20105#5/Učan

MIRIOYAN, E.T.; KUZNETSOVA, Ye.T.

Personaltizing effect of atrapionycin on specific hyprogla in experimental tuteroulosis. Antibiotiki 10 no.30035-240 Mr 165. (MIRA 18:10)

l. Külnika-dingnozilabeskiya laboratoriya (zav. - Ye.D. Timah-va) TSentvalinogo instibuta tuberkuleza Ministeratva zdravoskiwameniya SSGR, Moskva.

105167 EDMIND 118/03/3/66/002/002/118-174C7=66 ENT(m)/ENG(m)/MP(t)/ETC(f) TJP(c) RIM/JD IM
FOR NB. ADCORDANT AUCHOR: Kharakhorin, F. F.; Glukhov, A. A.; Kuznetaova, Ye. S.; Potapov, TITLE: Some properties of tellurium doped indium and gallium arsenides 17 ACC NRI AP6007247 55,17, 2, no. 2, 1966, SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, TOPIC TAGS: semiconducting material, gallium arsenide, indium compound, indium activated crystal. tellurium activated crystal. tellurium activated crystal. TOPIC TAGS: semiconducting material, gallium arsenide, indium compound, indium activator activated, crystal, tellurium activator arsenide, single crystal, electric property, activated crystal, ORG: none ABSTRACT: Electron carrier concentration in relation to the carrier concentration to the carrier concen ABSTRACT: Electron carrier concentration in relation to Te dopant content in the carrier concentration to the carrier concentration in relation to the carrier concentration to the carrier concentration in relation to the carrier concentration to the car charge and Hall mobility of electrons in relation to the carrier concentration by arsenide and gailium arsenide of GaAs. by oriented crystals have been studied in indium arsenide and. in the case of GaAs. by oriented the Czochralski-Gremmelmayer technique have been studied in indium argenide and gallium argenide single crystals grown by the Czochralski-Gremmelmayer technique and, in the case of GaAs, by oriented crystal the Czochralski-Gremmelmayer technique and, in the case of GaAs, by oriented crystal in the case of GaAs, by oriented crystal the Czochralski-Gremmelmayer technique and to exclude interference of Si accentor lization. 245-248 the Czochralski-Gremmelmayer technique and, in the case of GaAs, by oriented cryste interference of Si acceptor interference of GaAs. In the case of GaAs, by oriented cryste interference of Si acceptor interference of Si acceptor interference of GaAs. In the Czochralski process. In the Czochralski process. G9.999% Te was introduced directly into the melt. Hall the Czochralski process. G9.999% Te was introduced directly into the Czochralski process. impurity (from the quartz container) with electrical characteristics of GaAs. In the melt. Hall into the melt. Hall into the melt. In both indium and gallium the Czochralski process, 99.99% Te was introduced in both indium and gallium the Czochralski process, 99.99% Te was introduced in both indium and gallium the Czochralski process, 99.99% Te was introduced at 300K. In both indium and gallium coefficient and resistivity were measured at 300K. coefficient and resistivity were measured at 300K. In both indium and gallium of the charge in Te content of the "gatura" increased with the increase in Te content the "gatura" the leveled off. However, the "gaturation" noint) then leveled off. argenides, carrier concentration increased with the increase in Te content the "satura" the however, the leveled off. However, the up to a certain value ("saturation" point), then leveled in InAs than in GaAs.

The content in InAs than in GaAs in the content in InAs than in GaAs. up to a certain value ("saturation" point), then leveled off. However, the "88 up to a certain value ("saturation" point), then leveled off. However, the "88 then in GaAs."

up to a certain value ("saturation" point), then leveled off. However, the "88 then in GaAs."

up to a certain value ("saturation" point), then leveled off. However, the "88 then in GaAs."

up to a certain value ("saturation" point), then leveled off. However, the "88 then in GaAs." Cord 1/2

ACC LA ARROYED FOR RELEASE: 06/19/2000

Consequently, the limit (maximum) carrier concentration was about an order of magnitude higher in InAs than in GaAs (v2 x 1019 versus 3.1 x 1018 at/cc). data were in satisfactory agreement with the literature. Presumably, the "saturation" in carrier concentration was reached at a point when Te atoms form electrically inactive Te-Te bonds. The Hall mobility in both arsenides studied displayed a similar pattern of gradual decrease with increased concentration. A wide dispersion of mobility data at a given carrier concentration for GaAs crystals prepared by Czochralski technique and by oriented crystallization was explained by the compensating effect of the uncontrollable acceptor impurity. Orig. art. has: 5 fig-

SUB CODE: 20 SURM DATE: 12Jul65/ ORIG REF: 002/ OTH REF: 007/ ATD PRESS: [JK]

Fure metal 44,18

4206

- 17

L 20.10-00 ENT(m)/ENP(t) IJP(e) 30
ACC HR: AP6011317 SOURCE CODE: UR/0363/66/002/003/0461/0463

AUTHOR: Kharakhorin, F. F.; Kuznetsova, Ye. S.; Potapov, V. I.; Glukhov, A. A.

ORG: none

TITLE: Relation between mobility and concentration of carriers in indium arsenide Λ

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 3, 1966, 461-463

TOPIC TAGS: indium compound, arsenide, indium arsenide, semiconductor single crystal, electron mobility, carrier concentration

ABSTRACT: Variations of Hall mobility at different carrier (electron) concentrations (n = N_D + N_A) in the 4·10¹⁵—10¹⁷/cc range have been studied at 300K in indium arsenide, as one of the most promising AIIInV compounds. The theoretical plot of mobility versus n was calculated using the Brooks formula for uncompensated (N_A = 0) and compensated materials which cover concentration regions with nondegenerated and weakly degenerated states, respectively. Comparison was made of the calculated data with the experimental data from literature and with the authors own data. The latter were obtained with single

Card 1/2

UDC: 546.682'191:537.311.33

ACC NR: AP5011317

crystals grown either by oriented crystallization or by Czochralski-Gremmelmayer technique. Host of the data for the samples grown by the first technique (n = 3·10¹⁶-8·10¹⁶/cc and mobility = 29,700 — 22,000 cm²/v/sec) were in agreement with the calculated data. Data obtained with the samples grown by Czochralski technique (n = 5·10¹⁶—10¹⁷/cc and mobility = 24,300—20,000 cm²/v/sec) were somewhat lower and the literature data were considerably lower than theoretical. The discrepancy between theoretical and some of the experimental data was attributed to a variable degree of compensation by impurities. Orig. art. has: 2 figures and 3 formulas.

[JK]

SUB CODE: 20/ SUBM DATE: 12Ju165/ OTH REF: 008/ ATD PRESS: 4225

EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6013335

SOURCE CODE: UR/0363/66/002/004/0582/0584

AUTHOR: Kharakhorin, F.F.; Kuznetsova, Ye. S.; Glukhov, A.A.; Potapov, V.I. ORG: none

TITLE: Purification of arsenic by sublimation

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 4, 1966, 582-584

TOPIC TAGS: arsenic, sublimation, metal purification

ABSTRACT: A process and the corresponding equipment have been developed for purifying arsenic by sublimation. Usually, one or two sublimations are performed, impurities of low vapor pressure such as copper, iron, and aluminum being thus removed. More sublimations are required to remove impurities having a substantial vapor pressure (zinc, cadmium, sulfur, selenium, tellurium). The process avoids contamination of the arsenic by eliminating its transfer from one ampoule to another. Radioactivation analysis has shown that after 4-5 sublimations, for a threefold decrease in the total impurity content, shown that after 4-b sublimations, for a investor decrease in the local imputity contents the amount of sulfur decreased by a factor of 6 - 10. Arsenic obtained after five sublimations was used to synthesize indium arsenide with a carrier concentration of 4 x 1016cm-3 and a mobility of 29,000 cm²/V sec at 300K, which also indicates that the

APPROVED FOR RELEASE: 06/19/2000 -

SOV/137-58-12-25510

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 201 (USSR)

AUTHORS: Kuznetsova, Ye. T., Talalayeva, O. D., Tikhonov, A. S.

TITLE: Rapid Method for the Analysis of a Cadmium Alloy Using Sodium

Versenate (Uskorennyy metod analiza kadmiyevogo splava s primeneni-

yem trilona B)

PERIODICAL: Sb. tr. Voronezhsk. otd. Vses. khim. o-va im. D. I. Mendeleyeva, 1957, Nr 1, pp 151-154

ABSTRACT: The analysis of the Cd-Sn-Pb alloy is based on the initial separation of Sn in the form of metastannic acid from a nitric-acid solution followed by the volumetric determination of Cd and Pb jointly and of Pb separately in separate portions of the solution. 0.5 g of the alloy are dissolved in 15 cc of HNO3 (1:1), Sn is filtered off, and the filtrate is diluted to 250 cc. 10 cc of 10% KNa-tartarate solution and one drop of methyl red are added to 50 cc of the solution, whereupon it is neutralized with NH4OH. 10 cc of an ammoniacal buffer solution (mixture of 350 cc of 25% NH4OH and 54 g NH4Cl in 1 liter of water), 10 cc of 10% NaCN, solid chromogen black and 100 cc of water are added, and the whole is titrated with so-

Card 1/2 dium versenate (I). The Pb content is calculated according to the

SOV /137-58-12-25510

Rapid Method for the Analysis of a Cadmium Alloy Using Sodium Versenate

formula: %Pb=5 V·M·207.21·100/1000 D, where V is the volume of I used in the titration of Pb, M is the molarity of I, and D is the weight of the specimen of the alloy. To another 50 cc portion of the solution are added an excess of I solution and one drop of methyl red; it is neutralized with NH₄OH, 10 cc of the ammoniacal buffer and chromogen black are added, and the excess I is titrated with a solution of MgSO4 until the color changes from blue-green to blue. In this way the sum total of Pb and Cd is determined. Cd is calculated by the following formula: %Cd = 5 [(V₁M₁-V₂M₂)-VM₁·112.41·100/1000D, where V₁ is the volume of I taken in excess, M₁ is the molarity of I, V₂ is the volume ["molarity" in Russ. Text; Transl.Note] of the MgSO₄ solution used for the back titration, and M₂ is the molarity of MgSO₄. Results are adduced for the analysis of the following alloys: (in %): Sn 46.5, Cd 17.3, and Pb 35.5 with an error for Cd from -0.29 to +0.36% and for Pb from -0.49 to +0.13%.

Z.G.

Card 2/2

VENGEROV, V.G., inzh.; KUZNETSOVA, Ye.V., inzh.

Potentialities of safety in large-scale electric blasting. Vzryv. delo no.57/14:519.321 '65. (MIRA 18:11)

1. Permskiy politekhnicheskiy institut.

EAT(d)/FSS-2/EAT(1)/EAT(n)/EAP(t)/EAP(h)/EAP(1)JD/WH/JW/JG/ IJP(c) L 20622-66 SOURCE CODE: UR/2996/65/000/057/0319/0321 AT6010028 JWD ACC NRI AUTHOR: Vengerov, V. G. (Engineer); Kuznetsova, Ye. V. (Engineer) 50 BHI ORG: Perm Polytechnical Institute (Permskiy politekhnicheskiy institut). TITLE: Safety factors and quantity of electric detonations SOURCE: Nauchno-tekhnicheskoye gornoye obshchestvo. Vzryvnoye delo, no. 57/14, 1965. Razvitiye vzryvnykh rabot v gornom dele (Development of blasting in the mining industry), 319-321 TOPIC TAGS: electric detonator, bridge detonator, detonation ABSTRACT: The use of a tungsten bridge instead of the nichrome bridge in the ED-8-56 electric detonator was studied. Testing over a period of 10 years of the electric detonator with a tungsten instead of a nichrome bridge (4-5 mm long) showed a considerable decrease in the number of premature detonations by stray currents, a marked decrease in the number of misfires and incomplete detonations, and an increase (2.5-3 times) in the number of simultaneous firings of detonators 2 Card 1/2 · Sandagen in der State in der S

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

and increases the number of simultaneous detonations. SUB CODE: 19/ SUBH DATE: none/ ORIG REF: 001/ ATD PRESS:422	4
	1
	-

TURGEL!, Ye.O.; KUNNETSOVA, Ye.V.

Application of this film chromatography for the enclysis of mixtures of high-boiling alcohols formed in the synthesis of incorner. Zhur. unal. khim. 20 no.12:1374-1578 165.

1. Vaescyuznyy nauchno-issledovateliskiy institut neftekrimichaskirh proteessov, Leningrad. Submitted November 19, 1964.

BOGOYAVLENSKAYA, L.B.; VIL'SHANSKAYA, F.L.; MATVEYEVA, V.N.; SAKHAROVA, P.K.; KUZNETSOVA, Ye.V.; KAGAN, M.I.

Michael Structure of intestinal diseases of infants; author's abstract. Zhur.mikrobiol.,epid.i immun. 30 no.11:113 N '59.

(MIRA 13:3)

1. Iz Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(INFANTS--DISEASES) (INTESTINES--DISEASES)

KAGAN, M.I.; KUZNETSOVA, Ye.V.; VIL'SHANSKAYA, F.L.; BOGOYAVLENSKAYA, L.B.; MATVEYEVA, V.N.; SAKHAROVA, P.K.

Epidemiological observations on patients with colienteritis. Zhur. mikrobiol. epid. i immun. 32 no.10:78-80 0 161. (MIRA 14:10)

1. Iz Gorodskoy sanitarno-epidemiologicheskoy stantsii i sanitarnoepidemiologicheskoy stantsii Dzerzhinskogo rayona Moskvy. (ESCHERICHIA COLI) (INTESTINES-DISEASES)

KUZNETSOVA, Ye.V.

Pegmatite formations of Transcaucasia. (In: Akademiia nauk SSSR.

Voprosy petrografii i mineralogii. Moskva, 1953. Vol. 1, p.328-342)

(MIRA 7:4)

(Transcaucasia--Pegmatites) (Pegmatites--Transcaucasia)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

GUREVICH, A.O.; KUZNETSOVA, Ye.Ye. kandidat meditsinskikh nauk; RUMELIS,
I.L.; YURUSHA, A.E.

Effects of phthivazid therapy under ambulatory conditions. Probl.
tub. no.6:21-26 H-D '55. (MIRA 9:2)

1. Iz Respublikanskogo protivotuberkuleznogo dispansera v Rige
(glavnyy vrach Ye. Ye. Kuznetsova)
(TUBERCULOSIS, ther.
isoniazid, under ambulatory conditions)
(NICOTINIC ACID ESOMERS, ther. use
isoniazid, in tuberc., under ambulatory conditions)

KUZNETSOVA, Ye. Ye.

Status of tuberculosis control in the Latvian S.S.R. Probl. tub. no.2:3-8 '62. (MIRA 15:2)

1. Iz Respublikanskogo protivotuberkuleznogo dispansera Latviyskoy SSR (glavnyy vrach Ye. Ye. Kuznetsova)

(LATVIA-TUBERCULOSIS-PREVENTION)

ROYAK, S.M.; KROYCHUK, L.A.; KUZNETSOVA, Yu.F.

Using belite sludge from the production of alumina. TSement 29 no.3:8-10 My-Je '63. (MIRA 17:1)

1. Vsesoyuznyy gosudarstvennyy nauchno-issledovateliskiy institut tsementnoy promyshlennosti.

ZOLOTAREV, Ye.Kh.; KUZNETSOVA, Yu.I.

Entomological evaluation of the new repellent benzimine. Vest. Mosk. un. Ser. 6: Biol., pochv. 16 no.4:38-44 Jl-Ag '61. (MIRA 14:7)

1. Kompleksnaya laboratoriya po izucheniyu sredstv i sposobov bor'by s vrednymi zhivotnymi i boleznyami rasteniy Moskovskogo gosudarstvennogo universiteta.

(INSECT BAITS AND REPRILENTS)
(METHYLENIMINE)

"APPROVED FOR RELEASE: 06/19/2000 CI

CIA-RDP86-00513R000928220020-6

L 04749-67 ENT(1' IJP(c) AT/GD ACC NR: AT6020452 SOURCE CODE: UR/0000/65/000/000/0204/0216 (W) AUTHOR: Pavlichenko, O. S.; Dushin, L. A.; Kuznetosv, Yu. K.; Adamov, I. Yu. 63 ORG: none B+1 TITLE: Instability of plasma discharge with oscillating electrons SOURCE: AN UkrSSR. Vzaimodeystviye puchkov zaryazhennykh chastits s plazmoy (Interaction of charged particle beams with plasma). Kiev, Naukova dumka, 1965, 204-216 TOPIC TAGS: plasma discharge, plasma instability, plasma interaction, plasma diffu-ABSTRACT: The experiments described in the present work revealed that cyclotron harmonics found in radiation from plasma with oscillating electrons and radiations induced by plasma oscillations are of a non-thermal nature and that their source is plasma microinstability. Two types of experiments were performed: observation of microwave emission from the plasma, and determination of the diffusion rates in the plasma. The experiments were performed on a discharge column (hydrogen or helium) of relatively high density (1012 cm 3) and high temperature (50 ev). The experimental results are described and analyzed to show the importance of the beam-plasma interaction. It is. shown that although the instability is microscopic in nature, it cannot be explained in terms of the model of F. C. Hoh (Phys. Fluids, 1963, 6, 1184). The complex relation-Card 1/2

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

	parameters of oscillatings at present, but does diffusion. The authoritical results deals.				:
ID 445-	SUBM DATE: 11Nov65/		OTH REF:	007	
		•			
			·		
•	•			*	
				1	
•	•		,	••	
				:	
rd 2/2 LB	•				

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220020-6

L 01279-67 IJP(c) EWT(1) ACC NRI AT6031154 SOURCE CODE: UR/3137/66/000/197/0003/0011

AUTHOR: Dushin, L. A.; Kuznetsov, Yu. K.; Pavlichenko, O. S.

ORG: none

TITLE: Drift instability of a discharge plasma with oscillating electrons

SOURCE: AN UkrSSR. Fiziko-tekhnicheskiy institut. Doklady, no. 197/P-063, 1966. Dreyfovaya neustoychivost' plazmy razryada s ostsilliruyushchimi elektronami, 3-11

TOPIC TAGS: discharge plasma, plasma oscillation, drift instability, oscillating electron, drift dissipation

ABSTRACT: A study is made of previously observed increases in charged particle flux across a magnetic field, created by the discharge of oscillating electrons which produce intense low-frequency plasma oscillations. A study of these oscillations, and their genesis and frequency of occurrence as a function of plasma parameters, suggests that they are caused by the drift-dissipation instability of nonhomogeneous plasma. The phenomenon had been earlier analyzed theoretically by

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

OITO	g. art.	nas:	5 figure	Bs. [Autho	K. D. Sine ssion of the rs' abstract	;]	obtained	SP]
208	CODE:	20/	SUBM DAT	TE: none/	ORIG REF:	008/	OTH REF:	004
•								
••••••••••••••••••••••••••••••••••••••								
	10.1.4							

LUIROV, A.V., KURNETSOVA, Yu.M.

Relation of threshold flash to its duration in peripheral vision.

Dokl.AN SSSR 103 no.5:819-821 Ag '55. (MIRA 9:1)

1.Predstavleno akademikom A.W.Tereninym.
(VISIOW,
relation of threshold flash to its duration)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

	Kuzńż	ITELL On the Application of Mon-Published Mid-Pasisteat Chronius-Richal Steal Containing Copper. FRICKENIA D. STATES WILL, SERVER, 6 L., Andminers, A.P., Eclasors, I.P., Minnerson, M.P., Eclasors, I.P., Minnerson, W.P., Velley, M.P., Eclasors, I.P., Minnerson, W.P., Williams, M.P., Minnerson, W.P., W.P., Minnerson, W.P., W.P., Minnerson, W.P., Minnerson, W.P., W.P., Minnerson, W.P., W.P., Minnerson, W.P., W.P.	
--	-------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

507/81-59-12-42695

Translation from: Referativnyy zhurnal: Khimiya, 1959, Nr 12, p 268 (USSR)

Shvarts, G.L., Kuznetsova, Yu.S. AUTHORS:

Methods for Determining the Susceptibility of Kh23N23M3D3, Kh23N27-TITLE: M3D3T and Kh23N27M2T Steels to Intercrystallite Corrosion 14

Sb. statey. Vses. n.-1. i konstrukt. in-t khim. mashinostr., 1958, PERMODICAL:

Vol 25, pp 47-56

ABSTRACT:

It is recommended to determine the susceptibility of copper-containing steels Kh23N23M3D3 and Kh23N27M3D3T to intercrystallite corrosion (IC) on samples in the state of delivery and after thermal treatment at 700° C (keeping them for 10-20 minutes and cooling in the air) in a boiling sulfuric acid CuSO4 solution with the addition of zinc dust (5 g per 1 l of solution). The duration of the test was 144 hours. The determination of the susceptibility of St. Kh23N27M2T to IC was carried out under the same conditions, but during 3 cycles it was carried out every hour at 80°C replacing the solution every hour. There were 5 cycles of umpire control in a solution (in percent): HNO₃ 10 + NaF 2 at 80°C. The sharp in-

Card 1/2

Methods for Determining the Susceptibility of Kh23N23M3D3, Kh23N27M3D3T and Susceptibility of Kh23N23M3D3, Kh23N27M3D3T and

crease in the penetration depth of IC with an increase in the duration of the test of Kh23N27M3D3T steel has been found. This is not observed in St. Kh23N23-

From the authors' summary

Card 2/2

Shvarts, G.L. and Kuznetsova, Yu.S. 80V/136-58-12-17/22 .AUTHORS:

TITIE: Use of Acid-resistant Steels for Making Plant for

Certain Hydro-metallurgical Processes (Primeneniye v nekotorykh gidrometallurgicheskikh protsessakh

kislotostoykikh staley dlya izgotovleniya oborudovaniya)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 12, pp 79 - 80 (USSR)

Developments in the nickel-cobalt industry require new ABSTRACT: plant for working at high temperatures (and sometimes pressures) in highly corrosive media. The authors describe their work in collaboration with G.N. Dobrokhotov and A.F. Samsonova of the Gipronikel' Institute. on the selection of corrosion-resistant steels for

reactors for acid leaching of sulphide materials containing 33-76% Ni, up to 5% Cu, up to 7% Co and 3-30% Fe.

Two liquids, corresponding to processes at the

Yuzhuralnikel' and Severonikel' Combines, were used in the tests. Test temperatures were 135 ± 3 °C, oxygen pressures 10 atm gauge and stirring intensity corresponding to Re = 20 000, duration 500 hours. Of the steels tested, types Kh18N12M2T, Kh18N12M3T and Kh23N28M3D3T showed

satisfactory loss-of-weight characteristics but the first

developed cracks in welded joints (Figure 2). Best Card1/2

SOV/136-58-12-17/22 Use of Acid-resistant Steels for Making Plant for Certain Hydrometallurgical Processes

> results were obtained with type OKh23N28M3D3T (EI943) lowcarbon steel and the authors recommend this for acid carbon steel and the authors recommend this for acid leaching of sulphide materials. In further work effected under laboratory conditions, the authors found the following steels best for continuous vacuum evaporation plant: lKhl8N9T for copper sulphate solution; Khl8N12M2T for zinc sulphate solutions at temperatures below 105 °C, OKh23N28M3D3T (E1943) for nickel sulphate below 105 °C. Special treatment for weld seams is desirable and the last steel can be used for nickel mother liquors if the temperature is reduced to 80 °C. There are 2 figures.

ASSOCIATION: NIIKhIMMASh

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

	The state of the s		PRANT I BOOK ELPLOTIZETINE BOY ASS		Machical target and the percent of percent of percent forces, become near region of farter of the percent of percent forces, 1960.	Ed.: X.4. Levin, Candidate of Pachnical Sciences; Mt. of Publishing Roser; XX. Leminberhold, Baddeser; Pach, XA.; Y. M. Erinain Samedage Ed. for Radionery Editories and Instrument Saking (Sachdess); V.Y. Radionery, Editories and Candidate of Candidate of Pachdess); V.Y. Radionery, (Chairman); V.R. Battaker, Candidate of Pachdess of Pachdess of Pachdess of Sakings, Sakings of Pachdess of Pachdess of Sachdess of Pachdess of	1	OCTURES: The collection contains discusions of interriptabilise corrusion of staining states over the discussion of staining states corrusion of extens seeming, journalized management of staining swelling and staining and southernum alloys. The tendency of staining various composite the seeming of staining staining of staining seeming the section of staining st	II. INTERCEMENTAL OR COMMUNICATION OF STRAINS STREETS	Cheakis, D., L., Candidate of Technical Relement, S.L. Vol'foom, and Tu. S., Modrader, Edisser. Effect of Blow Sactic on the Tendency of 120,3977.	Eximalatio, P.F., Condidons of Technical Sciences, and E.J., Israian, Childre Gainstfile Worker, Study of the Industry of the Childry, INCLES, and I.D. 187 Types of Chronium-Hotel Studie Toward.	Bedry H. B. L. J. M. Jenger, and M.M. Furthure, Conditions of Treibelt all Sciences. Intertry calline Corrosine Concentrated Lings for Parism Line of Volkel Joints of the 13-5 Type Scaling Speak (Thirk - Type Corrosins)	Lorytin, L.F., and L.F. Himmon. Effect of the Electric Beeting of the Linky Seel on the Processes Detracting Its Besistance to Intercretalities Correctos.	Bertdorkeys, Yo. A., Caskidate of Technical Sciences, L.P. Keebal. Expirer; and Yo. I. Brankess. Cackidate of Technical Sciences. Expect of the Best Treatment of Soo Stations States on Their Technology Theory Litatory Malline Gorradios	ob-Unter Corrollen of	Essentia, O.L., Condidate of Perinded Sciences, and Tr. S. Bennetson. Explorer. Libertynialline Correston and Correston Creding of Thinkson. Expeditor Assemble Seedia	fortows, No. W., Radioser, Tundency of Chronius-Michal-Malybdenus-Copper Wools Town'd Interesty tallies Corrosion.	Scholor, A.A., Condidate of Technical Sciences. Development of Two-Passe TOFILA-In Effective Bones of Increasing Scialarse Start, Resistance to Intercrystalline Correction	Levis, I.d., Condidate of Primical Sciences. Here on the Freelen of the 123. Thirst of Stainless Steel Intervity talline Corrector.	Veterative, M.A., Engineer, and M.D. Transbow, Burtow of Chemical Sciences, Professive, Districting Interceptations correctes of Chronim-Main. Americally Stocks by Reserving the External Principal	Card 1/9		
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	------------------------------------	--	------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------	--	--

KUZNETSOVA,

18.8300

81882

8/129/60/000/08/009/009

18.1150

E073/E135

AUTHORS:

Kuznetsova, Yu.S. (Engineer), and

Shvarts, C.L. (Candidate of Technical Sciences)

TITLE:

Corrosion Cracking of Chromium-Nickel-Molybdenum-

Copper Steels in Sulphuric Acid Solutions

PERIODICAL: Metallovedenive i termicheskaya obrabotka metallov, (+ 2 plates) 1960, No 8, pp 53-56

The authors summarise earlier results and results published in literature on the subject. These are supplemented by further results obtained under laboratory conditions of investigation of commercially produced welded tubes of the steel Kh23N28M3D3T and also of sheet specimens of the same steel and of the steel Kh23N23M3D3. Whost of the experiments were carried out in sulphyric said solutions with more carried out in sulphyric said solutions with more carried out. in sulphuric acid solutions with various concentrations at 80 °C and at boiling point. The test results for periods of 1000 hours and longer are entered in a Table, p 54. sulphuric acid solutions, the experiments were carried out in sulphuric acid solutions of nickel sulphate containing: N1804 125 g/litre; Cu804 0.5 to 1 g/litre; H2SO4 200 g/litre at 60 °C, and N1804 250 g/litre; CuS04 1 to 2 g/litre; H2804 400 g/litre at 105 °C. The results are summarized thus:

81882 \$/129/60/000/08/009/009 E073/E135

Corrosion Cracking of Chromium-Nickel-Molybdenum-Copper Steels in Sulphuric Acid Solutions

1) The chromium-nickel-molybdenum-copper steels Kh18N28M3D3, Kh23N28M3D3T and OKh23N28M3D3T, which are recommended for operation in sulphuric acid media, are prone to intercrystallite corrosion. Of these the first two mentioned ones have the strongest tendency to develop intercrystallite corrosion and, therefore, should not be used for welded equipment intended to operate in media containing sulphuric acid.

2) Welded seams of the steel Kh23N28M3D3T containing less than 0.06% C are not prone to intercrystallite corrosion. If therefore, this steel is recommended for welded equipment intended for operation in solutions containing sulphuric acid.

3) In the case of residual stresses, the investigated steels are prone to transcrystalline corrosion cracking in sulphuric acid tests (20, 30, 40 and 50 wt.%) at 80 °C and at the boiling temperature.

Card 2/3

81882

S/129/60/000/08/009/009 E073/E135

Corrosion Cracking of Chromium-Nickel-Molybdenum-Copper Steels in

4) Heating of the steel Kh23N28M3D3T at 950 °C followed by cooling in air reduces its tendency to corrosion cracking under

There are 3 figures, 1 table and 8 Soviet references.

· , . . .

Card 3/3



KUZNETSOVA, Yu.S., inzh. Gonference ou rapid methods of analysis for iron ores and nometallic metallurgical raw materials. Zav.lab. 27 no.5:630 '61. (MIRA 14:5) (Metallurgical analysis—Congresses)

KUZNETSOVA, Yu.S. (Moskva); PLAKSIN, I.N. (Moskva); SUVOROVSKAYA, N.A. (Moskva)

Extraction of rare earths from hydrochloric acid solutions.

Izv.AN SSSR. Otd.tekh.nauk. Met.i topl. no.4:59-61 Jl-Ag '62.

(MIRA 15:8)

(Rare earths) (Hydrochloric acid)

KUZNETSOVA, Yu.S., inzh.

Some regularities in the extraction of rare-earth elements with di-(2-ethylhexyl)phosphoric acid. Nauch. soob. IGD 19:100-106
163. (MIRA 17:2)

-Kuzhersova z. A.

"The Influence of Fertilizers on Crop. Yield in Relation to the Extent of Soil Erosion on Slopes." Sub 8 Jan 51, All-Union Sci Reg Inst of Fertilizers, Agricultural Engineering and Soil Science.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

Thy was the professional and t

: USSR M COUNTRY : Cultivated Plants. CATEMORY Grains, Legumes. Tropical Cereals. AES. JOUR. : RZhBiol., No. 3, 1959, No. 10929 : Kuznetsova, Zaskow : All-Union Scientific Research Institute of Fertilizers*) AUTHOR : Density of the Corn Stand - One of the Basic Conditions of IMST. Securing High Yields of Green Roughage. TITLE : Byul. nauchno-tekhn. inform. Vses. n.-i. in-t udobr. i agropochyoved., 1957, No. 3, 55-59.

Experiments at the Central Experimental Station of VIUA ORIG. PUB. (All-Union Institute of Fertilizers and Agricultural Soil ABSTRACT Science) in Moscow Oblast' with the varieties VIR-42, Osetinskaya Belaya and Uspekh, repeated 4 times. In planting 70 x 70 cm and leaving 5 plants in each hill, there was secured a yield of 411.2 centners/na of the green roughage and ears; with wide row planting with 60-70 cm spaces between the rows - 473.9 centners/ha; *) and Agricultural Soil Science CARD: 1/2

-40-

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

COUNTRY	•			
ABS. JOUR.	: RZhBiol., No.	1959, No. 10929		
AUTHOR	1			
INST.	- t			
TITLE	:			
•				
ADTA DID	•			
ORIG. PUB.		ll planting with spaces		
t	t = # mm m + 11	ha. In order to obtain wity, it is necessary to curity and leave 3-4 plans suyakovich	DIEDEC CONTRACTOR	
i			1	
1			•	
:				
		•	į	
		•		
CARD: 2/	· '2	•		
CARD: 2/	2	•		
CARD: 2/	'2	•		
CARD: 2/	'2	,		

M

Country: USSR

Category: Cultivated Plants. Fodders.

Abs Jour: RZhBiol., No 22, 1958, No 100339

: Kuznetsova, Z. Author

: The Causes of the Decline in Red Clover in Inst

Tomskaya Oblast'. Title

Orig Pub: S.kh. Sibiri, 1958, No 1, 29-31.

Abstract: Observations on the fields of three kolkhozes and also on the experimental plot of the

Botanical Garden of Tomsk University showed that the decline in red clover is explained by an insufficient thickness of the snow cover while the plants are poorly provided with nutrients. Clover survived better in

: 1/2

Card

Country : USSR

Category: Cultivated Plants. Fodders.

Abs Jour: RZhBiol., No 22, 1958, No 100339

depressions, and also when a forest was nearby where greater thickness in the snow cover is formed. In the experiment conducted on the plot of the Botanical Garden, with the snow cover thickness amounting in March to 36 centimeters, the decline in the clover plants sown in spring under a cover crop (winter rye), equalled 6% on the plot dressed with humus and 30% on an unfertilized plot. -- G.N. Chernov

Card : 2/2

M-90

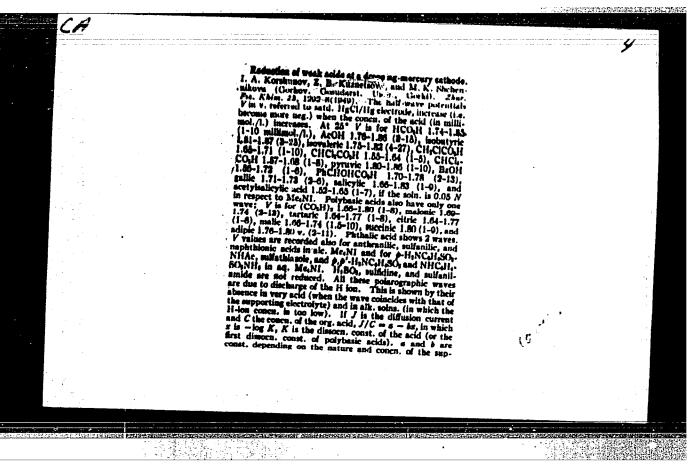
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6"

M

Study of top soil erosion, Zemledelie 6 no.2:46-49 '58. (MIRA 11:3)

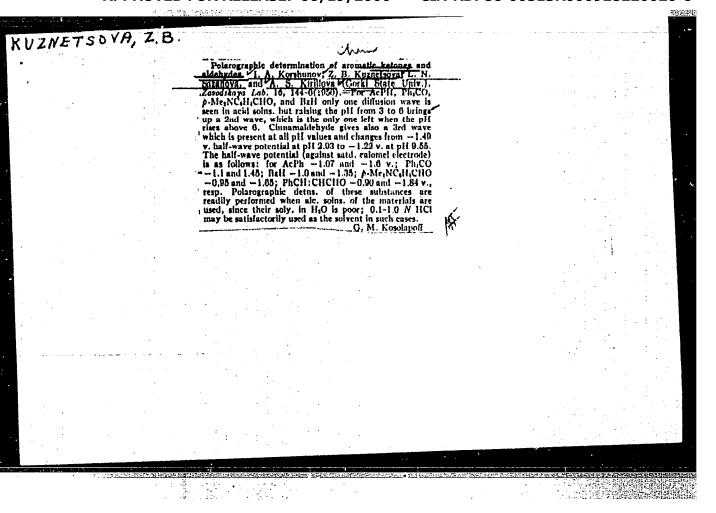
(Brosion)

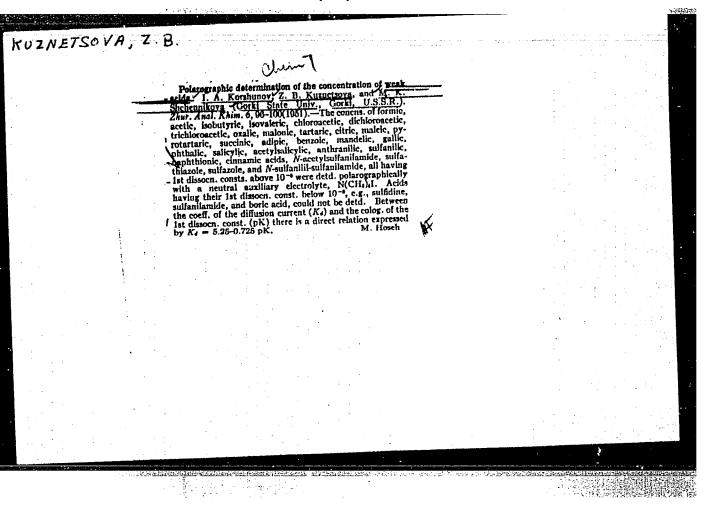
Control of the Property of the Control of the Contr	ence and the control of the control	10.75 11.86 12.86 14.76 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14.86 14
A Service Control of the Control of	And the state of t	7
	Palaragraphic method of determination of aldehydee and ketenes with osciogated bands. M. J. Cerlies. M. Kusnetsova, and M. B. Nelman. Char. Anal. Ahm. 103-7(1949).—Citral, cinnamaldehyde, jasmine aldehyde, anisaldehyde, piperonal, methylionone, pseudomethylionone, and citronellai were detd. polarographically in acid. (ICI), sertral (LiCI), and alk. (KOH) selas. The aldehydes were taken as ale, asias, and mixed with aqualis, of the respective supporting electrolytes. When the ale, and aq. solas, were mixed in ratios of 1:2 or 1:1, the polarograms had manina which could not be depreased by griatin. The manima disappeared when the ratio of the selas. was 2:1. The reduction potential of these substances depended on the medium. The relation between the height of the cutter and content. The relation helween the height of the cutter and content. A hei's a where I is the diffusion current in microsumps., c the consist of substance is mod./L., m in the rate of dropping of tig in mg./sec., I period of dropping, and K is a count. The reduction potentials and K for these substances were: Citral	
	The values of R are given in v . Citronellal could be restricted only in neutral or alls, soln, in which case the v -direction patential was $-1.9 v$, and the value of K 1.15. M. Husch	
Chin Iwag	Chem., Conking State U.	



"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220020-6





"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220020-6

KUZNETSOVA, Z. B. and KORSHUNOV, I. A.

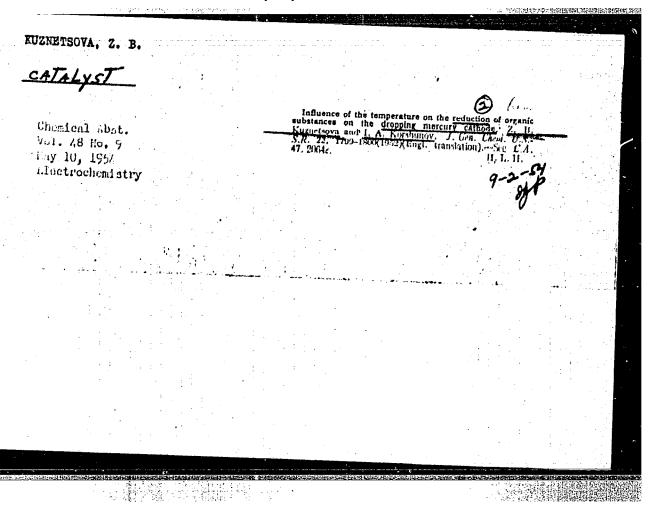
"Polarographic Determination of the Esters of Organic Acids," Zavodskaya Laboratoriya, No.9, 1952, pp 1075-1079.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

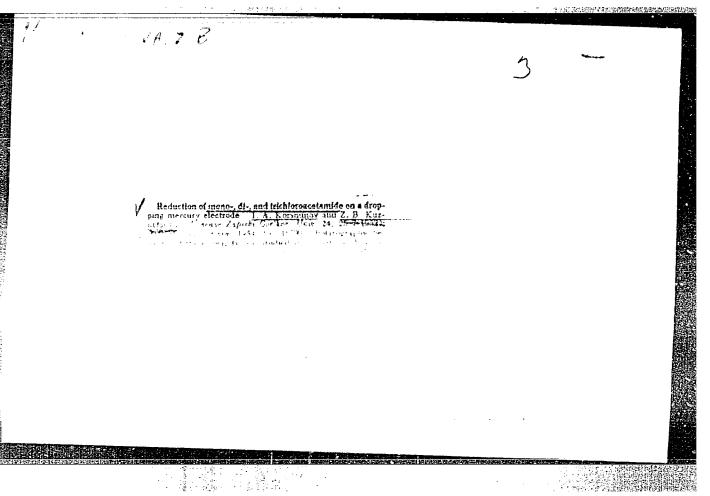
- 1. KUZNETSOVA, Z. B., KORSHUNOV, I. A.,
- 2. SSSR (600)
- 4. Electrodes
- 7. Effect of temperature on the reduction of organic substances at a dropping mercury electrode.

 Zhur. ob. khim. 22 No. 10, 1952 1756

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



"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6



SIAVNINA, T.P.; POTEKHINA, L.I.; KUZNETSOVA, Z.D.; SIMONOVA, Ye.I.

Characteristics of soil in the rhizosphere zone of winter rye' and oats in dark-gray and gray forest soils. Nauch.dokl.vys. shkoly; biol.nauki no.4:190-198 58. (MIRA 11:12)

1. Rekomendovana kafedroy pochvovedeniya Tomskogo gosudarstvennogo universiteta imeni V.V.Kuybysheva.

(Rhizosphere microhiology) (Rye) (Oats)

KUZNETSOVA, Z.D.

Groups of particles less than 0.01 mm. in diameter in meadow chernozens and Gray forest soils of Tomsk Province. Izv. Sib. otd. AN SSSR no.1:114-119 *60. (NIRA 13:7)

1. Tomskiy gosudarstvennyy universitet.
(Tomsk Province--Soil particles)

KAZANSKIY, B.A.; DOROGOCHINSKIY, A.Z.; ROZENGART, M.I.; KUZNETSOVA, Z.F.; LYUTER, A.V.; MITROFANOV, M.G.

Changes in alumina-chromia catalysts during the aromatization of n-hexane. Kin.i kat. 4 no.5:768-772 S-0 '63. (MIRA 16:12)

1. Institut organicheskoy khimii AN SSSR imeni N.D.Zelinskogo i Groznenskiy neftyanoy nauchno-issledovatel'skiy institut.

5 (2; 3)

AUTHORS:

Kazanskiy, B. A., Academician, Rozengart, M. I., Kuznetsova, Z. F.

SOV/20-127-6-23/51

TITLE:

The Effect of Added Elements of the 2nd Group of the Periodic System Upon the Activity of Aluminum-chromium Catalysts in

Aromatization

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 6, pp 1228-1230

ABSTRACT:

In the present paper, the authors proved that the elements mentioned in the title (except for Hg which was not tested) favor the aromatization of cyclohexane. This effect increases with the increasing atomic weight from Be to Ba. The said effect was weaker in the dehydrocyclization of n-heptane. Unly the alkaline earth metals exhibited it. An addition of Be, Mg, and Zn had practically no effect on the activity of the catalyst; an addition of cadmium even reduced it slightly. The experiments with cyclohexane were carried out twice through 4 hours each; the catalyst was regenerated after each experiment. The temperature was 520°, the volume velocity was 0.35 h per volume unit. Table 1 indicates the results obtained. It shows that the yield in aromatic substances on the beryllium-containing sample rose

Card 1/2

The Effect of Added Elements of the 2nd Group of the SOV/20-127-6-23/51 Periodic System Upon the Activity of Aluminum-chromium Catalysts in

by 5%, with magnesium by 5.5, with calcium by 10, with strontium by 13, and with barium by 17.6%. The results obtained with n-heptane (temperature 530°, volume velocity as above) are shown in table 2. It shows that the effect of all said elements in the dehydrocyclization of n-heptane was much weaker than above. The yields in unsaturated compounds were small in the arbmatization of cyclohexane (0.4-2.6%, Table 1). There are 1 figure, 2 tables, and 2 Soviet references.

ASSOCIATION:

Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni F. D. Zelinskiy of the Academy of Sciences, USSR)

SUBMITTED:

June 5, 1959

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6"

5(3) \$0\(\tau/20-126-3-31/69\)

AUTHORS: Kazanskiy, B. A., Academician, Rozengart, M. I., Kuznetsova, Z. F.

TITLE: Destructive Alkylation of Benzene by Propane (Destruktivnoye al-

kilirovaniye benzola propanom)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 3,

pp 571 - 574 (USSR)

ABSTRACT: The reaction of paraffin hydrocarbons with aromatic hydrocarbons can open new ways to the production of various aromatic sub-

stances, and contribute to clarify the nature of catalytic trans-

formations. But it belongs to the most poorly investigated branches of hydrocarbon chemistry. Patents (Refs 1,2) show that benzene is alkylated by paraffin hydrocarbons in the presence of hydrogen fluoride, boron fluoride, as well as their mixtures. The patents state that only such paraffins are suitable which possess no less than 5 carbon atoms in the chain. On the basis of references 4-9, it was to be expected that toluene would originate by the interaction of benzene with different paraffin

hydrocarbons under pressure and in the presence of nickel catalysts. Preliminary experiments by the authors have confirmed this expectation, for it came true with normal paraffin hydro-

carbons (heptane, hexane, butane, propane) at a much lower

Card 1/2 pressure (60 atmospheres overpressure) than indicated in refer-

Destructive Alkylation of Benzene by Propane

507/20-126-3-31/69

ence 6. The said reaction of benzene with propane was closely investigated by the authors on nickel deposited on siliceous earth. Table 1 shows the yields of "alkyl benzenes", table 2 the influence of temperature on this yield. Table 3 indicates the influence of the duration of test on the activity of the catalyst. Figures 1 and 2 show the fractionation curves of the catalyzates. There are 2 figures, 3 tables, and 11 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences. USSR)

SUBMITTED: March 11, 1959

Card 2/2

5(2)

AJTHORS:

507/20-126-4-27/62

Kazanskiy, B. A.; Academician, Rozengart, M. I.;

Kuznetsova, Z. F.

TITLE:

The Effect of Some Admixtures of Alkali Elements on the Properties of Aluminum-chromium Catalysts (Vliyaniye dobavok shchelochnykh elementov na kataliticheskiye svoystva alyumo-khromovykh katalizatorov)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 4, pp 787-790 (USSR)

ABSTRACT:

As is known, the admixture of small amounts of potassium and cesium to the catalysts mentioned in the title, increases the output of final products in the reaction of aromatizing paraffin hydrocarbons (Ref 1). In publications however, there are no reliable statements on a similar effect of other alkaline elements. The present article is dedicated to the latter problem. A description follows of the effects of equivalent amounts of Li, Na, K, Rb and Cs on the activity of two preparations A and B of the mentioned catalyst, in the reaction of dehydrogenation of n-heptane at 520°. Lithium is ineffective for the increase of the output of aromatic products of heptane. The introduction of sodium however, raises

Card 1/3

SOV/20-126-4-27/62

The Effect of Some Admixtures of Alkali Elements on the Properties of Aluminum-chromium Catalysts

the output in both catalysts by 8%. This promoting effect still increased with potassium (13 and 11%), and reached its maximum with rubidium (21 and 15%), for cesium it was 9 and 13%. The same was observed in the dehydrogenation of cyclohexane with A and B. There is a great similarity between the effect mentioned above and that of the same admixtures to catalysts of iron magnesium (Ref 3). If alkali elements are added to the catalysts mentioned in the title, the output of the catalyst increases, i.e. the cracking of hydrocarbons decreases. This gives reason to the opinion that there are active centres in the catalyst concerned which catalyze reactions of cracking and of the polymerization of unsaturated hydrocarbons. In their course they develop carbonium ion, similar to the classical case of the catalyst aluminum silicate. Such an admixture of alkali elements apparently reduces the "coke" sediment on the catalyst and thus increases the stability of the latter (Ref 4). It is to be expected that the application of alkali elements will reduce the temperature of regeneration in the catalyst. This would increase the stability of the latter, and extend the duration of their application. On the

Card 2/3

The Effect of Some Admixtures of Alkali Elements on the Properties of

other hand, the thermal stability of the catalyst is reduced by alkali (Ref 4). The role of this one part of the effect of alkali cannot be explained sufficiently. There are 2 figures, 2 tables, and 6 references, 3 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

(Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

SUBMITTED: April 13, 1959

Card 3/3

ROZENGART, M.I.; KUZNETSOVA, Z.F.

Effect of additions on the increase in activity of catalysts for the dehydrocyclization of paraffins. Kin.i kat. 3 no.6:942 N-D '62. (MIRA 15:12)

l. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

(Paraffins)

(Aromatization)

(Catalysts)

ROZENGART, M.I.; KUZNETSOVA, Z.F.; GITIS, K.M.

Role of an alkali promoter in the development of an aluminum-chrome catalyst for the dehydrocyclization of paraffin hydrocarbons. Neftekhimiia 5 no.1:17-23 Ja-F 165.

(MIRA 18:5)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

GREBNEV, V.N.; KUZNETSOVA, Z.I.; KHALILULLINA, Z.F.; MEYER, L.K.

Movement for public health and personal hygiene in Kulebaki in Gorkiy Province. Zdrav. Ros. Feder. 5 no. 3:14-16 Mr '60. (MIRÁ 14:2)

1. Iz Kulebakskogo gozdravotdela (zav. V.N. Grebnev) i otdela organizatsii zdravookhraneniya Moskovskogo instituta gigiyeny imeni F.F. Erismana (dir. A.P. Shitskova).

(KULEBAKI—HEALTH EDUCATION)

ADAMOVICH, P.V.; BATURIN, V.V.; VAKHVAKHOV, G.G.; VAYNGAUZ, L.G.; VILENSKIY, Ye.Ya.; GAMBURG, P.Yu.; DAVYDOV, Yu.S.; KARPIS, Ye.Ye.; KUZNETSOVA. Z.I.; KOP'YEV, S.F.; LIVCHAK, I.F.; LOBACHEV, P.V.; IEV, G.M.; NOTKIN, Ye.M.; PIRUMOV, A.I.; POLIKARPOV, V.F.; PROTOPOPOV, A.P.; REPIN, N.N.; SLADKOV, S.P.; TALIYEV, V.N.; TROITSKAYA, F.B.; FEDOROV, M.N.; SHEVELEV, F.A.; SHKABEL'NIKOVA, L.P.; SHCHUTSKIY, A.I.; SMIRNOV, L.I., inzh., nauchnyy red.; SMIRNOVA, A.P., red. izd-va; MOCHALINA, Z.S., tekhn. red.; RODINOVA, V.R., tekhn. red.

[Present level and prospects for the development of sanitary engineering and the production of sanitary engineering equipment] Sovremennyi uroven' i perspektivy razvitiia sanitarnoi tekhniki i proizvodstva sanitarno-tekhnicheskogo oborudovaniia. Moskva, Gosstroiizdat, 1962. 283 p. (MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut sanitarnoy tekhniki.

(SANITARY ENGINEERING)

KOVALEV, S.A., inzh., red.; CHERNIN, L.A., inzh., red.; KUZNETSOVA,
Z.I., kand. tekhn.nauk; MOISEYENKO, A.T., inzh., red.;
MOSKALEV, N.M., kand. tekhn. nauk; VOLKOV, A.V., kand.
tekhn. nauk, red.; STRASHNYKH, V.P., red.izd-va; PETROVA,
V.V., red.izd-va; RODIONOVA, V.M., tekhn. red.

[Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiisdat. Pt.I. Sec.G. ch.I. [Water-supply and sewer system. Hot-water supply. Interior installation. Equipment, fixtures, and materials] Vodoprovod i kanalizatsiia. Goriachee vodosnabzhenie. Vnutrennie ustroistva. Oborudovaniia, armatura i materialy (SNiP I-G. I-62). 1963. 15 p. Pt.I. Sec.V. ch.17. [Asphalt and tar binders] Bitumnye i degtevye viazhushchie (SNiP I-V. 17-62). 1963. 8 p.

(MIRA 16:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva Soveta Ministrov SSSR (for Kovalev, Moiseyenko). 3. Mezhvedomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil Akademii stroitel'stva i arkhitektury SSSR (for Chernin, Moskalev). 4. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki Akademii stroitel'stva i arkhitektury SSSR (for Kuznetsova). 5. Gosudarstvennyy Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut Ministerstva transportnogo stroiel'stva SSSR (for Volkov).

(Water-supply engineering) (Sewerage) (Asphalt)

SKUL'SKIY, Yu.V.; TISHURA, V.I.; REPIN, N.N.; BEKHALOV, V.N.; KUZNETSOVA, Z.I.

Machine for the welding of cast iron pipe joints and fittings for sanitary engineering systems. Avtom. svar. 16 no.11:72-77 N '63. (MIRA 17:1)

1. Institat elektrosvarki imeni Ye.O. Patona AN UkrSSR (for Skul'skiy, Tishura). 2. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki (for Repin, Bekhalov, Kuznetsova).

KUZNETSOVA, Z. I.

11 Sep 52

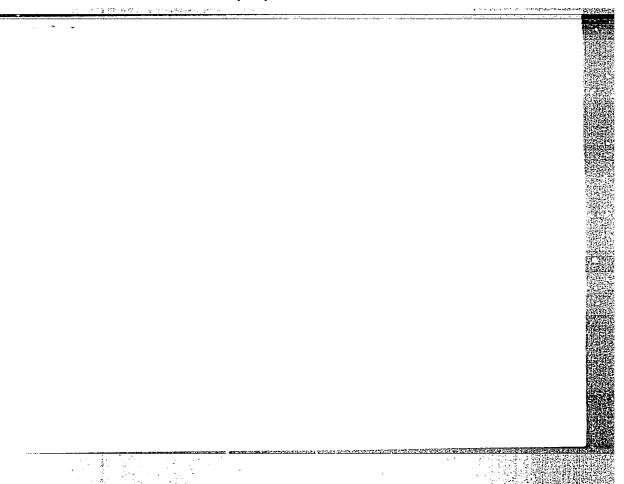
USSE/Chemistry - Cellulose

"Primary Oxidation Changes in Cellulose Due to Hydrogen Peroxide," V. I. Ivanov, Ye. D. Kaverzneva, Z. I. Kuznetsova, Inst of Org Chem, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol 86, No 2, pp 301-304

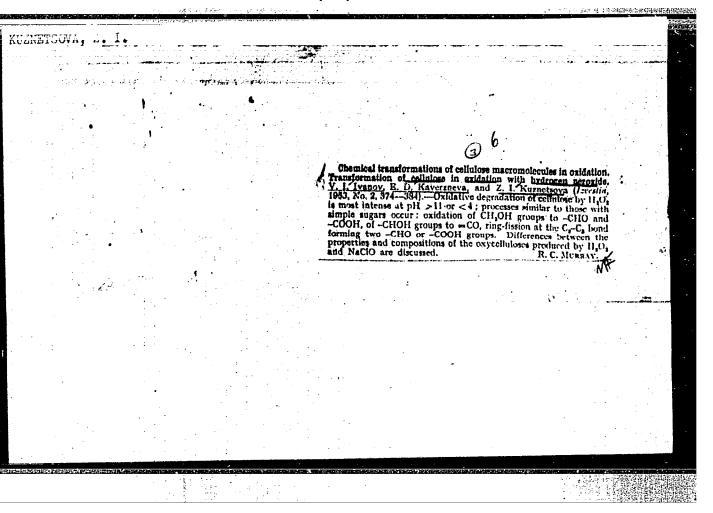
The primary change in the simple members of the cellulose macromol during the action of hydrogen peroxide is conversion to a glucosone structure. Depending on the FH the surrounding groups will undergo changes described in previous work. Presented by Acad A. N. Nesmeyanov.

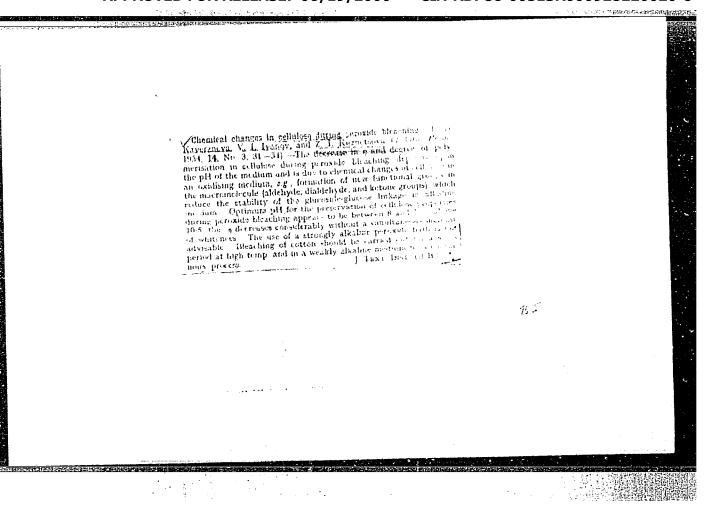
PA 235T23



"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220020-6





Name: KUZNETSUVA, Z. I.

Dissertation: A study of the chemical transformation of mucromolecular

cellulose in oxidation with hydrogen peroxide

Degree: Cand Chem Sci

Acad Sci USSR, Inst of Organic Chemistry

Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 45, 1956

KUZNETSOVA Z.I., KAVERZNEVA, Yo.D.; IVANOV, V.I.

Influence of the ketone group on the stability of glucosidic linkage. Isv. AN SSSR. Otd. khim. nauk no.5:655-656 My 157.

(MERA 10:8)

1. Institut organicheskoy khimii im. W.D. Zelinskogo Akademii nauk SSSR.

(Ketones) (Chemical structure)

AUTHORS:

Ivanov, V. I., Kuznetsova, Z. I.

62-58-5-24/27

TITLE:

On the Chemical Nature of Weak Bonds in the Cellulose-Molecule (O khimicheskoy prirode slabykh svyazey v molekule tsellyulozy) Communication 1. The Influence of the Carboxyl Groups in the Cellulose-Molecule on the Stability of the Glucoside-Bond (Soobshcheniye 1. Vliyaniye karboksil'nykh grupp v molekule tsellyulozy na ustoychivost' glyukozidnoy svyazi)

PERIODICAL:

Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, 1958, Nr 5, pp. 646-648 (USSR)

ABSTRACT:

Great attention has been paid during recent years to the investigation of the details of the chemical structure of the cellulose molecule (Ref 1), especially because some properties of cellulose cannot be explained by the previously known chemical structure of the same (Ref 2,3). It was found by the example of the investigated model-compounds of the strontium-salt of the D'--methoxy-D-oxy-methylglycolic acid (formula II) and of the d--methyl-glucoside (formula III) that COOCH-groups reduce the stability of the acetal-bond in an acid medium. It was further found that dicarboxyl-groups in the position 2,3 can be the cause for

Card 1/2

On the Chemical Nature of Weak Bonds in the Cellulose - 62-58-5-24/27 - Molecule. Communication 1. The Influence of the Carboxyl Groups in the Cellulose-Molecule on the Stability of the Clucoside-Bond

the weakening of the glucoside-bond of the cellulose-molecule in an acid medium. There are 2 tables, and 11 references, 5 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N.D. Zelinskogo Akademii

nauk SSSR (Institute for Organic Chemistry imeni N.D. Zelinskiy

AS USSR)

SUBMITTED: January 3, 1958

1. Cellulose--Chemical analysis

Card 2/2

5(3) AUTHORS:

Kuznetsova, Z. I., Ivanov, V. I.

sov/62-59-9-31/40

TITLE:

On the Comparable Stability of Glucoside Linkages in Cellulose

and Its Models

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniyekhimicheskikh nauk,

1959, Nr 9, pp 1678-1679 (USSR)

ABSTRACT:

In the present paper the behavior of the acetal linkages in 1, &-methylglucoside (II), \$\beta\$-methylcellobioside (III), and cellulose (IV) in 97% acetic acid at room temperature is investigated. Cotton cellulose is depolymerized under the conditions mentioned from a state of 100% polymerization down to 20% polymerization, but not further (Table 1). Under the same conditions &-methylglucoside, in the course of a year, is hydrolyzed except for 2%. Subjected to the same treatment, (III) remained practically unchanged for half a year. From these observations it is concluded that cellulose molecules disintegrate

Card 1/2

On the Comparable Stability of Glucoside Linkages in SOV/62-59-9-31/40 Cellulose and Its Models

> at the weakened glucoside-glucose linkage. The degree of hydrolyzation as a function of time is given in table 2. The degree of polymerization was determined by viscosity measurements. There are 2 tables and 2 Soviet references.

Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk ASSOCIATION:

SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the

Academy of Sciences, USSR)

SUBMITTED: February 27, 1959

Card 2/2

KUZNETSOVA, Z.I.; IVANOV, V.I.

Influence of CHO groups in the cellulose molecule on the stability of the acetal bond in acid medium, as studied on model compounds. Isv. AN SSSR.Otd. khim. nauk no.11:2044-2045 N 160.

(HIRA 13:11)

 Institut organicheskoy khimii im.N.D.Zelinskogo AN SSSR. (Formyl group) (Cellulose)

KUZNETSOVA, Z.I.; IVANOV, V.I.

Dydrolatic degradation of Di-methoxy-D-hydroxymethyldethylene glycol in an acid medium. Izv.AN SSSR.Otd.khim.nauk no.5:930-.
(MIRA 14:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Diethylene glycol)

S/062/62/000/011/018/021 B101/B144

AUTHORS:

Kuznetsova, Z. I., Ivanova, V. S., and Shorygina, N. N.

New nitrogenous cellulose derivatives

TITLE:

Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh

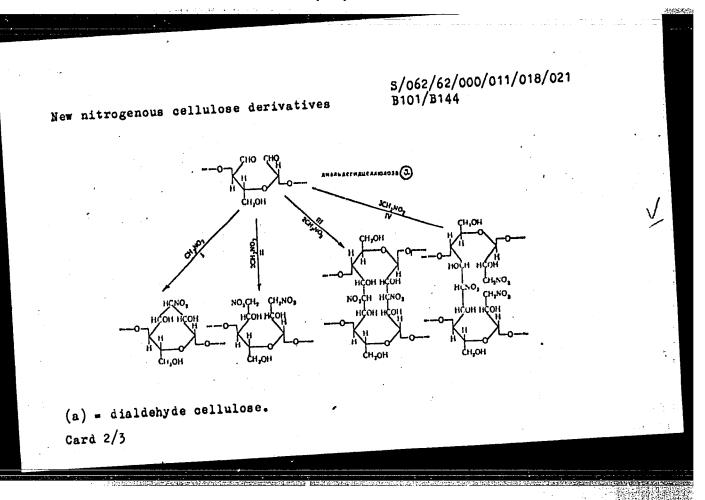
PERIODICAL:

nauk, no. 11, 1962, 2087 - 2089

TEXT: The possibilities of modifying the properties of cellulose by introducing new functional groups in the macromolecule were studied. For this purpose, the condensation of dialdehyde cellulose (19.2% aldehyde groups) with nitro-methane in alkaline solution at 5°C was carried out for the first time. The following general reaction course is assumed:

Card 1/3

CIA-RDP86-00513R000928220020-6" APPROVED FOR RELEASE: 06/19/2000



New nitrogenous cellulose derivatives

S/062/62/000/011/018/021 B101/B144

The nitrogen content of the resulting preparations reached 3.4 - 4.96%, the increase in weight was 17 - 20% of the initial weight. These data imply that the reaction proceeds mainly in the direction of I and II; one of the two directions can be selected by choosing the reaction conditions. The resulting nitro derivatives are yellow, keep their fibrous structure, and are stronger and more elastic than the initial dialdehyde cellulose. Further new cellulose derivatives, e.g. those with NH₂ groups, are to be synthesized by reaction of the NO₂ groups. There is 1 table. The most dimportant English-language reference is: H. Baer, H. Pischer, J. Amer. Chem. Soc., 82, 3709 (1960).

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences USSR)

. SUBMITTED: June 18, 1962

Card 3/3

IVANOV, V.I. KUZNETSOVA, Z.I.; LENSHINA, N.Ya.; IVANOVA, V.S.

Structure of cellulose chain molecules. Trudy LTA no.91:33-37 '60. (MTRA 15:12)

1. Institut organicheskoy khimii AN SSSR. (Cellulose) (Molecules)

KUZNETSOVA, Z.I.; IVANOV, V.I.; OVCHINNIKOVA, M.G.

Hydrolysis of acetal bonds in an acid medium in the compounds modeling some modified cellulases. Izv. AN SSSR.Otd.khim.nauk no.10:1886-1888 0 162. (MIRA 15:10)

 Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Cellulose) (Acetal) (Hydrolysis)

KUZNETSOVA, Z.I.; IVANOV, V.I.; DOBRZHINSKAYA, M.S.

Effect of the structure of elementary links of modified cellulose during its oxidation. Izv. AN SSSR.Otd.khim.nauk no.10:1888-1889 0 '62.

(MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Cellulose) (Oxidation)

KUZNETSOVA, Z.I.; IVANOV, V.I.; PROSTYAKOVA, V.M.

Oxidation of D'-methoxy-D-hydroxymethyldiglycolaldehyde by nitrogen oxides. Izv. AN SSSR. Ser.khim. no.9:1688-1690 S '63. (MIRA 16:9)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Glycolaldehyde) (Nitrogen oxides)

KUZNETSOVA. Z.I.; IVANOVA, V.S.; SHORYGINA, N.N.

Nitrocarboxy derivatives of cellulose. Izv. AN SSSR. Ser.khim. no.9:1686-1688 S '63. (MIRA 16:9)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Nitrocellulose)

ACCESSION NR: AP4039620

\$/0076/64/038/005/1182/1187

AUTHORS: Vol'nov, I.I. (Moscow); Tsentsiper, A.B. (Moscow); Chamova, V.N. (Moscow); Laty*sheva, Ye.I. (Moscow); Kuznetsova, Z.I. (Moscow)

TITLE: Synthesis of oxygen-labeled hydrogen peroxide from dissociated heavy oxygen water in the glow discharge

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 5, 1964, 1182-1187

TOPIC TAGS: oxygen labeled hydrogen peroxide, hydrogen peroxide synthesis, heavy oxygen water, glow discharge, heavy oxygen water vapor, labeled peroxide synthesis parameter, oxygen isotope, deuter-ium labeled oxygen peroxide, oxygen isotope content

ABSTRACT: The equipment for this efficient laboratory synthesis is figured. The discharge tube was fed with a 1150-1800 volt, 0.1-0.5 amp. current. The oxygen-labeled water vapor was fed at the rate of 0.03-1.84 mol/hour, the vapor pressure was 0.43-0.53 mm Hg. The dissociated water vapor was removed from the discharge area, cooled, etc. and the yield determined by titration. This was a function of the parameter Up.v, where U is the discharge force (kwa), v the rate

ACCESSION NR: AP4039620

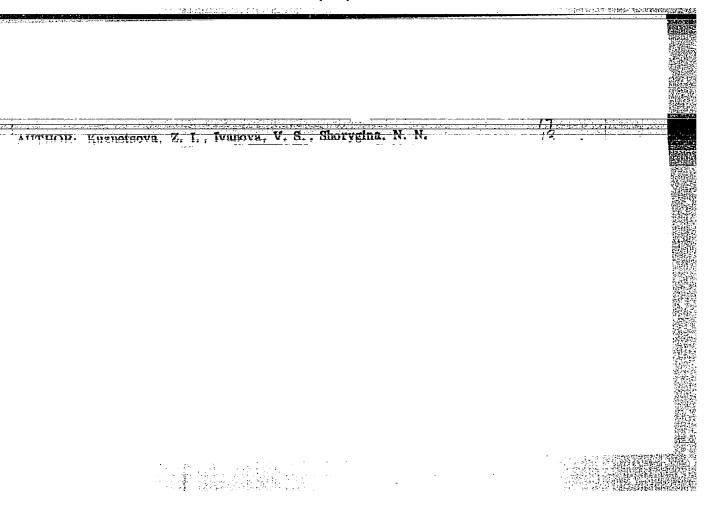
of adding the water vapor and p the pressure of the vapor entering the discharge tube. The isotope content of exygen in the starter water and the peroxide was determined by mass spectrometry. Both the water remaining in the yaporizer and that formed upon decomposition of the synthesized $H_2O_2^{\circ \circ}$ were found to differ little from the starter water. The gases collected during the process were found to consist of hydrogen, thus confirming the reaction $2H_2O \rightarrow 2H + 2OH$; $2H \rightarrow H_2O$.

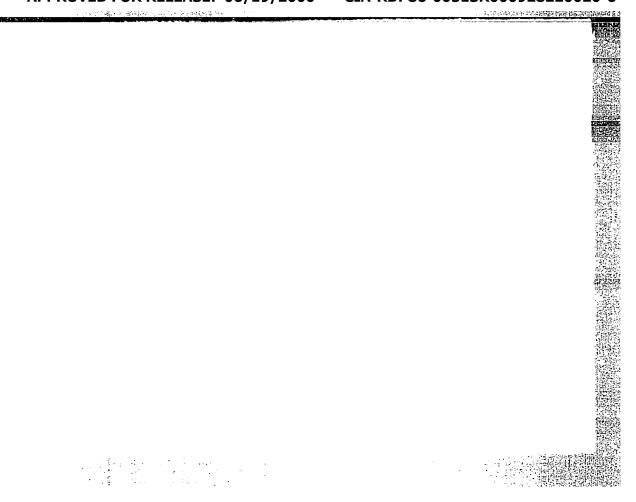
The authors also synthesized D₂O₂8 by subjecting a mixture of D₂O₃ and H₂O₂8 to the discharge. The so obtained peroxide container 26% active oxygen, somewhat enriched from the starter material. The advantages of this method are a high degree of purity of the peroxide; the entire heavy oxygen contained in the initial water passes into the peroxide; the latter is somewhat enriched in O¹8; solutions of the oxygen labeled peroxide ranging from 1-50% may be obtained, supply of the water vapor. Yields for 5-7% solutions were 1 g/hour on a 100% H₂O₂¹⁸ basis. Using the same equipment, the peroxide may be concentrated to 90% weight. Orig. art. has: 2 figures and 1 table.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6

No. 20 a				
ACCESSION NR. AP4039	620		Tamara a tamara a a a a a a a a a a a a a a a a a	-
ASSOCIATION: Akademiy obshchey i neorganichesk Inorganic Chemistry).	ya nauk SSSR (Acade oy khimii im. N. S.	my of Sciences Kurnakova(Inst	, SSSR); Instit Litute of Genera	ut il and
SUBMITTED: 30May63		And the	ENCL: 00	
SUB CODE: 10	NO REF SOV: 000	3	OTHER; 001	
		•		
3/3		•		
			- In the second	

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6





L 16985-66 EWT(m)/T WW/JW/WE/RM

ACC NR: AP6002107

SOURCE CODE: UR/0062/65/000/011/2083/2085

AUTHORS: Tsentsiper, A. B.; Kuznetsova, Z. I.

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

TITLE: Reaction of lithium peroxide with ethane

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 11, 1965, 2083-2085

TOPIC TAGS: lithium compound, peroxide, ethane, oxidation kinetics, activation energy

ABSTRACT: Oxidation of ethane (I) with lithium peroxide (II) was studied as a representative reaction of exidation of hydrocarbons with peroxides containing O2-ion directly in their crystal lattice. This reaction is of interest in the studies of phenomena occurring during catalytic exidation of hydrocarbons. Experiments were performed according to the method described by A. B. Tsentsiper and S. A. Tokareva (Zh. neorg. khimii, 6, 2474, 1961) at 250--300C. Reaction was followed by measuring pressure changes, and the products were analyzed chromato-

Card 1/2

UDC: 531.1+541.124+661.49

L 16985-66

ACC NR: AP6002107

graphically and by titration. It was established that they consisted of Li₂CO₃ and LiOH according to the equation

 $Li_{3}O_{3}+C_{6}H_{6}-\begin{bmatrix} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ &$

where k₁ and k₂ are reaction rates. Simultaneously with the total oxidation of I (activation energy 27 kcal/mole) there occurs the decomposition of II (activation energy 50 kcal/mole), the former reaction being considerably more intensive than the latter. Orig. art. has: 3 tables and 3 equations.

SUB CODE: 07/ SUBM DATE: llMar65/ ORIG REF: 007/ OTH REF: 001

Card 2/2 71/9/5

TSENTSIPER, A.B.; KUZNETSOVA, Z.I.

Thermal decomposition of lithium peroxide. Izv. AN SSSR.Ser.khim. (MIRA 18:10) no.10:1902-1904 165.

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova AN SSSR.

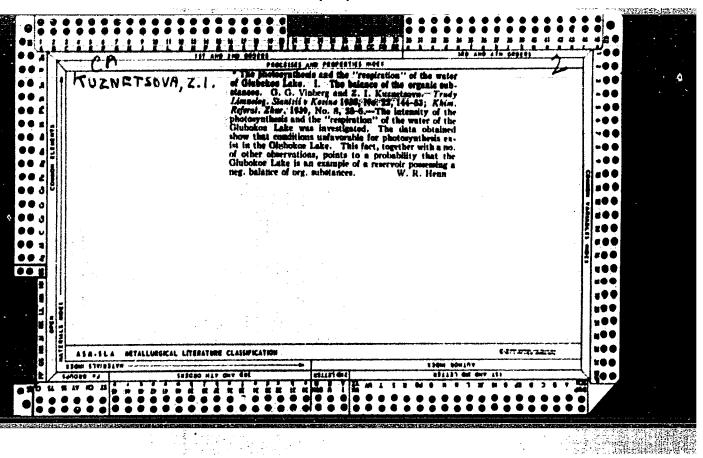
COMPANY ASSESSED

ARBUZOV, G.A., doktor tekhn. nauk, prof.; KUZNITUOVA, M.J., kand. 19 45. nauk, dottont

Interaction of bearing calts with gelatin. Pepert No.8: Formation of polymerbase mixed chromium-aluminum conslexes in solutions. Nauch. brudy MTILP no.27:35-39 163. (MTIA 17:11)

1. Kafedra neorganishoskoy i menlitishoskoz khimii Hoskovskozo tekhnologishoskogo instituta legacy promysklu nosti.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220020-6



SOKOLOV, I.Yu; KUZNETSOVA, Z.I.

Method of determining unstable component directly at the water source in the case of regional hydrogeological research. Gidre-khim.mat.24:15-18 155. (MLRA 9:4)

1.Vseseyusnyy nauchne-issledevateliskiy institut gidregeelegii i inzhenerney geelegii, Heskva. (Water, Underground) (Water--Analysis)

KUZNETSOVA, Z.I.

Quantitative analysis of bacteria in underground waters of oil fields [with summary in English]. Mikrobiologiia 26 no.2:189-193 Mr-Ap 157. (MIRA 10:10)

l. Vsesoyusnyy nauchno-issledovatel'skiy institut gidrogeologii i inshenernoy geologii, Moskva.

(WATER SUPPLY, microbiol.

quantitative counts of bact. in underground waters of oil layers (Rus))

AL'TOVSKIY, Mikhail Yegen yevich; KUZNETSOVA, Zinoveya Ivanovna; SHVETS,
Vladimir Mikhaylovich; DOBRYNINA, N.P., vedushchiy red.; FEDOTOVA,
I.G., tekhn.red.

[Formation of petroleum and its pools] Corazovanie nefti i formirovanie neftianykh zalezhei. Moskva, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 167 p. (MIRA 11:5) (Petroleum)

KUZNETSOVA, Z.I.

Distribution of desulfurizing bacteria along the gradient of the aquiferous layer in the Terek Valley portion of Daghestan. Vop. gidrogeol. i inzh. geol. ho. 18:51-58 159. (MIRA 14:5) (Daghestan—Oil field brines—Bacteriology)