s/0000/63/000/000/0260/0264

AUTHOR: Chalty*kyan, O. A.; Beyleryan, N. M.

TITLE: Kinetics of potassium persulphate reactions with amines

SOURCE: Soveshchaniye po khimii perekisny*kh soyedineniy. Second, Moscow, 1961. Khimiya perekisny*kh soyedineniy (chemistry of peroxide compounds); Doklady* soveshchaniy. Moscow, Izd-vo AN SSSR, 1963, 260-264

TOPIC TAGS: potassium persulphate, amine, peroxide, organic peroxide, aliphatic amine, aromatic amine, heterocyclic amine, amino alcohol, benzoil peroxide, potassium hydroxide, polymerization

ABSTRACT: Unique oxidation reduction systems occur in the reaction of peroxides, particularly with amines. Some of these systems can be successfully applied for initiating polymerization. A systematic investigation of the kinetics of the reactions of various aliphatic, aromatic, and heterocyclic amines, as well as amino alcohols with benzoil peroxide in organic media and with potassium persulphate in aqueous solutions were undertaken by the authors in order to explain the differences in the reaction mechanism of amines with peroxides. In studying the kinetics of these reactions, a number of general regularities were found including the fact that

Card 1/2

amines which enter easily into a reaction with benzoil peroxide in organic media and with potassium persulphate in aqueous solutions can be divided into two groups, the first containing primary and secondary aliphatic amines and piperidine, the second containing tertiary amines and amino alcohols. This separation is derived from graphs. Peroxide-amine systems of the second group initiate polymerization of vinyl acetate with more or less efficiency in solution as well as in an emulsion at a temperature below the thermal decay temperature of the peroxides. A diagram is presented to explain the effect of the alkali, the formation of diethylvinylamine and subsequent oxidation of the latter by the persulphate in the presence of potassium hydroxide or by a temperature increase (self-acceleration). Orig. art. has: 6 figures and 2 formulas.

ASSOCIATION: Yerevanskiy gosudarstvenny*y universitet (Yerevan State University)

SUBMITTED: 13Dec63

DATE ACQ: 06Apr64

ENCL: 00

SUB CODE: CH

NO REF SOV: 010

OTHER: 007

Card 2/2

\$/0000/63/000/000/0265/0269

AUTHOR: Beyleryan, N. H.; Chalty Myan, C. A.

TITLE: Kinetics of potassium persulphate reactions with amines. The effect of cations on variable valence

SOURCE: Soveshchaniye po khimii perekisny*kh sopedinenty. Second, Mescow, 1961. Khimiya perekisny*kh soyedinenty (chemistry of perekide compounds); Beklady* soveshchaniy. Moscow, Izde-vo AN SSSR, 1963, 265-269

TOPIC TAGS: potassium persulphate, amine, variable valence, aliphatic amine, cation, silver (I), copper (II), cobalt (II)

ABSTRACT: the authors tested the catalytic activity of two groups of cations: cations, the valence state of which is difficult to measure and cations of variable valency (cobalt (II), copper (II), and silver (I)). The authors selected a persulphate reaction with diethylamine in the presence of the above mentioned cations as a standard reaction. In a previous experiment, the authors measured the speed of catalytic oxidation of a number of amines and established that under the same conditions, the persulphate reaction with aminol alcohols occurs with self-acceleration and for the majority of aliphatic amines the following equation is valid

Cord 1/3

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205130002-8"

and the second s

$$1gW_4^0 = b - a \cdot 1g K_4 \tag{2}$$

where W_i^0 is the initial velocity of the catalyzed reaction; K_1^- is the dissociation constant of the chosen amines; a and b are constants. In conclusion, the authors claim that in persulphate-amine reactions, only cations of variable valence have a catalytic activity. The amino alcohols-persulphate-Ag reactions when $(Ag^+) \ge 1 \times 10^{-4} \text{ g-ion/ltr}$ are of a self-accelerating character. A probable explanation is given to this phenomenon. The following correlation occurs in the case of persulphate-aliphatic amines-Ag reactions:

 $lg W_{cat}^{0} = b - a lg k_{i}$

Two reactions occur in parallel: one is the persulphate reaction with a free amine module and the other reactions is with aminate of silver or copper. Experimentally established kinetic regularities lead to the assumption that a complex containing in addition to one cation (Ag or Cu²⁺) one amine molecule is kinetically active, i.e., the monoamine complex of copper or silver is kinetically active. Orig. art. have 5 figures and 3 formulas

Card 2/3

ACCESSION NR: AT4028343

ASSOCIATION: Yerevanskiy gosudarstvenny*y universitet (Yerevan State University)

SUBMITTED: 13Dec63

DATE ACQ: 06Apr64

ENCL: 00

SUB CODE: CH

NO REF SOV: 004

OTHER: 000

Card 3/3

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205130002-8"

a a

BEYLERYAN, N.M.; KARAPETYAN, F.A.; GUKASYAN, T.T.

Possibility of oxidation of formic acid and formate ion by peroxides. Izv.AN Arm.SSR.Khim.nauki 17 no.1:7-13 '64. (MIRA 17:4)

1. Yerevanskiy gosudarstvennyy universitet, problemnaya laboratoriya kinetiki polimerizatsionnykh protsessov.

CHALTYKYAN, O.A.; BEYLERYAN, N.M.; GUKASYAN, T.T.

Mechanism of oxidation of formate ion by persulfate in aqueous solutions in the presence of Cu²⁺. Izv.AN Arm.SSR.Khim.nauki 17 no.1:14-20 '64. (MIRA 17:4)

1. Yerevanskiy gosudarstvennyy universitet, problemnaya laboratoriya kinetiki polimerizatsionnykh protsessov.

CHALTYKYAN, O.A.; BEYLERYAN, N.M.; SARUKHANYAN, E.R.

Effect of the solvent on the reaction rate of benzoyl peroxide with diethylamine. Izv.AN Arm.SSR.Khim.nauki 17 no.1:21-28 '64. (MIRA 17:4)

1. Yerevanskiy gosudarstvennyy universitet, problemnaya laboratoriya kinetiki polimerizatsionnykh protsessov.

SARUKHANYAN, E.R.; BEYLERYAN, N.M.; CHALTYKYAN, O.A.

Effect of the structure of amines on the kinetics of reactions of benzoyl peroxide with amino alcohols. Dokl. AN Arm. SSR 38 no.5: 285-288 :64. (MIRA 17:6)

1. Yerevanskiy gosudarstvennyy universitet. Predstavleno akademikom AN Armyanskoy SSR M.A.Ter-Karapetyanom.

CHALTYKYAN, O.A.; BEYLERYAN, N.M.; SAMVELYAN, A.L.

Temperature dependence of the rate of peroxysulfate - triethanolamine reaction. Dokl. AN Arm. SSR 39 no.1:35-49 '64. (MIRA 17:8)

1. Yerevanskiy gosudarstvennyy universitet. Predstavleno akademikom AN Armyanskoy SSR M.A.Ter-Karapetynom.

MKHITARYAN, S.L.; BEYLERYAN, N.M.; CHALTYKYAN, O.A.

Study of peroxide-amine systems as polymerization initiators. Izv. AN Arm. CSR. Khim. nauki 16 no.6:527-534 163 (MIRA 17:8)

1. Yerevanskiy gosudarstvennyy universitet, problemnaya labora-toriya kinetiki polimerizateil.

BEYLERYAN, N.M.; GRIGORYAN, S.K.; CHALTYKYAN, O.A.

Kinetics of the reactions of amines with hydroperoxides. Part 1: Reaction of cumene hydroperoxide with triethanolamine. Izv.AN Arm.SSR.Khim.nauki 17 no. 3:245-254 164.

Kinetics of the reactions of amines with hydroperoxides.

Part 2: Effect of potassium hydroxide on the rate of the reaction cumene hydroperoxide - triethanolamine. Ibid.:255-261

(MIRA 17:7)

l. Yerevanskiy gosudarstvennyy universitet, kafedra fizicheskoy i kolloidnoy khimii.

BEYLERYAN, N.M.; GRIGORYAN, S.K.; CHALTYKYAN, O.A.

Kinetics of the reactions of amines with hydroperoxides. Part 3: Mechanism of the reaction of cumene hydroperoxide with triethanolamine. Izv. AN Arm. SSR.Khim.nauki 17 no.6:604-612 164.

1. Yerevanskiy gosudaratvennyy universites, kafedra fizicheskoy i kolloidnoy khimii.

CHALTYKYAN, O.A.; GRIGORYAN, S.K.; BEYLERYAN, N.M.

Finetics of reactions of hydrogen peroxide with amines.
Part 4s Reaction kinetics of cumena hydroperoxide with
triethylemine and diethyleminoethanol. Iza. AN Arm. SSE.
Khim. nauki 18 no.2:133-138 '65. (MIRA 18:11)

1. Yerevanskiy gosudarstvennyy universitet, kafedra fizicheskoy khimii. Submitted July 16, 1964.

GRIGORYAN, S.K.; CHALTYKYAN, O.A.; BEYLERYAN, N.M.

Effect of the structure of amines on the decomposition rate of cumene hydroperoxide. Dokl. AN Arm. SSR 40 no.3:165-167 (MIRA 18:12)

1. Yerevanskiy gosudarstvennyy universitet. Submitted July 21, 1964.

BEYLES, R.G.; SAFINA, R.A.; BEYLES, E.M.

Pyridine derivatives of peroxymolydic and peroxytungstic acids. Zhur. neorg. khim. 6 no.7:1612-1615 Jl 161.

1. Kemerovskiy gornyy institut i Kemerovskiy meditsinskiy institut.

(Peroxymolybdic acid) (Peroxytungstic acid) (Pyridine)

Ð

BEYLES, R. G.; BEYLES, E. M.

Reaction of aromatic aldehydes with derivatives of pyrazolone. Synthesis of 4-salicylidene-1-phenyl-3-methyl-5-pyrazolone and its reaction with titanium salt solutions. Zhur. ob. khim. 33 no.1:190-192 '63. (MIRA 16:1)

1. Kemerovskiy gornyy institut.

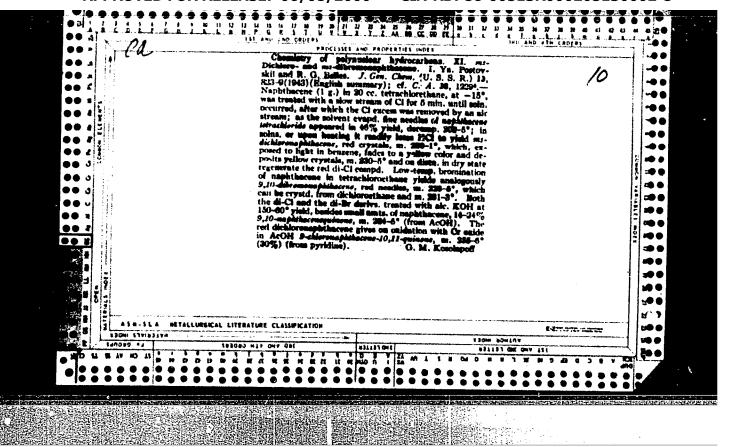
(Aldehydes) (Pyrazolinone) (Titanium salts)

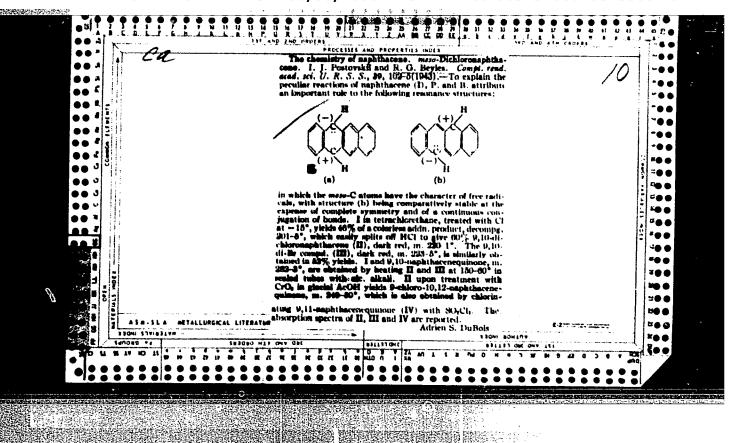
BEYLFS, R.G., BEYLFS, E.M.

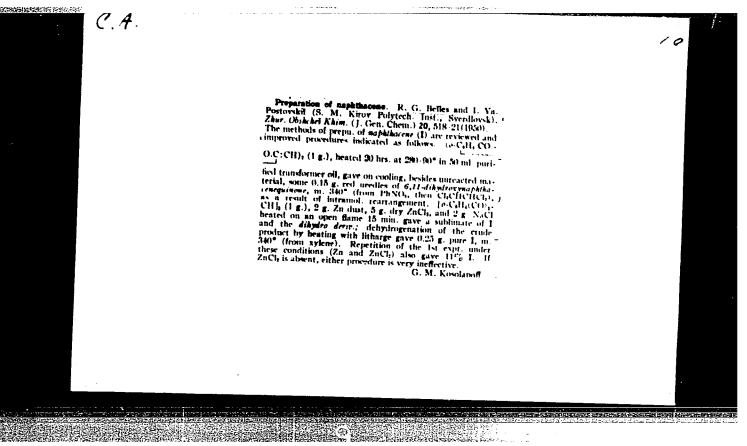
Peroxomolybdenic derivatives of organic bases. Zhur, neorg, khim, 10 no.7:1618-1623 31 165. (MIRA 1896)

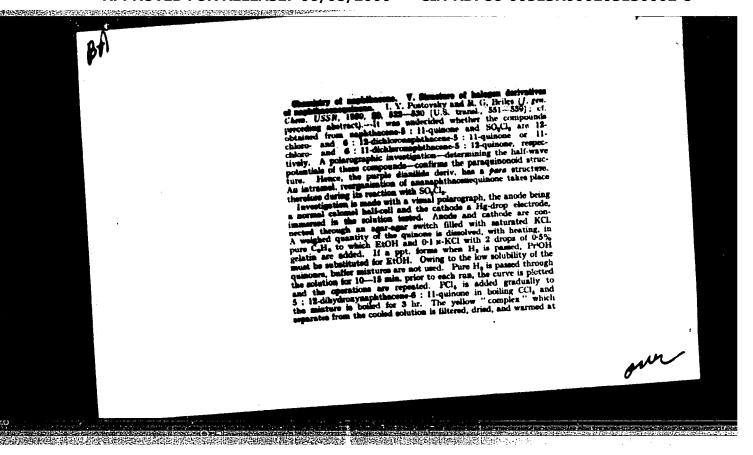
1. Kemerovskiy gornyy institut.

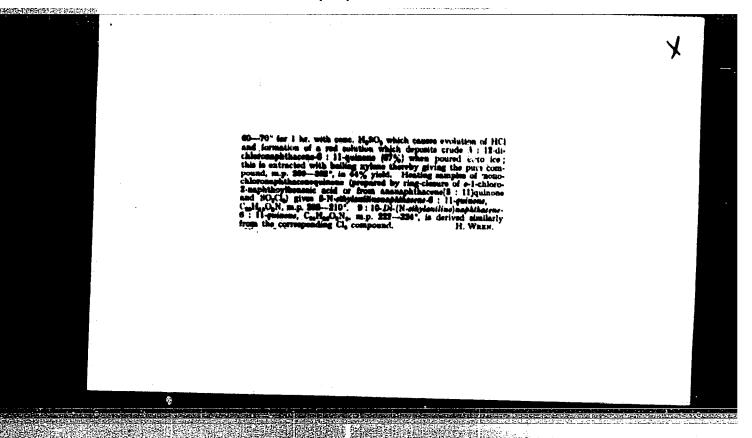
"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205130002-8

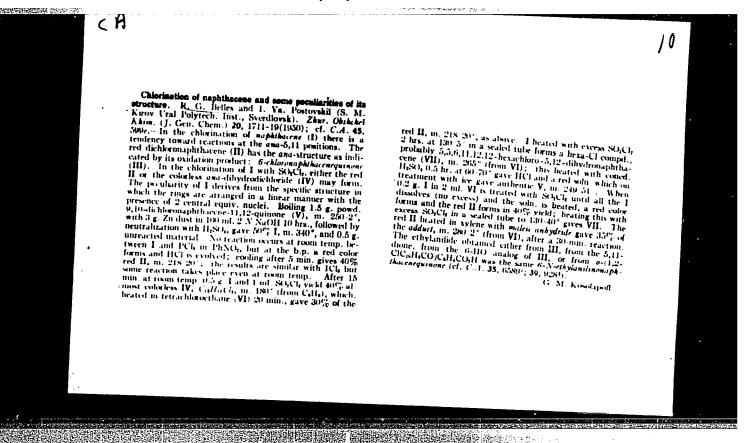




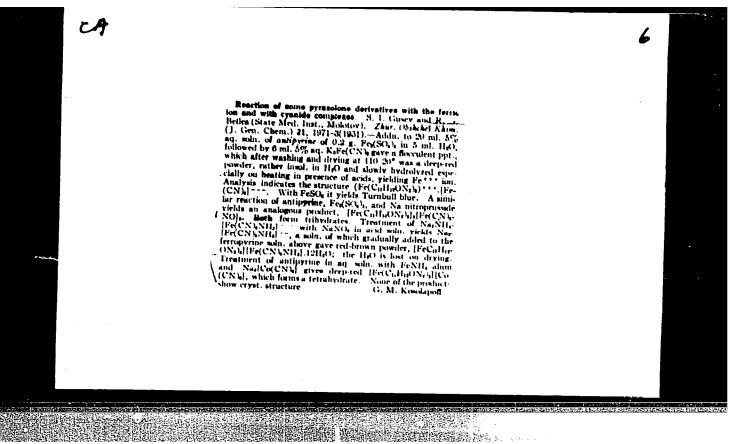








OTTUT	USSR/Chemistry - Vanadium Compounds Jan/Feb 51 "Quantitative Determination of Vanadium With
	Distribution of the country of the c
	Diantipyrylphenylmethane (I) in acid will ppt V5*as difficultly sol compd ((C ₁₁ H ₁₁ OM ₂) ₂ CHC6H5) ₂ H _b V6O ₁₇ (II). Developed new method for gravimetric detn of V (as V ₂ O or II) in presence of
	17710
	USSR/Chemistry - Vanadium Compounds Jan/Feb 51 (Contd)
	MeCl, Na ₂ SO ₄ , NaNO ₃ . Showed possibility of volumetric detn of V by dissolving II in alkali and titrating excess of alkali. Showed possibility of volu- and gravimetric detn of V in ferrovanadium with I.
	1777IO
*n *x	
'९७ग इसम	-

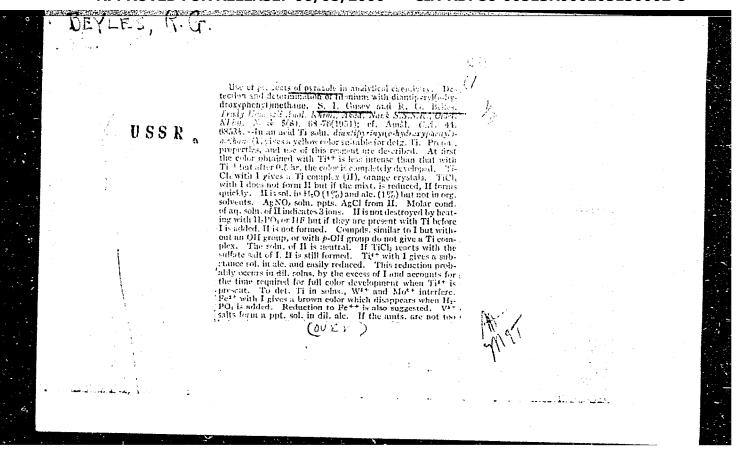


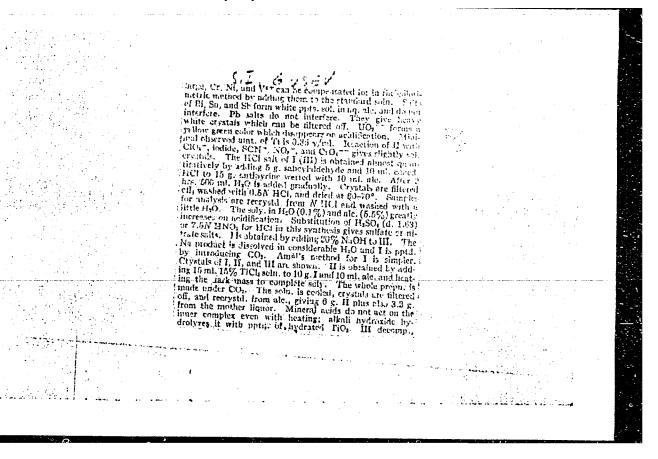
GUSEV, S.I.; BETLES, R.G.

Use of diantipyryl-phenylmethane in analytical chemistry. II. J. anal. Chem. USSR, *52, 7, 219-225.

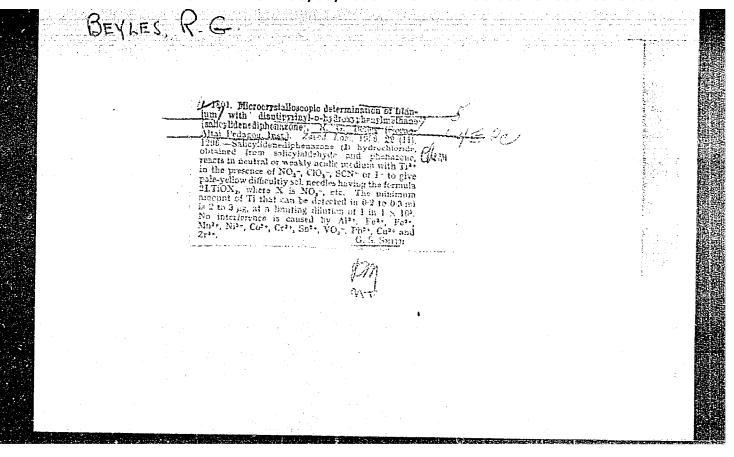
(BA - A I Mr *53*287)

(MLRA 5:7)





without melting, above 250°. The reagent for tests is a 20° soln, of III in 90% ale, with 10 drops coned, HCl and 0.1° 0.2 g, hydroquinone in 100 ml, of soln. To detect Ti in the presence of Fe, add the reagent to the test soln. After 0.5 hr, add several drops of cened, HpO. In the presence of Ti the brown coler becomes yellow; in absence of Ti the soln, is colorless. In the presence of Fe¹*, V¹*, and Cr¹* the test soln, is acidified with HCl and reduced by Zn strips until no reaction of Fe¹* with SCN* is obtained. Reagent is added and a yellow color indicates Ti. Mo¹* and W¹* interfere. Known colorimetric mixts, were prepd, by mixing 0 ml, Ti soln. (Standard TiCh solns, cong. 5-20 y Ti/ml.), 3 ml, ale, and 1 ml, reagent. The color intensity can be measured visually after 0.5 hr, and does not decrease with time. High HCl conen. (10%) delays the color development; HNO₁ has no effect. Sulfates delay color development; synthetic mixts, contg. I ml. of known Ti soln., 2 ml. N FeCl₁, and 1 ml. of V¹* salt (contg. 0.5 mg. V) were treated with 5 ml, ale, and 1 ml. reagent. After 0.5 hr, 5 drops H₁PO₂ was added and the intensity was measured. Relative error was 0-8% for 7 mixts, contg. 5-30 y Ti. Analogous results were obtained if the mixts, were reduced with 7n before tragent was added (H₁PO₄ was then omitted.) Directions are given in detail for the malysis of steel.



BEXIS, R.G.

137-58-1-2147

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr.1, p 292 (USSR)

AUTHOR: Beyles, R.G.

TITLE: New Qualitative Titanium Reactions (Novyye kachestvennyye

reaktsii titana)

PERIODICAL: Uch. zap. Gorno-Altayskiy gos. ped. in-t, 1956, Nr i, pp 137-140

ABSTRACT: A qualitative reaction for Ti 4+ with diantipyrilorthooxyphenyl-methane (I) is suggested:

$$H_3C - C = C - CH - C = C - CH_3$$
 $H_3C - N C = O - CH_3$
 $OH C N - CH_3$

Card 1/2

137-58-1-2147

New Qualitative Titanium Reactions

with which Ti forms a crystalline compound. Not inhibited by caustics, the alkaline earth metals, Pb, Al, Fe^{2+} , Fe^{3+} , Mn^{2+} , Ni, Co, Cr^{3+} , Sn^{2+} , VO_3 , and Zr when present in quantities of $\frac{1}{100}$ to $\frac{1}{200}$ of the Ti content. To free the Ti to $\frac{1}{200}$

the Ti, to 1 cc of solution there is added dry I and one or two crystals of hydroquinone, the solution being heated 5-10 min at 60°, the I being stirred with a stirrer until the solution takes on a red-brown coloration. Then saturated KClO₃ or KNO₃ solution is added, and a crystalline precipitate of Ti with I comes down after a brief heating.

1. Titanium—Chemical reactions 2. Diantipyrilortheoxyphenylmethane
--Chemical reactions 3. Alkaline earth elements—Chemical reactions

Card 2/2

AUTHOR:

Beyles, R. G.

JOV / 79-28-6-33/63

TITLE:

of the Salts of Tetravalent Titanium Dissolved in Water With Pyrazolone Derivatives (Vzaimodeystviye vodnykh rastvorov soley chetyrekhvalentnogo titana s proizvodnymi pirazolona)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6, pp. 1581-1586

(USSR)

ABSTRACT:

The author and his collaborator found earlier that in the reaction of titanium salts (Ti4+) in water with diantipyryl-o-oxyphenylmethane (formula I) an orange color develops under the formation of a precipitation of unknown composition (Ref 1). It was found that not only compound (I) but also some other products of the conversion of the salicylic aldehyde with pyrazolone derivatives react easily with titanium ions and that on these occasions well crystallized compounds are obtained. Below results of the conversion of the titanium ions with bis-pyrazolone derivatives of salicylic aldehyde are given: 1) Reaction of the ions Ti4+ with dipyrazolonyl-o-oxyphenylmethane and its derivatives, viz. on the other hand the reaction in the presence of com-

Card 1/3

The Reaction of the Salts of Tetravalent Titanium Dissolved in Water With Pyrazolone Derivatives

pounds of weakly basic character, and on the other hand the reaction in the presence of salts. 2) The reaction of the ions T4+ with diantipyryl-o-oxyphenylmethane and its derivatives. The experiments showed that the dipyrazolonyl-o-oxyphenylmethane and its derivatives yield two series of compounds with titanium: 2 Dip Ti=O and 2 D Ti X2, where X=Cl, J, NO2, other radicals, and D=aldehyde. 40 compounds of this type were synthesized and some bis-pyrazolone derivatives were described which hitherto had been unknown. The properties of these compounds, and especially the resistance to alkali liquors prove the intracomplex binding of the titanium atoms with the molecules of the bis-pyrazolone compounds. The table shows the results of the reaction of the bis-pyrazolone derivatives with Ti4+ (color, crystal structure in the microscope, thermal composition) (see also the two figures). There are 2 figures, 1 table, and 4 references, 3 of which are Soviet.

Card 2/3

CIA-RDP86-00513R000205130002-8 "APPROVED FOR RELEASE: 06/08/2000

SOV/79-28-6-33/63 of the Salts of Tetravalent Titanium Dissolved in Water With Pyrazolone Derivatives

ASSOCIATION: Gorno-Altayskiy pedagogicheskiy institut

(Gorno-Altaysk Pedagogical Institute)

April 30, 1957 SUBMITTED:

1. Titanium compounds -- Chemical reactions

Card 3/3

BEYLES, R.G.; SAFINA, R.A.; BEYLES, E.M.

Pyridine derivatives of peroxymolydic and peroxytungstic acids. Zhur. neorg. khim. 6 no.7:1612-1615 Jl '61.

1. Kemerovskiy gornyy institut i Kemerovskiy meditsinskiy institut.

(Peroxymolybdic acid) (Peroxytungstic acid) (Pyridine)

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BEYLES, R. G.; BEYLES, E. M.

Reaction of aromatic aldehydes with derivatives of pyrazolone. Synthesis of 4-salicylidene-1-phenyl-3-methyl-5-pyrazolone and its reaction with titanium salt solutions. Zhur. ob. khim. 33 no.1:190-192 63. (MIRA 16:1)

1. Kemerovskiy gornyy institut.

(Aldehydes) (Pyrazolinone) (Titanium salts)

BEYLES, R.G., BEYLES, E.M.

Peroxomolybdenic derivatives of organic bases. Zhur, neorg.

khim. 10 no.7:1618-1623 Ji '65. (MiRA 18.6)

1. Kemerovskiy gornyy institut.

BEYLIKHES, YA.M.

INtroduction of engineer Kovalev's kethod in a boiler room Elek. sta. 23, no. 4, (1952). Inzh.

- 1. BARDIK, G. F.; BENIKHES, Ya. M., Eng.
- 2. USSR (600)
- 4. Water-Supply Engineering
- 7. Socialist competition of workers of chemical water purification installations. Rab. energ. 3, No. 4, 1953.

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

BEYLIKIES, Ya. H.

USSR/Chemistry - Synthetic ammonia

FD-518

Card 1/1

: Pub. 50-17/23

Authors

: Beylikhes, Ya. M., Chief of Labor Standards Investigation Group, and Boguslavskiy, V. N., Shop Foreman

Title

: Those who follow A. I. Maslova's example

Periodical

: Khim. prom., 304-305 (48-49), Jul/Aug 1954

Abstract

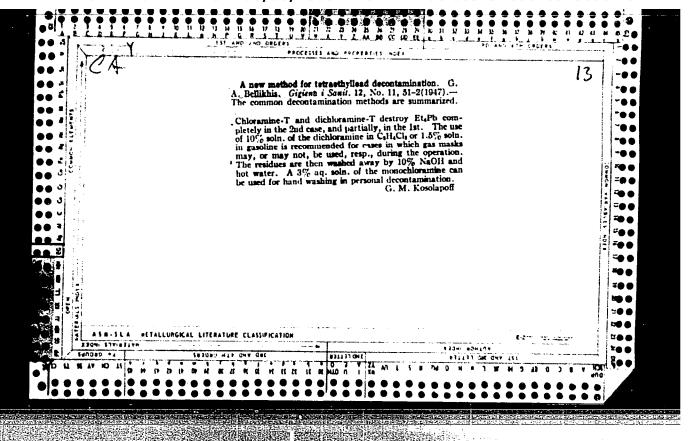
: Discuss improvements achieved by individuals who are active in the synthetic ammonia industry and are concerned with the production of

ammonium nitrate.

Institution:

Submitted

CIA-RDP86-00513R000205130002-8" APPROVED FOR RELEASE: 06/08/2000



"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205130002-8

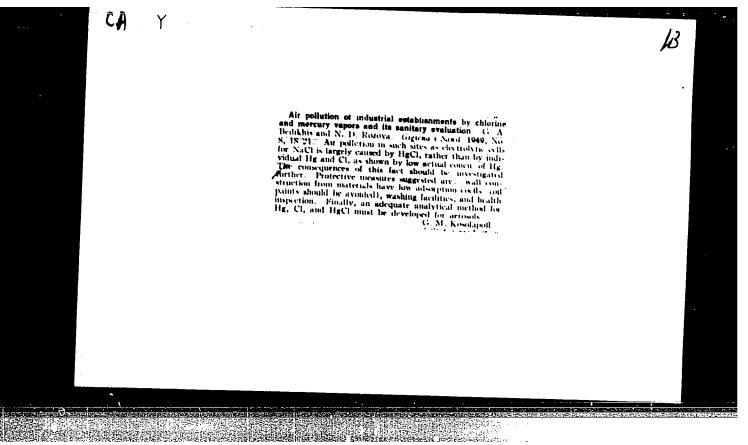
Provider of R. N. Vol'forskaya's 'Prophylaxis and Therepy for Polsoning by Tetraethyl Lead and Its From Tetraethyl Load and Its Compounds - Ligaria Ethyl and Ethylated (Lead) Gasolines and Kero-ene, " G. A. Beylikhis, 14 pp The list of supply bases is not accurate and Author of two works reviewed is guilty of many Compounds, and 'Mossures for Combating Danger inscentracios, such as the statement, "In an organism tetracing" less is bydrolysed." In line could be treated in the same manner. may give rise to misunderstandings as to speats as if light othyl and othylates. second article for the use of chaufferford engineers, smong other insecuracies, she USSE/Medicine - Lead Poleoning Medicine - Industry and Occupations proper places to acquire gasoline. "Gig 1 Sen" No 7 • Đ BEKLIKHIS, \$3764\sa

BEYLKHIS, G. A. and ROZOVA, N. D. Atmospheric pollution in works with chlorine and mercury vapour, and its hygiene assessment Gigiena, Moscow 1949, 8 (18-21) The authors investigated the atmosphere in a works in which alkali was made electrolytically from sodium and potassium chloride. A cathode of metallic mercury was used and both mercury and chlorine escaped in vapour form. The concentration of these was found to be higher in the offices, canteens and adjacent rooms than in the working places. It was concluded that this higher concentration derived from contaminated clothing and footwear brought in

In an experiment metallic mercury was heated in a flask to 100° C. and a by the operatives. current of cold air was passed over it. This air took up a quantity of mercury vapour which could be partly absorbed by glycerine but much more effectively though not completely, by Polojaeff's reagent. Though many of the employees had worked in this plant for years none showed any sign of roisoning. When air from the workrooms was passed through filters and these were extracted both mercuric and mercurous chloride were identified, but neither had apparently caused poisoning. It was concluded that a variety of chemical substances was formed. Improved conditions were possible if the factory walls could be covered with material which would absorb none of the particulate or gaseous bodies arising in the course of manufacture. Improved methods of washing the workers' clothes were also advised together with regular medical examination to detect any early signs of disease.

Pether - (Word Medical Abstracts)

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6



- 1. BEYLIKHIS, G. A.
- 2, USSR (600)
- 4. Industrial Hygiene
- 7. Problems of hygiene and protection of labor in Russian Marxist literature. 1895-1911. Gig. i san. 17 no. 9, 1952.

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

BEYLIKHIS, G.A.

Mass occupational poisonings in 1914 and the struggle of Russian workers for sanitary laws. Gig.i san.no.4:36-40 Ap '54. (MLRA 7:4)

1. Iz Kirovskoy rayonnoy sanitarno-epidemiologicheskoy stantsii Moskvy.
(Industrial hygiene)

BETLINHIS, G.A.

Possibility of mercury contamination in printing plants, Gig. 1 san. no.6:48 Je '54. (MIRA 7:6)

1. Is sanitarno-spidemiologicheskoy stantsii Kirovskogo rayona Moskvy.

(MERCURY,

*contamination of quarters from polygraphs)

BEYLIKHIS, G.A., kandidat meditsinskikh nauk

Hygiene and protection of labor in Bolshevik literature, 1912-17.

Sov. zdrav. 13 no.5:45-50 S-0 154.

(INDUSTRIAL HYGIENE, history,
in Russia)

Subject : USSR/Medicine AID P - 2173

Card 1/1

Pub. 37 - 15/22

Author

: Beylikhis, G. A., Kand. of Med. Sci.

Title

Introducing the teaching of the fundamentals of industrial hygiene in the curriculum of high schools and of specialized educational institutions of advanced studies

Periodical

: Gig. i san., 4, 52, Ap 1955

Abstract

: Discusses the necessity of the popularization of sanitary and hygienic knowledge and suggests that the All-Union Hygienic Society should have the leading role in this undertaking.

Institution: Medical and Epidemiclogical Station, Kirov District,

Moscow

Submitted

: D 10, 1954

A. S. C. PAILLY 3 &.

AID P - 3903

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 7/21

Author : Beylikhis, G. A., Kand. Med. Sci.

Title : Struggle for workers' health protection in 1905

Periodical: Gig. 1. san., 12, 27-32, D 1955

Abstract : Historical sketch based on the Bolshevik press

around 1905 and on later Soviet publications.

Refs. in footnotes.

Institution: Medical and Epidemiological Station, Kirov District,

Moscow.

Submitted: Ag 24, 1955

BEYLIKHIS, G.A., kandidat meditsinskikh nauk; ROZOVA, N.D., khimik

Some questions from the work practice of industrial sanitary laboratories in sanitary and epidemiologic stations. Gig. i san., 21 no.7:38-41 J1 *56. (MIRA 9:9)

1. Iz sanitarno-epidemiologicheskoy stantsii Kirovskogo rayona Moskvy.

(AIR POLLUTION in indust., laboratory control)

Problems of health protection in the revolutionary struggle of the Russian proletariat in 1917. Zdrav.Ros.Feder. 1 no.9:28-32 S '57.		
	(INDUSTRIAL HYGIENEHIST	CORY)
•		

BEYLIKHIS G.A. kendidat meditsinskikh nauk

Participation of leading Russian physicians in the protection of workers' health in 1917 (Noscow). Sov.sdrav. 16 no.3:49-53 Mr '57.

(INDUSTRIAL HYGIENE, hist. (MLRA 10:6) med. care of workers in 1917 in Russia)

BEYLIKHIS, G.A.

"Brief outline history of sefety engineering in Russia" by
F.N.Zagorskii. Reviewed by G.A.Beilikhis. Gig.truda i prof.zab.
1 no.1:60 Ja-F '57. (MIRA 10:6)
(SAFETY ENGINEERING-HISTORY)
(ZAGORSKII, F.N.)

BEYLIKHIS, G.A., kand.med.nauk (Moskva)

From the history of the struggle for the protection of the health of workers in 1917. Gig. i san. 22 no.11:43-48 N '57. (MIRA 11:1) (INDUSTRIAL HYGIENE, hist.

in Russia (Rus))

Problems in health protection of workers during the first years of Soviet regime. Gig.truda i prof.zab. 1 no.5:15-20 S-0 '57.

(INMUSTRIAL HYGIENE)

(MIRA 10:11)

BEYLIKHIS. G.A.

[History of the struggle for labor hygiene in Czarist Russia; problems of hygiene and labor safety in the pre-Revolutionary Bolshevik press] Iz istorii bor'by za sanitarnuiu okhranu truda v tsarakoi Rossii; boprosy gigieny i okhrany truda v dorevoliutsionnoi bol'shevistakoi pechati. Moskva, Medgiz, 1957. 192 p.

(INDUSTRIAL HYGIENE) (MIRA 11:4)

MYLIKHIS, G.A. (Moskva)

Dissertations on the industrial hygiene by physicians in prerevolutionary Russia. Gig. truda i prof. zab. 2 no.6:48-51 N-D *58 (MIRA 11:12)

Moscow Society of Factory Physicians; 1903-1913. Sov.zdrav. 17 no.9 57-61 8'58

(INDUSTRIAL MEDICINE, hist. in Russia (Mis))

HEYLIKHIS, G.A., kand.med.nauk (Moskva)

Reply to comments on the article "Unsolved questions in the work practice of industrial sanitary laboratories in sanitary and epidemiological stations." Giv. i san 23 no.8:49-50 Ag '58 (AIR-ANALYSIS) (MIRA 11:9)

Causes of agricultural accidents in tsarist Russia. Gig. i san.
23 no.9:63 S'58 (MIRA 11:11)

(AGRICULTURE--ACCIDENTS)

BEYLIEHIS, G.A., kand.med.nauk; LAPISOVA, N.P., kand.khim.nauk; PARSHINA, A.M., inzh.-khimik (Moskva)

Sewage contaminated by tetraethyl lead [with summary in English].
Gig. i san. 24 no.2:27-31 F '59. (MIRA 12:3)

(WATER POLINTION

indust. waste water contamination by tetraethyl lead, removal method (Rus))

(IRAD

tetraethyl lead contamination of indust. waste water, removal method (Rus))

BRYLIKHIS, G.A., kand.med.nauk (Moskva)

History of the prevention of occupationa diseases and trauma of the eyes in prerevolutionary Russia. Vest. 72 no.5:57-58 S-0 159.

(MIRA 13:3)

(OCCUPATIONAL DISEASES, prev. & control) (EYE, wds. & inj.)

Piftieth anniversary of the First All-Russian Congress of Industrial Physicians. Sov. zdrav. 19 no.9:70-75 '60. (MIRA 13:11)

(MEDICINE, INDUSTRIAL)

- HRYLIKHIS, G.A., kand.med. nauk (Moskva)

Problems of health protection in the labor movement in Russia in 1870-1899. Gig. i san. 25 no. 5:48-53 My '60. (MIRA 13:10) (INDUSTRIAL MEDICINE)

BEYLIKHIS, G.A., kand.med.nauk (Moskva)

The 50th anniversary of the 2nd All-Russian Congress of Factory
Physicians (1911-1961). Gig. i san. 26 no.5:37-41 My '61.

(INDUSTRIAL HYGIENE—CONGRESSES)

BEYLIKHIS, G.A., kand. med. nauk

V. IA. Kanel, an active participator in the struggle for health protection of workers in Tsariet Russia. (Mig. i san. 28 no.6844-48 Je.63 (MIRAL784)

l. Iz Moskovskego nauchno-issledovatel'skogo instituta gigiyeny imeni F.F. Erismana.

Problems of social medicine in the works of V.IA.Kanel' (1873-1918). Sov.zdrav. 22 no.4:72-75 '63. (MIRA 16:4)

1. Nauchno-issledovatel'skiy institut gigiyeny imeni F.F. Erismana. (KANEL', VENIAMIN IAKOVLEVICH, 1843-1918)

(SOCIAL MEDICINE)

J BEYLIKHIS, G.A. (Meskva)

Role of the physicians of the Moscow Government Zemstve in organizing native industrial hygiene and industrial sanitation. Cig. truda i prof. zab. 7 no.1:44-48 Ja 63 (MIRA 16:12)

1. Institut gigiyeny imeni F.F. Erismana, Meskva.

SHARKO, Ye.; HEYLIN, A.

Heating the motor of the 20Ch-18/26 electric station before starting
Heating during operation. Muk.-elev.prom.21 no.9:29 S '55.
and its cooling during operation. Muk.-elev.prom.21 no.9:29 S '65.

(NIRA 8:12)

1. Molodechnenskaya oblastnaya kontora Zagotserno

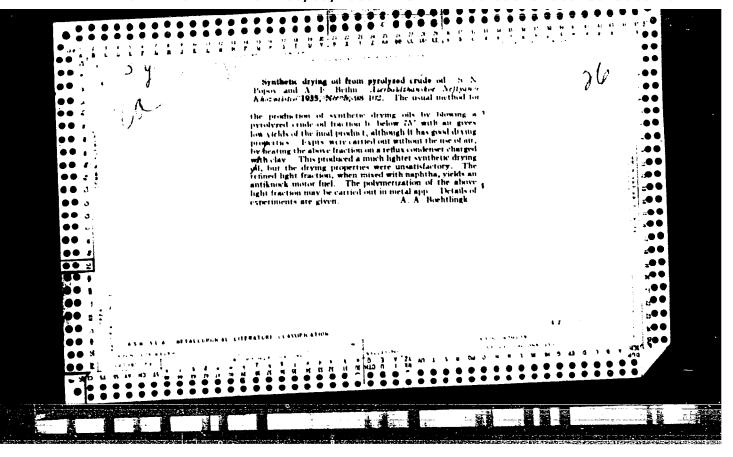
(Blectric motors)

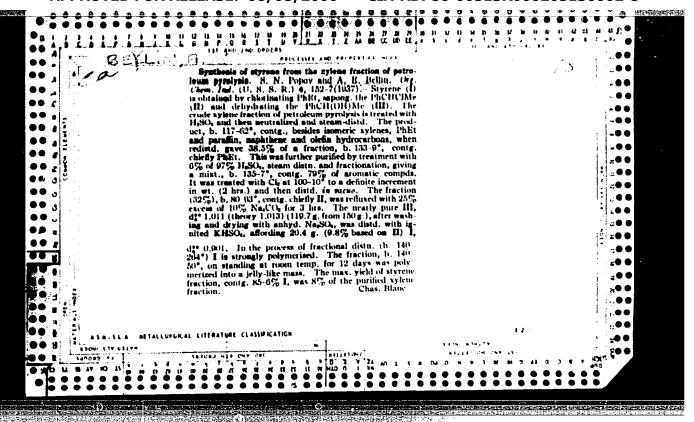
AFRAYMOVICH, M.A.; BEYLIN, A.L.

Usr of clamps on the parametrium in atonic hemorrhages in early puerperium. Akush. i g.n. 40 no.2:46-48 Mr-Ap '64. (MIRA 17:11)

1. Rodil'nyy dom No.15 (glavnyy vrach M.A. Afraymovich) - klinicheskaya baza kafedry akusherstva i ginekologii (zav. - prof. K.N. Zhmakin) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

BEYLIN, A.M., inch., MISHALYUK, 1.G., inch.: BIPMAN, D.W., inch.
Plastic pinions. Mashinestroenie no.2x10-12 Mr. ap '65.
(MIRA 18:6)





8/137/62/000/005/044/150 A006/A101

AUTHORS:

Sinel'nikova, A. I., Beylin, A. Yu.

TITLE:

Gold and silver deposition from cyanide pulps with anionites

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 28, abstract 50180 ("Sb. nauchn. tr. In-t tsevtn. met. im. M. I. Kalinina", 1960, v. 33,

98 - 106)

The authors studied the process of sorption lixiviation applied to resistant ore containing (in %): SiO₂ 82.61, Al₂O₃ 8.38, Fe₂O₃ 2.4, As 0.17, Zn 0.08, Sb 0.01, Sn 0.02, Cu 0.07 and S 0.087. Anionite AH -18 (AN-18) served as an adsorbent (-0.9+0.4 mm size). The experiments were made with 200 g ore batches at L: S = 2:1; concentration of the solution was 0.085% NaCN and 0.01% CaO. It was established that the rate of Au and Ag dissolving during sorption lixiviation increased by more than 3 times; Au extraction within 8 hours lixiviation was 96.8%. An amount of 0.8 g/ton Au remained in the tails (against 1.1 g/ton in conventional lixiviation). The capacity of anionite AN-18 in respect to Au can be raised from 3 - 3.5 to 7% by the method of selective desorption

Card 1/2

Gold and silver deposition from...

S/137/62/000/005/044/150 A006/A101

of cyanide complexes of heavy metals with weak acid solutions. Au and Ag desorption with a thiocarbamide solution in a mixture with HCl was studied and the optimum composition was established: $CS(NH_2)_2$ 8.5 - 9% and HCl 2%. A method was developed of carburizing Au and Ag from hydrochloric acid solutions of thiocarbamide with Pb metal. The process depends mainly upon the magnitude of the Pb surface. Pb consumption, at a dust size 80% of fraction - 0.043 mm, is 6.2 g per 1 g Au and 12.5 g per 1 g Ag.

Q. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

ACC NR: AP7002975 (AN) SOURCE

5 (A,N) SOURCE CODE: UR/0413/66/000/024/0072/0072

INVENTOR: Beylin, A. Yu.; Nikitin, Yu. N.; Lemshina, V. A.

ORG: None

TITLE: A method for sintering cermet products. Class 40, No. 189583

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 72

TOPIC TAGS: cermet product, sintering, hydrocarbon, gasoline

ABSTRACT: This Author's Certificate introduces a method for sintering cermet products (e.g. thermoelectric half cells) under pressure in a liquid medium. The mechanical properties of the products are improved and the productivity of the method is increased by sintering the pressed products in hermetically sealed vessels filled with a liquid hydrocarbon, e.g. gasoline.

SUB CODE: 11, 13/ SUBM DATE: 02Jul63

Card 1/1

UDC: 621.762.50

PLAKSIN, I.N.; SINEL'NIKOVA, A.I.; BEYLIN, A.Yu.

Use of anion exchangers for the regeneration of cyanide from complex salts. Dokl.AN SSSR 138 no.6:1399-1401 Je '61. (MIRA 14:5)

1. Chlen-korrespondent AN SSSR (for Plaksin).
(Cyanide process) (Ion exchange resins)

PLAKSIN, I.N.; HEYLIN, A.Yu.

Theory of the sorption of complex cyanide anions on certain anion exchangers. Dokl.AN SSSR 145 no.3:621-623 Jl 162. (MIRA 15:7)

1. Chlem-korrespondent AN SSSR (for Plaksin). (Cyanides) (Ion exchange)

BEYLIN, B. S.

32773. K patogenesu i lechyeniyu fleksornykh kontraktur nishnikh konechnostey pri ognestrel³nykh porasheniyakh sedalishchnogo nerva. Sbornik nauch. Trudov (kirgis. Gos. Med. In-t), T. IV, 1949, s. 90-03

80: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

IMEROMAN, A.G., kand. tekha. nauk; M.YLIN, D.A., inzh.; MOSKVITIK, V.S., inzh.

Tosting aluminum alloy girders spanning 36 m. Prom. atroi. 42 no.9:
38-41 S '64. (MIRA 17:10)

ACC NP AT6022513 SOURCE CODE: UR/2787/65/000/010/0101/0116 Immerman, A. G. (Candidate of technical sciences); Beylin, D. A. (Engineer) AUTHOR: ORG: None TITLE: Studying lap welded joints of elements made from heat-hardened aluminum alloys in the Al-Mg-Si system 27-21 SOURCE: Moscow. Gosudarstvennyy institut po proyektirovaniyu, issledovaniyu i ispytaniyu stal nykh konstruktsiy i mostov. Materialy po metallicheskim konstruktsiyam, TOPIC TAGS: metal forming, fatigue strength, tensile strength, stress concentration, ABSTRACT: This article is a further study of the strength of elements made from heat--hardened alloys with lapped joints. The welded joint models for this study were sheet, tube and angle iron made from AV-T, AV-T1 and AD35-T1 heat-hardened alloys. flat standard specimens made from sheet and angle iron and also pipe sections with short steel plates tightly fitted into the ends were tested in order to determine physical strength characteristics. These specimens are designed so that failure should occur in the base metal. All welding was done on the PShP-10 semiautomatic machine. The specimens were aged for 20 days at 20°C and tested for static axial Card 1/2 ·

ACC NR. AT6022513

stretching on the CMS-100 universal machine. Loading was done in stages and each stage was maintained for a minimum of 5-0 minutes. The loading stages represent approximately 10% of the estimated fatigue strength for the given specimen. The results show that the tensile strength of elements with an average thickness of 5-8 mm decreases, 25% on the average as a result of the heat effect of welding and stress concentration when compared to the strength of unannealed alloy elements. Thin-walled elements (less than 5 mm) show a 50% strength loss. The results of this study may be used to determine the theoretical width of the heat-affected zone in fastened members during lapped joining, where this zone is measured from the edges of the welded elements. Graphs are given for determining the dimensions of the heat-affected zone in this case. For functional elements with special shapes such as I-beams, channel iron and others, the width of the heat-affected zone can be determined by a method which combines data for flat and right angle sections. A method is also given for calculating elements which are attached at right angle seams. Of the two methods used for determining the load capacity of elements with complex shapes, the method which considers the heat-affected zone yields more accurate results. Orig. art. has: 8 figures, 4 tables, 6 formulas.

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 008/ OTH REF: 001

Card 2/2

ARYKIN, I., kand tekhn nauk; BEYLIN, 1., inzh.

Screw anchors and their mechanized burial into the ground.

Rech. transp. 23 no.9:43-45 S 64. (MIRA 19:1)

1.TSentral'nyy nauchno-issledovatel'skiy institut lesosplava
(for Beylin).

PA 21/59T75

NEGAN PROF. I. 3.

USSR/Medicine - Tuberculosis, Diagnosis Sep/Oct 48
Medicine - Roentgen Rays, Fluoroscopy

"Early Diagnosis of Tuberculosis by Fluoroscopic Methods," Prof I. B. Beylin, 12 pp

"Problemy Tuberkuleza" No 5

Gives concise account of conference of the Society of Phthisiologists in Moscow, 29-30 Jan 48.

IC

21/49175

BEYLIN, I. B. 25884

Oshibki viagnostike legochnogo tuberkuleza i ikh istochniki sbornik nauch rabot lecheb. Uchrezhdeniy mosk. Voyen. Okr Gor'Kiy, 1948, S 169-90

SO: LETOPIS NO. 30, 1948

BEYLTH, I. B.

33419. Nikolay Aleksandrovich Semashko. 1874-1949. Problemy Tuberkuleza, 1949, No. 5, c. 10-13, S Portr.

SO. Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

BEYLIN, I.B.

Treatment of tuberculosis with streptomycin in dispensaries; ambulatory and at home. Probl. tuberk., Moskva no.2:70-73 Mar-Apr 1953. (CIML 24:3)

1. Professor. 2. Moscow.

BEYLIN, I. B.

"Antibiotics in Radiation Sickness," Antibiotiki, 8, No.6, pp. 39-50, 1955

Translation M-1310, 16 Nov 56

BEYLIN, I.B.

ECHINOCOCCUS

"On the Clinico-Roentgenologic Picture of an Early Pulmonary Echinococcus and the Differential Diagnosis of Echinococcus and Pulmonary Tuberculosis", by Professor I.B. Beylin and B.N. Velednitskiy, Klinicheskaya Meditsina, No 4, April 1957, pp 119-121.

Since there are no descriptions of the roentgenoclinical picture of the earliest stages of the development of an echinococcoid cyst in human lungs, the authors present a study of acase of pulmonary echinococciasis, which was observed for some two years. The progress of the disease is described in detail and there are four reproductions of X-ray photographs.

Card 1/1

- 34 -

BEYLIN, I.B., podpolkovnik meditsinskoy sluzhby, prof.; KREYNIN, L.S., podpolkovnik meditsinskoy sluzhby, kand.med.nauk

Influence of streptomycin and BCG vaccination on the course of tuberculosis in guinea pigs with radiation sickness. Voen .- med. zhur. no.8: 31-35 Ag'58. (N (STREPTOMYCIN) (BCG VACCINATION) (TUHERCULOSIS IN ANIMALS) (RADIATION SICKNESS) (MIRA 16:7)

Cycloserine in experimental and clinical use in pulmonary tuberculosis. Klin.med. 36 no.12:21-26 D 58. (MIRA 12:6) (TUBERCULOSIS, PULMONARY, ther. cycloserine (Rus)) (ANTIBIOTICS, ther. use cycloserine in pulm. tuberc. (Rus))

BEYLIN, I.B., prof., polkovnik med.sluzhby

Military research of therapeutic and prophylactic institutions of the Soviet Army. Voen.-med.zhur. no.10:49-52 0 '59. (MIRA 13:3) (MILITARY MEDICINE)

Chemoprophylaxis and chemotherapy of tuberculosis under army

conditions. Voen.-med.zhur. no.3:32-36 Mr '61. (MIRA 14:7)

(TUBERCULOSIS) (MEDICINE, MILITARY)

BEYLIN, I.B., polkovnik meditsinskoy sluzhby, prof.

Conferences devoted to infectious hepatitis. Voen.-med. zhur. no.8: 94-95 Ag '61.

(HEPATITIS, INFECTIOUS)

BEYLIN, I.B., prof., polkovnik meditsinskoy službby

Sarccidosis. Voen.-med.zhur. no.1:40-46 '65.

(MIRA 18:10)

BEYLIN, I.G.

Trends in mycological research and agricultural mycology. Izv. AN SSSR Ser. biol. no.3:461-471 My-Je '61. (MIRA 14:5) (MYCOLOGICAL RESEARCH)

96. BEYLIE, I. G.

"Recent Wheat Rust Epidemics in North Caucasus and Factors Favoring Their Outbreak and Development." <u>Izvestija Akademii Nauk SSSR</u>, Seria Biologicheskeis, no. 5-6, 1938, pp. 995-1016. 511 Sp2B

So: SIRA S1-90-53, 15 Dec. 1953