng), carried out with the aid of secondary ionic emission.	
F of secondary ion emission was a steel strip COALLAND containing 1, 1658 Mn, 0.28% Cr, 0.016% F and 1000 The containing beam was	
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an destablished the second second second KONDRAT'YEV, V.N. Loss of frame stability at various positions of the load system. Trudy LIEI no.57:16-25 '65. (MIRA 18:8) Q USSRAPPROXEMECR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0" Abs Jour: Ref Zhur-Biol., No 5, 1958, 21425 Author : Kondrat'yev V. P. : Some Questions Relating to the Topography of the Nerves of the Abdominal Wall of Cattle (Nekotoryye Inst voprosy topografii nervov bryushnoy stenki krupnogo Title rogatogo skota). Crig Pub: Sb. stud. rabot. Mosk. tekhnol. in-t myas. i moloch. prom-sti, 1956, vyp. 4, 100-103 Abstract: A study of 4 cadavers of cattle revealed that the cutaneous dorsal nerves at the level of the extremities of the transverse costal processes of lumbar vertebrae are not situated subcutaneously but intramuscularly or directly on the above processes. The ventral (caudal) thoracic nerve is situated directly

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B121/B206

AUTHORS:

Kondrat'yev, V. P. and Gorbachev, S. V.

TITLE:

Procedure and apparatus for measurements of electrical conductivity and polarization potentials in electrolysis of aqueous solutions at high temperatures

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 3, 1961, 671-676

TEXT: According to the principle of maintaining constant the composition of the solution to be investigated, the authors designed an electrolytic cell for use in determining the electrical conductivity. The cell for electrolysis and measurement of electrode polarization consists of 3 parts: an inversely U-shaped electrolysis vessel made of quartz with 2 sealed in platin um electrodes, a cell with the reference electrode, and a stopper which simultaneously acts as key switch. The cell used to determine the electrical conductivity contains no cell with a reference electrode. When conducting the electrolysis, the cell is put into an autoclave of 1.5 l capacity. autoclave is made of stainless chrome-nickel steel of the type 1X18H9T (39-1T) (1Kh18N9T (EYa-1T)). In the investigation of the electrical con-The

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ductivity, the temperature is determined with an accuracy of $\pm 0.25^{\circ}$ C, and in the electrolysis with an accuracy of $\pm 1^{\circ}$ C. The autoclave has an outside diameter of 130 mm, an inside diameter of 80 mm, and withstands hydraulic pressures of up to 501 kg/cm² and temperatures of 340°C and more. The autoclave is sealed by conic connections of the metal-metal type. The temperature is measured by a Chromel-Alumel thermocouple which is placed in a protective tube with diffusion oil of the "A" type. The design of the autoclave used to determine the electrical conductivity and of the heater of the autoclave is similar to that described by I. M. Rodnyanskiy and I. S. Galinker (Ref. 3: I. M. Rodnyanskiy, I. S. Galinker, Dokl. AN SSSR, 105, 1955; Ref. 4: I. M. Rodnyanskiy, Dissertatsiya, Khar'kov, 1954); only the temperature measurement and electric supply lines are different. The electrical conductivity of 1 M KCl solutions was investigated. The method proposed permits the determination of the electrical conductivity at a constant composition of the solutions to be investigated and at increasing or constant temperature, but not on a quick temperature decrease. A method for determining the potentials in aqueous solutions at high temperatures was proposed. V. A. Mil'chev (Ref. 9: Izv. Vuz. MVO SSSR (Khim.), no. 2, 114, 1958; Ref. 10: Dissertatsiya, Moskva, 1958) and N. Larionov (Ref. 13: Card 2/3

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Dissertatsiya, MOPI, 1951) are mentioned in connection with the design of the electrolytic cell. There are 5 figures and 18 references: 10 Sovietbloc and 8 non-Soviet-bloc. The four references to English-language publications read as follows: M. H. Lietzke and R. W. Stoughton, J. Amer. Chem. Soc., 75, 5226, 1953; M. H. Lietzke, J. V. Vanghen, J. Amer. Chem. Soc., 77, 876, 1955; S.Senderoff, A. Brenner, J. Electrochem. Soc., 97, 361, 1950; J. N. Ager, W. G. Breck, Nature, 175, 298, 1955.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: September 6, 1960

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s/076/61/035/010/015/015 28296 محيريني الم B106/B110 Gorbachev, S. V., and Kondratlyev, V. P. Electrolysis in aqueous solutions at high temperatures Zhurnal fizicheskoy khimii, v. 35, no. 10, 1961, 2400 - 2401 AUTHORS : TEXT: The kinetics of electrodic processes in systems with concentration The Kinetics of electroalc processes in systems with concentration and chemical polarizations was studied by plotting the polarization curves in the temperature range of 25 - 30000. Electrolygic was performed in a TITLE: and chemical polarizations was studied by plotting the polarization curve in the temperature range of 25 - 300°C. Electrolysis was performed in a PERIODICAL: unite competatoure range of 2) - Jun o. Discourding to a method previously described (Ref. 1: Quartz cell according to a method previously described (Ref. 1: V P Konductiver is V Combacher 7h fire which is a combacher 7h QUARTZ CELL ACCORDING TO A METNOD PREVIOUSLY DESCRIBED (NEL. 1: V. P. Kondrat'yev i S. V. Gorbachev. Zh. fiz. khimii, 35, 671, 1961). The equinotentials of the logarithm of the electrode reaction rate as a func-V. F. Konarat'yev 1 D. V. Gorbachev. Zh. Ilz. Khimil, 22, 0(1, 1901). The equipotentials of the logarithm of the electrode reaction rate as a func-tion of the regionocal sheelute temperature were found to be characterized equipulentials of the logarithm of the electrode reaction rate as a func-tion of the reciprocal absolute temperature were found to be characterized in many cases by curves with a maximum in the temperature reaction and of on in many cases by curves with a maximum in the temperature range of 220 \sim 27000. Fig. 1 shows the curves log is r(1/m) of the esthedic density In many cases by curves with a maximum in the temperature range of 220 - 270°C. Fig. 1 shows the curves log i = f(1/T) of the cathodic deposi-tion of silver from its bromide complex in an electrolyte of the following - 270°C. Fig.] snows the curves $\log l = I(1/T)$ of the cathous deposition of silver from its bromide complex in an electrolyte of the following composition: 0.04 m AGPm A 5 m VPm (m - molecity) Tt may be seen that tion of sliver from its promide complex in an electrolyte of the following composition: 0.04 m AgBr, 4.5 m KBr (m - molarity). It may be seen that the according deposition of eilver decreases more and composition: U.U4 m Agbr, 4.2 m KBr (m - molarity). It may be seen that the acceleration of the cathodic deposition of silver decreases more and more with missing temperature until a maximum value is attained at a nore with rising temperature, until a maximum value is attained at a Card 1/5

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Electrolysis in aqueous...

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certain temperature. Further rise in temperature does no longer accelerate the process but retards it. Similar curves are known to characterize also the electrical conductivity of solutions of strong electrolytes (Ref. 2: A. A. Noyes, W. D. Coolidge, Z. phys. Chem., <u>46</u>, 323, 1903). This phenomenon is apparently mainly due to an association of ions at high temperatures, since aqueous solutions of strong electrolytes having a

density of $\langle 0.7 \text{ g/cm}^3$ exhibit the properties of solutions of medium or even weak electrolytes (Ref. 3: E. U. Frank, Z. phys. Chem., 8, 92, 107, 192, 1956). Also the increase of the hydration number of ions at high temperatures, which was found by I. M. Rodnyanskiy and I. S. Galinker (Ref. 4: Zap. Khar'k. s.-kh. in-ta, 14, 43, 1957; Tr. Khar'k. otd. VKhO im. D. I. Mendeleyeva, 1, 135, 1958), as well as the decrease of volume concentration of the electrolyte probably play an important part in the formation of the maximum of the curves log i = f(1/T). The total increase of the rate of cathodic deposition of silver with rising temperature is not high. The maximum rate is about a little more than five times the rate at room temperature. The effective activation energy determined from the initial part of the curve log i = f(1/T) is 3080 cal/mole, which may be regarded as a limiting stage of the transport process of the substance. Card 2/5

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Electrolysis in aqueous...

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The polarization curves in the cathodic deposition of nickel from a solution with 0.1 m Ni($H_3C_2O_2$)₂ and 2 m H($H_3C_2O_2$) could be plotted only up to 270°C, since nickel hydroxide precipitates at higher temperatures owing to hydrolysis. Fig. 2 shows the corresponding equipotentials which are also curves with a maximum. The ascent of the initial, linear sections of the curves decreases with increasing polarization potential (equipotentials 0.6; 0.8; 1.0 v), which indicates the occurrence of chemical polarization. It may be seen from Fig. 2 that the rate of the process at a polarization of 0.2 v increases by about three orders of magnitude, when the temperature rises from 25 to 240°C. This effect of temperature on the rate of an electrochemical reaction with high activation energy is comparable with the effect of a catalyst. [Abstracter's note: Complete translation.] There are 2 figures and 4 references: 2 Soviet and 2 non-Soviet.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: April 26, 1961

Card 3/5

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(1999) (P. 1999) (P. 1999) (P. 1999)

s/076/63/037/001/011/029 B101/B186 AUTHORS: Kondrat'yev, V. P., Nikich, V. I. (Moscow) TITLE: Electrical conductivity of aqueous solutions of alkaline earth chlorides at high temperatures PERIODICAL: Zhurnal: fizicheskoy khimii, v. 37, no. 1, 1963, 100-105 TEXT: The data on the electrical conductivity & of aqueous solutions of MgCl₂, CaCl₂, and SrCl₂ in molal concentrations of 0.05 - 1.0 m and Q.5 m BaCl₂ at 25 - 300°C, which so far have not been published, were calculated and are here tabulated. At rising temperature * was found to pass a maximum. $\chi = Ac^{k} exp B(T_{max})$ - T)²/T concentration, and A, B, k are empirical constants, is valid in the above range of temperatures and concentrations. The occurrence of \mathcal{H} at a max certain temperature is explained by the assumption that the dissociation of the electrolytes decreases as the temperature increases. At lower temperatures the salts are completely dissociated, their & depends on the APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0 Electrical conductivity of aqueous S/076/63/037/001/011/029 B101/B186 radius of the solvated ion, i. e. on its mobility, and forms the sequence dissociated ion decreases as the temperature rises. Hence, Max occurs at a certain temperature. Besides, hydrolysis takes place at high temperatures causing the appearance of highly mobile H⁺.ions. The sequence MgCl₂ > CaCl₂ > SrCl₂ > BaCl₂ holds for K at 0.05 m, owing to the different tendency of the studied alkaline earth compounds to hydrolyze. ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Moscow Institute of Chemical Technology imeni: SUBMITTED: September 27, 1961 Card 2/2





KONDRAT'YEV, V.P.; CORBACHEV, S.V.

7 THE DESIGNATION OF THE PARTY OF THE PARTY

Conductance of aqueous solutions at high temperatures. Znur. fiz.khim. 39 no.11:2753-2756 N '65. (MIRA 18:12)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.

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STOLE.

KODOLOVA, I.M.; KONDRAT'YEV, J.S. (Moskva)

Method. of fluorescence. microscopy in the study of chronic nonsepecific inflammatory processes in the lungs. Arkh. pat. 27 no.9:22-27 '65. (MIRA 18:12)

1. Kafedra patologicheskoy anatomii (zav.- chlen-korrespondent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena Lenina medi-tsinskogo instituta imeni I.M. Sechenova. Submitted December 24, 1963.

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KONDRAT'YEV, V. S.

Cand Vet Sci - (diss) "Methods of obtaining, several physicochemical properties, morphological state of lymph, and characteristics of lymph flow in horned cattle." Tartu, 1961. 21 pp; (Ministry of Agriculture Estonian SSR, Estonian Agricultural Academy); 300 copies; price not given; (KL, 6-61 sup, 234)

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CIA-RDP86-00513R000824220003-0

KONDRAT YeV, V. V. 99-5-4/11 Beglyarov, S.A., Engineer, Gankin, M.Z., Candidate of Mechanic-AUTHOR: al Sciences, Kondrat'yev, V.V., Engineer Selection of Type for Drainage Canal Fumping Stations (Tipovoye proyektirovaniye meliorativnykh nasosnykh stantsiy TITLE: na kanalakh) Gidrotekhnika i Melioratsiya, 1957, # 5, p 23-32 (USSR) PERIODICAL: In 1955 and 1956 the USSR Ministry of Agriculture selected 11 types of pumping stations for irrigation systems, and 2 types ABSTRACT: for drainage systems. The capacities of the pumps ranged from 100 liter/sec to 6 cu m/sec with manometric pressures up to 30 m, to be installed at canals with variations of water levels up to 2 m. For pumps with up to 150 kw power input, asynchronous, squirrel cage motors of the series "A", "AO" and "TAM-O" for vertical and horizontal assembly were used; for pumps with a power input of 150 - 300 kw.synchronous low-voltage motors of the type "IC", and for pumps with a power input exceeding 300 kw high voltage motors (6,000 \mathbf{v}) of the types "LC" and "MC" were used. Giprovodkhoz endeavored to standardize as much as possible the construction of the pumping units as well as their components. In 1957, development of 8 new types of pumping stations, of which 7 are to serve for irrigation, and 1 for drainage Card 1/3---- -----

Card 2/3

various types of buildings, special attention was paid to the use of prefabricated reinforced concrete structural parts and prefabricated reinforced concrete pipes. The buildings of the

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Selection of Type for Drainage Canal Pumping Stations

99-5-4/11

chamber type are designed either as monolithic or prefabricated reinforced concrete constructions. The buildings of the waterconducting type are of more simple construction, without complex and expensive underground chambers. The walls are supported by quarry stone-concrete prefabricated foundations.

This article contains 6 figures and 1 table.

ASSOCIATION: State Planning Institute for Water Supply Installations (Gosudarstvennyy institut po proyektirovaniyu vodokhozyaystvennykh obWyektov - Giprovodkhoz)

AVAILABLE: Library of Congress

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SITKOVSKIY, P.A.; KOMAROV, G.V.; BRUSENTSEV, V.F.; KREMENETSKIY, H.N.; MAMAYEV, M.G., kand.tekhn.nauk; SMIRNOV, A.V., kand.tekhn.nauk; AFANAS'YEV, I.V.; VOLOD'KO, I.F., kand.tekhn.nauk; BEGLYAROV, S.A.; KONDRAT YHV, V.V.; KARLINSKAYA, M.I.; NIKOLAYEV, M.I., kand.tekhn. nauk; DOROKHOV, S.M.; PISHCHUROV, P.V.; KLIMENTOVA, A.V.; BOZENBLAT, Zh.I.; FANDEYEV, V.V., kand.tekhn.nauk; KULIKOV, P.Ye.; SHIMANOVICH. S.V.; DELITSIN, M.V., retsensent; BRAUDE, I.D., retsensent; BARYSHEV, A.M.; retsensent; GRIGORYANTS, A.S., retsensent; IGNATYUK, G.L., retsensent; KALABUGIN, A.Ya., retsensent; KREMENETSKIY, N.D., retsenzent; POPOV, K.V., retsenzent; ORLOVA, V.P., red.; LETNEV, V.Ya., red.; SOKOLOVA, N.N., tekhn.red.; FEDOTOVA, A.F., tekhn.red.

[Handbook for hydraulic and agricultural engineers] Spravochnik gidrotekhnika melioratora. Moskva, Gos.izd-vo sel'khoz.lit-ry. 1958. 766 p. (MIRA 12:3) (Hydraulic engineering)

(Agricultural engineering)

APPROVED FOR RELEASE: 06/19/2000

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0 1 BOLOTIN, B.I., insh.; KONDRAT'YEV, V.V., insh. Drainage in railroad yards. Zhel.dor.transp. 40 no.10:58 0 '58. (MIRA 11:12) (Drainage) (Railroads--Yards)



CIA-RDP86-00513R000824220003-0

BEGLYAROV, S.A., insh.; KONDRAT'YEV, V.V., insh.

From practices in the design and use of large floating pumping stations. Gidr. i mel. 14 no.12:18-32 D '62. (MIRA 16:5)

1. Vsesoyusnyy gosudarstvennyy proyektno-isyskatel'skiy i nauchnoissledovatel'skiy institut Ministerstva Sel'skogo khozyaystva SSSR. (Pumping stations)

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KONDRAT'YEV, V.V., inzh.; KROL', E.G., inzh. Prinimal uchestiye BEGLYAROV, S.A., inzh.

[Instructions for designing irrigation pumping stations] Ukazaniia po proektirovaniiu irrigatsionnykh nisosnykh stantsii. Moskva, Pt.1. 1963. 122 p. (MIRA 18:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnoizyskatel'skiy institut Giprovodkhoz.

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CIA-RDP86-00513R000824220003-0

ANOKHIN, A.A., inzh.; ISAYEV, A.G., mashinist-instruktor; KONDRAT'YEV, Ya.M.; KRYUCHKOVA, V.K.; MOKHOVA, Ye.S., pensioner; SEREBYAKOV, A.P., pensioner; SIDEL'NIKOV, V.M.; SOKOLOVA, Ye., red.; YEGO-ROVA, I., tekhn.red.

> [This is how it was; from the first Communist Saturday to the first Communist labor unit] Kak eto bylo; ot pervogo kommunisticheskogo subbotnika k pervomu kollektivu kommunisticheskogo truda. Moskva, Mosk.rabochii, 1959. 110 p. (MIRA 12:7)

1. Rabotniki depo Moskva-Sortirovochnaya, Moskovsko-Ryazanskoy sheleznoy dorogi (all except Sokolova, Yegorova). 2. Zaveduyushchaya kabinetom politicheskogo prosveshcheniya depo Moskva-Sortirovochnaya, Moskovsko-Ryazanskoy zheleznoy dorogi (for Kryuchkova).

(Railroads---Employees)

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2. L. C. JARNINGS LT ALSO STRATEGION AND LANS LANS ADDRESS ADDRESS AND ADDRESS ADDRES ADDRESS ADDRES ADDRESS ADDRES ADDRESS ADD ADDRESS ADD

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KENDRAT YAY, Ya MI.

KONDRAT'YEV, Ya.M., byvshiy mashinist, uchastnik pervogo kommunisticheskogo subbotnika, chlen Kommunisticheskoy Partii Sovetskogo Soyuza.

> Those who began the great undertaking. Elek. i tepl. tiaga no.ll: (MIRA 10:11) 15-17 N '57.

1. Depo Moskva-Sortirovochnaya. (Russia--Revolution, 1917-1921)

and and a set

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KONDRAT'YEV, Ye.D., kand.tekhn.nauk, dots.

HESIS IN ALL

Distribution of residual stresses in a steel cylinder caused by the heating of a longitudinal strip. Izv.vys.ucheb.zav.; mashinostr. no.5:56-64 '58. (MIRA 12:5) (HIRA 12:5)

解發展的影響

1. Taganrogskiy radiotekhnicheskiy institut. (Thermal stresses)

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KONDRAT'YNY, Ye.D.

Remodeled IP-2 machine for testing relaxation, Zav.lab. 26 no.3: 373 '60. (MIRA 13:6)

1. Taganrogskiy savod "Krasnyy kotel'shchik". (Testing machines) (Strains and stresses)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

No.

AUTHOR :	Kondrat'yev, Ye. D.	S/032/60/036/03/053/064 B010/B117
TITLE:	New Construction of the M Relaxation	achine of the Type IP-2. Used to Test
PERIODICALS	Zavodskaya laboratoriya,	1960, Vol 36, Nr 3, p 373 (USSR)
tests has be to elongatio (Fig) the lo dynamometer. deformation dynamometer. additional w relaxation p	en modified in order to per n. The new construction is ad was removed from the los The sample is loaded by me being read with an indicato The constant deformation r eights, the additional load	the <u>TENIITMASh</u> generally used for creep form relaxation tests of steel subjected based, in principle, on the fact that ad lever, and connected with an annular cans of a screw-thread mechanism, or, and load with the indicator of the required is attained by adding a (corresponding to damping of the ased in an interval ranging from some
ASSOCIATION:	Taganrogskiy zavod "Krasn Boiler Attendant")	nyy kotel'shchik" (Taganrog Plant "Red
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	<u> </u>	
AUTHOR :	Kondrat'yev, Ye. D.	S/032/60/036/03 /053/064 B010/B117
TITLE:	New Construction of the Machi Relaxation	ne of the Type IP-2 ⁴ Used to Test
PERIODICALS	Zavodskaya laboratoriya, 1960), Vol 36, Nr 3, p 373 (USSR)
to elongation (Fig) the los	en modified in order to perform n. The new construction is base ad was removed from the load le	TeNIITMASh generally used for creep relexation tests of steel subjected d, in principle, on the fact that ever, and connected with an annular
to elongation (Fig) the los dynamometer. deformation 1 dynamometer. additional we relaxation pu minutes to on	en modified in order to perform a. The new construction is base ad was removed from the load le The sample is loaded by means being read with an indicator, a The constant deformation requi eights, the additional load (co rocess) being slowly increased he hour. There is 1 figure. Taganrogskiy zavod "Krasnyy k	a relexation tests of steel subjected od, in principle, on the fact that ever, and connected with an annular of a screw-thread mechanism, and load with the indicator of the red is attained by adding
to elongation (Fig) the los dynamometer. deformation 1 dynamometer. additional we relaxation po minutes to on ASSOCIATION:	en modified in order to perform a. The new construction is base ad was removed from the load le The sample is loaded by means being read with an indicator, a The constant deformation requi eights, the additional load (co rocess) being slowly increased me hour. There is 1 figure.	a relexation tests of steel subjected ad, in principle, on the fact that over, and connected with an annular of a screw-thread mechanism, and load with the indicator of the red is attained by adding presponding to damping of the in an interval ranging from some
to elongation (Fig) the los dynamometer. deformation 1 dynamometer. additional we relaxation pu minutes to on	en modified in order to perform a. The new construction is base ad was removed from the load le The sample is loaded by means being read with an indicator, a The constant deformation requi eights, the additional load (co rocess) being slowly increased he hour. There is 1 figure. Taganrogskiy zavod "Krasnyy k	a relexation tests of steel subjected ad, in principle, on the fact that over, and connected with an annular of a screw-thread mechanism, and load with the indicator of the red is attained by adding presponding to damping of the in an interval ranging from some

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78040 SOV/130-60-3-9/23

AUTHORS: Kondrat'yev, Ye. M., Perebeynos, V. F.

TITLE:

Design Improvement of Open-Hearth Roof Suspension

Metallurg, 1960, Nr 3, pp 13-14 (USSR) PERIODICAL:

In the open-hearth shops of the Stalino Metallurgical **ABSTRACT:** Plant (Stalinskiy metallurgicheskiy zavod) a new design of roof suspension was developed (Fig. 1). The authors suggested changing the old suspension unit. Two wedges working on the self-wedging principle and protecting the roof from sagging are shown in Fig. 2. On the basis of long operation, the following advantages were established: (1) The initial fastening of the roof is made after hammering out the supporting forms before primary heating. (2) There is no need for intermediate fastening of the roof during operation between repairs. (3) Considerable economy in hangers and wedges is achieved due to repeated use of them after general overhauling. Gard-1/4 There are 2 figures.

alino metallurgices Plant

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ANDON'YEV, S.M.; GLAZKOV, P.G. [deceased]; KUCHIN, V.A. KONDRAT'YEV, Ye.M.; LEVITASOV, Ya.M.; MAKAROV, K.I.; PANKRATOV, F.V.; PEVNYY, N.I.; POKRAS, L.M.; POCHTMAN, A.M.; TESNER, P.A.; SHEYNFAYN, F.I.; SHKLYAR, T.I.; Prinimali uchastiye: BERMAN, M.N.; VARFALOMEYEV, F.L.; ROBIN, M.A.; MOYSIYEVICH, G.I.; SAPIRO, V.S.; ALEKSEYEV, L.M.; POPOVA, R.S.

> Heating Martin furnaces with natural gas using reformers. Gaz. prom. 9 no.11:14-17 '64. (MIRA 17:12)

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493

Koj Country Category	DRATYEV E.N. USSR I E.N. Human and Animal Physiology, Circulation	
ABS. JOUR.	: RZhBiol., No. 5 1959, Nr. 22097	
AUTHOR	Kondrat'ev, E.N.	-
INST. TITLE	Evaluation of human plethismographic data.	
OPIG, FUB ABSTRACT Card:	Byul. eksperim. biol. i med., 1957, No. 1, supple- ment, 5457 The air-plethismogram of a finger was recorded photometrically, and at the same time time move- ments of the finger were observed by means of an elastic powdered-carbon reostat, one end of which was fastened to a glass tip attached to a phalanx of the toe, the other to a finger. Respiration was recorded by means of an adjustible laryngo- phone capsule attached to the subject's chest. During the examination of 22 patients, involuntary movements of the finger were observed as well as deep inspirations, which were reflected in the 1/2	
Card:	-/ - T-51	
APPROVE	D FOR RELEASE: 06/19/2000 CIA-RDP86-00513R0008242	220003-0

CIA-RDP86-00513R000824220003-0

KONDRAT'YEV, Ye.N. (Moskva)

Volumetric changes in the blood supply to the finger of the resting hand in man after an increase in the load on the other hand. Biul. eksp. biol. i med. 49 no. 5:15-20 My '60. (MIRA 13:12)

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1. 2redstavlena deystvitel'nym chlenom AMN SSSR A.I. Nesterovym. (FINGERS-BLOOD SUPPLY)

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CIA-RDP86-00513R000824220003-0

KOZLOV, K.K.; KONDRAT'YEV, Ye.T.; MELIKHOV, I.S.

Intermediate transformation of austenite. Metalloved. i term. obr. met. no.4:8-10 Ap '65. (MIRA 18:6)

1. Volgogradskiy zavod "Krasnyy Oktyabr'" i Volgogradskiy sel'skokhozyaystvennyy institut.

























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PA 67/49T63 KONDRAT'YEV, YE. xylonic, gluconic, and another (apparently uronic) acids are obtained. The insoluble products which concentrated acid liguin residues. "Zhur Prik Khim" Vol XXII, No 8 Gen Chem, Moscow Med Inst, 42 pp "Oxidation of Green Bryophyta and Sphagnums Mith Hydrogen Feroxide," Ye. V. Kondrat'yev, Chair of can be hydrolyzed by dilute HCl, contain reducing USSR/Chemistry - Bryophytes, Oxidation part of these products are soluble, and from the USSR/Chemistry - Bryophytes, Oxidation Sphagnums, Oxidation confirm data obtained by the dioxane method. Sul among the products of oxidation. substances. Aromatic compounds are in evidence vernicosus and sphagnum , subbicolor to form mineral most all substances contained in the Drepanocladua solution of H2O2 at room temperature oxidizes al-Following the elimination of hemicellulose, a 15 atted 5 Aug 48. (Cantd) These results The greater 67/49163 67/19163 Ang 19 Ame 19

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CA Ĩ N. I. Pridied. Khim. (J. Appares Caren.) As, on other solution, Hydrolynia of plant matter with N HCl does not remove all the jeritoman and even fails to remove wronk actis. Liprin residues septi. by caucil, mineral actis contain undecompil, pentomans and uromic actid, where presence accounts for 1 more CO₂H group in lignin. The polymonide complex, from caldation of criticisms of seps. of lignin with cleav-age of CO₂ (cl. C.A. 46, 60316). Methylation of lignin, before and after extm., shows the participation of benincellu-lases in the formation of a lignin residue during hydrolysis with N HCl. The isolation of lignin the lignic hydrolysis with N HCl. The isolation of lignin the isolated product in denot. While 0.5 N NaOH exts. from Eriophorum engine-tum a product very similar to lignin but devide of MCO groups, mont of it remains hand, in the alk. som. G. M. Kossiapoff 1

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APPROVED FOR RELEASE: 06/19/2000

KCA DRAT YE	AID P - 3748	
Subject	: USSR/Chemistry	
Card 1/1	Pub. 152 - 12/22	
Authors	: Kondrat'yev, Ye. V. and M. I. Kostina	
Title	: Disintegration of organic matter in plant material under artificial conditions	•
Periodical	: Zhur. prikl. khim. 28, 9, 982-988, 1955	
Abstract	: Formation of peat under experimental conditions resembling natural conditions has been studied by observing the transformation of various plants, (bushes, grass, and moss). Three tables, 2 diagrams, 3 references, all Russian (1934-1953).	. ·
Institution	: Department of General Chemistry of the Moscow Steel Institute im. I. V. Stalin	
Submitted	: D 15, 1953	• • • • *
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KC. DRAT'YEV, Ic. Ic.

"Prognosic of Influenza Cutbreaks," Tr. In-ta Epideniol Eikrobiol, i Gigiyeny im. Pastera i Iu-ta Eksperim. Meditsiny Akad. Med. Nauk SOSA, 1953, 15, pp 175-182

In analyzing statistical data, the author noticed the regular cyclic nature of influenza outbreaks, a fact which makes it possible to predict the time when the next outbreak will occur. The cyclic nature of the epidemics is evidently dependent upon changes in the environment of the virus which occur in a specific order, and which are caused by the reactions of the macroorganism to seasonal variations and to the virual activities of the virus itself. This leads to profound changes in the entigen structure of the causative organisms, and, in the opinion of the author, even the transformation of type A into type B, which explains the alteration of the types of virus in successive epidemics. (R2hBiol, No 5, 1955) SO: SumNo. 713, 9 Nov 55

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nekotorykh fiziologicheski aktivnykh veshchestv) PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 2, pp 82-86 (USSR) ABSTRACT: It is known from literature that compounds of the type RO where $R = CH_3$ -, C_2H_5 -1 C_4H_9 -, C_3H_7 -, are physiological- ly active and exert an insecticidal effect (Ref 1). It was found that the introduction of such groups as OH and OR into the molecule of an organic compound provide this substance with physiological activity. For instance, if the -OH-group is introduced into the nucleus of an aromatic compound, this com- pound is often provided with a protoplasmatic effect; the in- troduction of -OR, on the other hand, increases the effect exercised by the resulting compound upon the nervous system. If a halogen atom is introduced into the molecule of an organit	5(갓) AUTHORS:	Smirnova, T. V., Dukel'skaya, N. M., Kondrat'yev, Tu. A.
ABSTRACT: ABSTRACT: It is known from literature that compounds of the type RO where $R = CH_3$ -, C_2H_5 -1 C_4H_9 -, C_3H_7 -, are physiological- ly active and exert an insecticidal effect (Ref 1). It was found that the introduction of such groups as OH and OR into the molecule of an organic compound provide this substance with physiological activity. For instance, if the -OH-group is introduced into the nucleus of an aromatic compound, this com- pound is often provided with a protoplasmatic effect; the in- troduction of -OR, on the other hand, increases the effect exercised by the resulting compound upon the nervous system. If a halogen atom is introduced into the molecule of an organic compound the physiological activity of the latter is multi- plied marticularly in the case of fluorine introduction (Ref 3)	TITLE:	Synthesis of Some Physiologically Active Substances (Sintez nekotorykh fiziologicheski aktivnykh veshchestv)
where $R = CH_3$, C_2H_5 , C_4H_9 , C_3H_7 , are physiological ly active and exert an insecticidal effect (Ref 1). It was found that the introduction of such groups as OH and OR into the molecule of an organic compound provide this substance with physiological activity. For instance, if the -OH-group is introduced into the nucleus of an aromatic compound, this com- pound is often provided with a protoplasmatic effect; the in- troduction of -OR, on the other hand, increases the effect exercised by the resulting compound upon the nervous system. If a halogen atom is introduced into the molecule of an organic compound the physiological activity of the latter is multi- plied marticularly in the case of fluorine introduction (Ref 3	PERIODICAL:	Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 2, pp 82-86 (USSR)
		where $R = CH_3$ -, C_2H_5 -, C_4H_9 -, C_3H_7 -, are physiological ly active and exert an insecticidal effect (Ref 1). It was found that the introduction of such groups as OH and OR into the molecule of an organic compound provide this substance with physiological activity. For instance, if the -OH-group is introduced into the nucleus of an aromatic compound, this com- pound is often provided with a protoplasmatic effect; the in- troduction of -OR, on the other hand, increases the effect exercised by the resulting compound upon the nervous system.

Synthesis of Some Physiologically Active Substances SOV/153-58-2-14/30

The purpose of this paper was the synthesis of some physiologically active compounds which are used for deratization. 6 halogen derivatives of phenyl ether were produced (Table 1). All these compounds were synthesized according to the same method (see experimental section). The halogen derivatives of phenols or the phenol itself were condensed with the corresponding 1,2-dihalide-ethane. In the laboratory of the faculty mentioned under "Association" the toxic properties of the synthesized phenyl-ethyl ether were tested. The most toxic compound was p-chloro-phenyl- β -fluoroethyl-ether which was able to kill within 3-7 hours 100% of adult rats if administered perorally in a dosage of 0,005 ml. All of the 6 compounds listed possess a strong etheric odor which complicates their use in deratization. In order to overcome this difficulty, the synthesis of $p, p'-di(\beta-fluoro-ethoxy-phenyl)-dimethyl-methane$ was carried out. This is a solid odorless compound and has stood its test. Its lethal dosis for white rats is 120-140 mg/kg, for voles - 0,25 mg/100 g live weight. Thus it is valuable also in the destruction of rodents in the fields. There are 2 tables and 5 references, 3 of which are Soviet.

Card 2/3

APPROVED FOR RELEASE: 06/19/2000

"APPROVED FOR RELEASE: 06/19/2000 SOV/153-58-2-14/30 Synthesis of Some Physiologically Active Substances ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut imeni D. I. Mendeleyeva i Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M. V. Lomonosova (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev and Faculty of Biology and Soil-Science of the Moscow State University imeni M. V. Lomonosov) October 4, 1957 SUBMITTED: Card 3/3-----

양양범권

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824220003-0"



KONDRATIVEV, G.M., KONDRATIVEV, Yu.G. Sportspollen spectra from Middle Jurassic sediments in the 165. Dervanovsk trough. Geol. i geofiz. no.4:157-159 (MIRA 18:8) 1. Krasnoyarskoye geologicheskoye upravleniye. Card 1/2 APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0 AT 6036464 ACC NR: was tested. Weight, external appearance, behavior, and appetite were observed. Assimilation of basic substances, the nitrogen balance, the composition of hemoglobin and erothrocytes in the blood, and certain biochemical indices were determined. Pathological examination of the animals was perfomed and individual internal organs were weighed. In experiments where unicellular algae were used as the source of protein, the average duration of viability was 5.5 months. When animals were fed only the biomass of the algae, they lived only about one month. Death results from malnutrition. Experiments showed that greatest nutritional value was provided when the biomass of unicellular algae was augmented by an increased amount of cysteine. The least value was provided by biomass of yeasts. The nutritional value of the purified biomass of microbacteria was higher than that of the unpurified biomass. [W.A. No. 22; ATD Report 66-1167 06 / SUBM DATE: 00May66 SUP CODE:

ABAKUMOVA, I.A.; AKTEBININSKIY, K.S.; EYCHKOV, V.P.; DEMOCHKINA, N.G.; KONDRATTYEV, Yu.L.; USHAKOV, A.S. Some data on a group of animals in a closed ecologic system. Probl. kosm. biol. 4:107-118 '65. (MIRA 18:9)

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L 45964-66	JXT(CZ)/GD/RD	•
ACC NR	AT6030694	SOURCE CODE: UR/0000/66/000/0023/0028
AUTHOR: Ushakov,	Bychkov, V. P.; E A. S.	Boyko, N. N.; Kasatkina, A. G.; Kondrat'yev, Yu. T.;
ORG: non	le	BT1
		f using dehydrated products in <u>cosmonaut diets</u>
SOURCE: Inst. me	Konferentsiya po l ediko-biol. problem	kosmicheskoy biologii i meditsine, 1964. Materialy. Moscow, m, 1966, 23-28
TOPIC TA metaboli	AGS: space biolog ism	y, space food, human physiology, nutrition, biologic
rations to make food was the food and smol and sug pastry,	on human metaboli: up three differen s eaten dry, but c ds used were freez ked pork), dried mi ar, and a 5:5:1 mi (vitamin boolthy subjects	ere conducted to study the effects of dehydrated food ism. Freeze-dried and heat-dried food products were used it rations, with caloric values from 2117 to 2974 kcal. The could be washed down with unlimited amounts of water. Among te-dried meat products (pork and beef sausage, beef roll, ham lik products (a 5:5:11:1 mixture of cream, walnuts, milk, ixture of pot cheese, cream, and sugar), and candy and hized caramels, lemon drops, etc). Biomedical monitoring of was conducted throughout the experiment, and each subject In the first test, laboratory workers were fed normally
Card 1/3		•

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Ration No.	l, see Tal	ole l) whi	le perfoi	rming th	lent amounts of heir normal tas loric value of :	ks. In t	he second to	
	Weight in g				Carbohydrate in g	Ash in g	Caloric value in kcal	_
1 2 3	609 638 615	43.4 34.4 51.6	118.1	93.2 111.4 106.6	339.0 354.7 326.1	21.1 19.40 22.90	2117 2974 2770	•
emained intions we	in a small ere mainta: ree per day	chamber (ined; his y), and dr wo subject	7 m ³), wi day was o afting wo s stayed on No.3	here no livided ork and in a s	generated from rmal atmospheri into sleep (8) reading (speci imilar chamber days and normal	c and mic hr), exer ally sele for 33 da food in	cise (35-4 cted litera ws, during	con- 0 min),