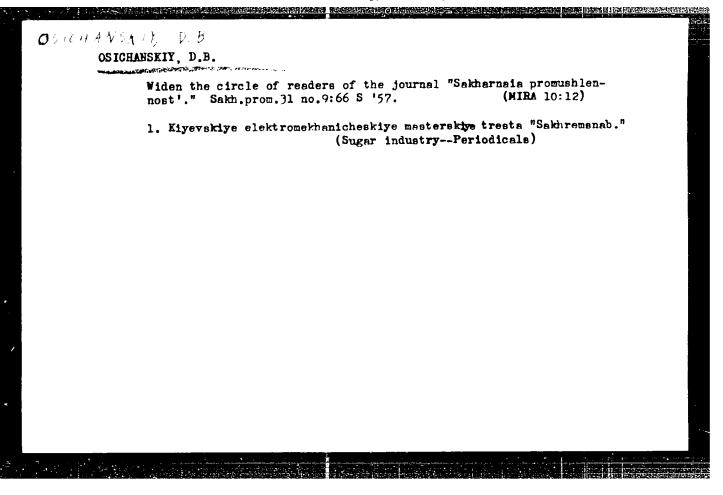
# Automation of industrial processes. Sakh. prom. 31 no.1:57-58 Ja '57. (MIRA 10:4) 1. Kiyevskiye elektromekhanicheskiye masterskiye tresta Ukrsakhremsnab. (Sugar industry) (Automatic control)



OSICHANSKIY, D.B.

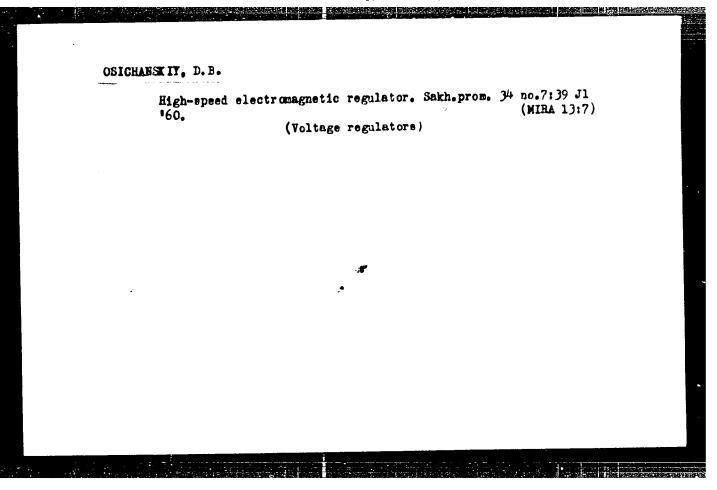
Mechanization and automatization in sugar factories of the Kiev Economic Council. Sakh.prom. 33 no.10:41 0 '59.

(MIRA 13:3)

1. Kiyevskiy opytnyy zavod "Sakhavtomat."

(Kiev economic region—Sugar industry)

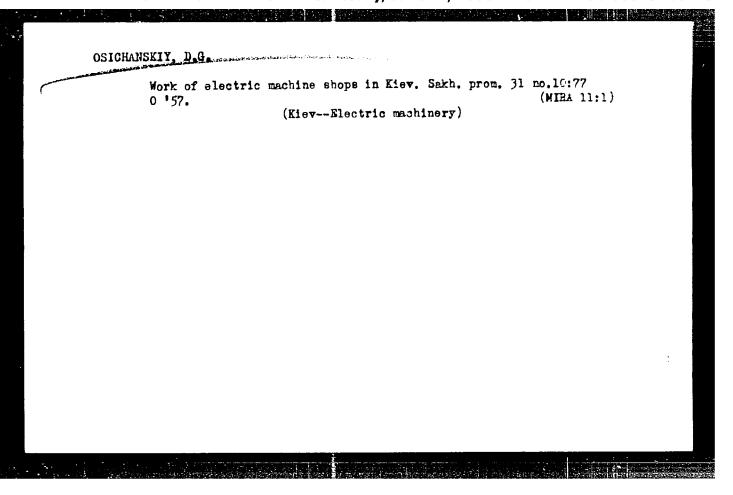
(Automatic control)



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OSICHANSKIY, D.B.

Mobile SEL-IM scraper. Sakh.prom. 35 no.7:38-42 Jl '61.
(MIRA 14:7)

1. Kiyevskiy sovnarkhoz.
(Sugar industry-Equipment and supplies) (Scrapers)
```



VOROPAY, N.M., inzh.; OSICHEV, V.P., inzh.; RUSAKOV, G.M., inzh.

Welding armature bodies for large electric motors. Svar.proisv. no.11:33-34 N 162. (MIRA 15:12)

1. Khar'kovskiy zavod "Klektrotyazhmash" im. V.I. Lenina. (Klectric motors—Welding)

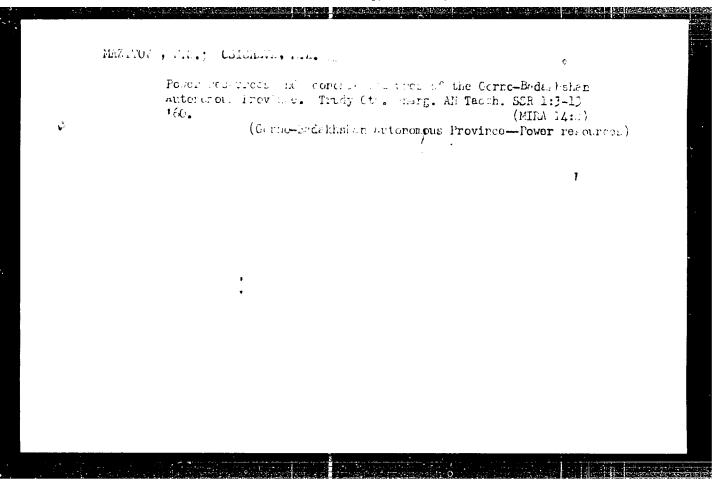
MAZITOVA, P.S.; OSICHEVA, M.A.; SEMENOV, A.A. Developmental trends and principle arrangements for supplying gas to cities in Tajikistan. Izv.Otd. est. nauk AN Tadzh.SSR (MIRA 11:8) no.22:147-159 157.

> 1.Otdel energetiki AN Tadzhikskoy SSR. (Tajikistan--Gas, Natural)

MAZITOVA, F.S.; OSICHEVA, M.A.

Power resources and economic characteristics of southern Tajikistan. Izv. Otd. geol.-khim. i tekh. nauk AN Tadzh. SSR no.1: 25-38 '59. (MIRA 14:8)

1. Otdel energetiki AN Tadzhikskoy SSR. (Tajikistan-Natural resources)



GUREVICH, A.M.; PREOBRAZHENSKAYA, L.D.; OSICHEVA, N.P.

Study of the mechanism of electrolytic isolation of uranium from alkaline solutions of peroxyuranates. Trudy Radiev.inst. AN SSSR. 8:58-76 '58. (MIRA 12:2)

(Uranium-Blectrometallurgy)

HATNER, A.P. [deceased]; GUREVICH, A.M.; PREOBRAZHENSKAYA, L.D.; OSICHEVA, N.P.

Investigation of the processes of thermal decomposition and hydrolysis of the salt Ma<sub>k</sub>UO<sub>0</sub>·9H<sub>0</sub>O in alkaline and aqueous solutions at 80 - 99°C. Trudy Radiev.inst.AN SSSR. 8:99-109

158. (MIRA 12:2)

(Sodium peroxyuranate) (Hydrolysis) (Dissociation)

22l,56 S/186/60/002/001/006/022 A057/A129

21,3100

**AUTHORS:** 

Gurevich, A.M.; Preobrazhenskaya, L.D.; Komarov, Ye.V.; sicheva,

N.P.

TITLE: Spectrophotometrical is estigation of the system  $UO_2(NO_3)_2 - ROH - H_2O_2 - H_2O$ 

PERIODICAL: Radiokhimiya, v. 2, no. 1, 1960, 32 - 43

TEXT: In the present work physico-chemical investigations of the system  $UO_2(NO_3)_2 - ROH - H_2O_2 - H_2C$  were made by means of the spectrophotometric method and potentiometric titrations using  $10^{-4}$  -  $10^{-3}$  M uranium solutions. In previous papers [Ref. 1: Tr. Hadiyevogo inst. im. V.G. Khlopina AN SSSR (Proceedings of the Radium Institute imeni V.G. Khlopin AS USSR), 8, 110 (1958); Ref. 2: ZhNKh, 3, 2512 (1958); Ref. 3: ibid, Ref. 1, 8, 96 (1958)] results concerning hydrolysis and decomposition of the  $UO_8^+$  anion have been presented. This research program is continued by the present investigations into the formations and composition of per-uranium anions in the above-mentioned four-component system, rereby the reversibility of the process was studied. Due to the complexity of the system, preliminary investigations with solutions not containing  $H_2O_2$  were carried

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Spectrophotometrical investigation of the system.... S/186/60/002/001/006/022

out, and then the effect of some factors on the composition of the solution in the presence of  $\rm H_2O_2$  was studied. Solutions with a certain content of uranium or  $\rm H_2O_2$  and with increasing ratio ROH/U were prepared by: I - adding quickly alkali to the uranyl nitrate solution containing  $\rm H_2O_2$ ; II - adding simultaneously ROH and  $\rm H_2O_2$ -solutions to uranyl nitrate solutions; III - by slow titration with alkali solution [as described in a previous paper, Ref. 4: ZhNKh, 2, 2307 (1957)]; and IV - adding  $\rm H_2O_2$  to the products of hydrolysis of the uranyl ions formed in the investigated system. The pH measurements were made with a glass electrode and INI-5 (LP-5) potentiometer, while optical density D was determined on a CD-4 (SF-4) spectrophotometer. Constancy of the pH and D values in time and reprobility of the results indicated a true or a metastable equilibrium in the solution. The dependence of D on pH in solutions not containing  $\rm H_2O_2$  demonstrates that different products of hydrolysis exist in the solutions containing  $\rm 5 \cdot 10^{-4}$  M uranium at pH 3 - 14. According to data published by J. Sutton [Ref. 5: J. Chem. Soc. Iss. no. 2, 275 (1949)], and S. Ahrland et al. [Ref. 6: Acta Chem. Scand., 8, 1907 (1954)] the present authors assume the formation of the cations  $\rm U_2O_2^{c+}$ , and  $\rm U_3O_3^{c+}$  at pH 3 - 7, while at pH 8 - 14 apparently poly-nuclear anions are formed. Weakly acidic and strong alkaline (pH 14) solutions of the products of hydrolysis are stable and obey Lambert-Beer's law. Between pH 10 and 12 with

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Spectrophotometrical investigation of the system....

S/186/60/002/001/006/022 A057/A129

uranium concentrations of 5 · 10-4 M the optical density changes steadily with time apparently due to polymerization and formation of difficultly soluble polyuranates. The tabulated experimental results obtained with solutions containing H<sub>2</sub>O<sub>2</sub> demonstrate that changes in the sequence of mixing of the components or in the time do not change the optical density at pH 6 - 14. Diagrams showing the dependence of D on pH indicate formation of different compounds. By comparison of their absorption spectra the compounds formed in the investigated system  $UO_2(NO_3)_2 - ROH - H_2O_2 - H_2O$  (R = Na<sup>+</sup>, K<sup>+</sup> or NH<sup>+</sup>) can be identified. Under certain conditions the same anions are formed in a system with low uranium concentration and in hydrolysis of  $Na_4UO_8 \cdot 9 H_2O$  (Ref. 2). According to former investigations HoU209 is formed in weak acid solutions, while at pH 14 in dependence on the H<sub>2</sub>O content formation of polyperuranate  $U_4O_{19}^{6-}$  or of the monomer  $UO_8^{4-}$  occurs. In the interval of pH 11 - 12 the composition of the solutions depends essentially on: the sequence of mixing of the compounds, the uranium concentration, the ionic strength and the kind of alkali. Discussing the obtained results the authors conclude that in the investigated system (containing  $\rm H_2O_2$ ) with  $10^{-4}$  -  $10^{-3}$  M uranium concentration and at pH 2 - 14 stepwise formation of complexes occurs. In weakly acidic and strong alkaline solutions the reactions are completely reversible, while at pH 7 - 13 some irreversibility is observed. The latter

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Spectrophotometrical investigation of the system....

is due to polymerization effects, which increase with increasing uranium concentration and ionic strength. The difference in degree and character of polymerization can be explained by the existence of compounds with different  $H_2O_2$  content at pH 11 - 12 and different spectophotometric characteristics ( $HUO_6^2$ ,  $HU_2O_{13}^{-2}$ ,  $HU_4O_{20}^{-2}$  or  $U_2O_{20}^{-2}$ ) non equilibrated. It was observed that in ammoniacal solutions the reaction  $UO_6^{-2} + H_2O_2 \rightleftharpoons HUO_6^{-2} + H_1^{+2}$  is in equilibrium. Considering the present results, conditions can be fixed when only reversible reactions occur, namely the following reactions:  $2UO_3^{*+} + 2H_2O_2 + H_2^{*0}O_2 \implies H_2U_2O_2 + 4H_1^{*+}$ , (3)

$$H_2U_2O_9 \rightleftharpoons H^+ + HU_2O_9^-,$$
 (4)

$$HU_2O_9^- + 4H_2O_3 \rightleftharpoons 2HUO_8^- + 5H^+ + H_2O_1$$
 (5)

$$HUO_8^{3-} \rightleftharpoons UO_8^{4-} + H^+. \tag{6}$$

In the present paper it is demonstrated that [contrary to conclusions drawn by G. H. Hüttig and E. Schroeder, Z. Anorg. Chem., 121, 243 (1922)] per-uranic acid is a true peroxide compound. The acid properties of compounds with peroxide bridges between the uranyl ions can be explained by an acid dissociation of an aqua-complex according to reactions  $[(UO_2)_2(O_2)_2H_2O] \rightleftharpoons H^+ + [(UO_2)_2(O_2)_2OH]^-$  reported by A.A. Grinberg et al. [Ref. 15: Proceedings of the Radium Institute imeni V.G.

Card 4/8

S/186/60/002/001/006/022 Spectrophotometrical investigation of the system.... A057/A129 Khlopin AS USSR, 7, 74 (1956)]. In the summary reaction  $U0_2^{2+} + 3H_2O_2 \rightleftharpoons U0_3^{4-} + 6H^+$  the source of hydrogen ions is  $H_2O_2$ . Thus the  $U0_3^{4-}$  ion can be considered as true peroxide complex anion  $[UO_2(O_2)_3]^{4-}$ , while the  $HUO_3^{4-}$  anion can be represented as complex ion  $[UO_2(O_2)_2(O_2H)]^{3-}$  which dissociates  $[UO_2(O_2)_2(O_2H)]^{3-}$   $\rightleftharpoons$   $H^+ + [UO_2(O_2)_3]^{4-}$ . The concept or uranium peroxide compounds as complex compounds of the uranyl ion with hydrogen peroxide enters agrees with some unavious pounds of the uranyl ion with hydrogen peroxide anions agrees with some previous results of the present authors [Ref. 19: Izd. AS SSSR, Otd. khim. nauk, 3, 547 (1959)]. Since the existence of such compounds does not agree with the concept of uranium peroxide compounds admitted in classical investigations of Pizazhevskiy, the present authors assume that these compounds have properties of complexes. A suitable nomenclature is given in Table 4 and the reversible stepwise formation of the complexes is presented by the following reactions:  $200_2^{2+} + 2H_2O_2 + xH_2O \rightleftharpoons (UO_2)_2(O_2)_2 \cdot xH_2O + 4H^+ K = 2 \cdot 10^{-3}$ (11)(12)Card 5/8 22456

Spectrophotometrical investigation of the system... S/186/60/002/001/006/022
A057/A129

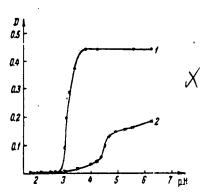
$$[Uo_2(o_2)_2(o_2H)^{3-} \rightleftarrows [Uo_2(o_2)_3]^{l_1-} + H^+$$

$$K = 3 \cdot 10^{-13}.$$
(14)

The mechanism or irreversible formation of poly-nuclear compounds must be investigated in further studies. There are 14 figures, 4 tables and 19 references: 12 Seviet-bloc and 7 non-Soviet-bloc.

SUBMITTED: April 24, 1959

Figure 13: Dependence of D on pH.  $C_U=1\cdot 10^{-4}$  M;  $\lambda=380$  m; l=10 cm. 1 - formation of peracid  $H_2U_2O_9$ ; 2 - ion hydrolysis  $UO_2^{2+}$ .



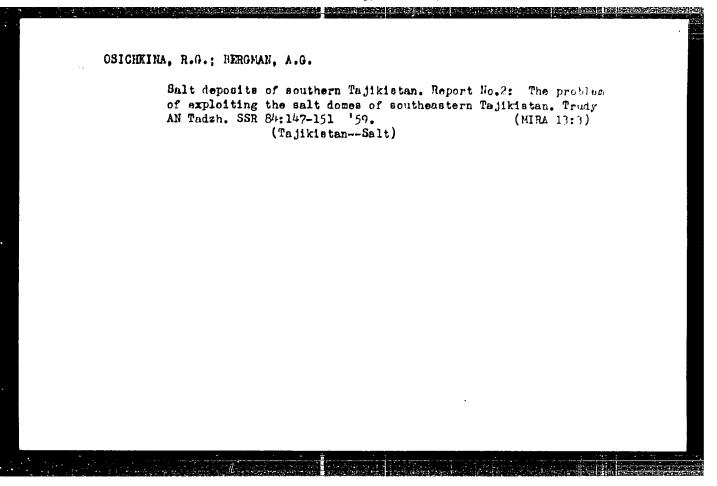
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OSICHKINA, R.G.; KUZHETSOVA, A.I.; HERGMAN, A.G.

Salt deposits of southern Tajikistan. Report No.1: Survey of studies made of the salt deposits of southern Tajikistan. Trudy AN Tadzh. SSR 84:137-145 '59. (MIRA 18:7)

(Tajikistan--Salt)



OSICHKIRA, R.G.; BERGMAN, A.G.

Salt deposits of southern Tajikistan. Report No.3: Salt deposits of the Kulyab group. Trudy AN Tadzh. SSR 84:153-170 '59.

(Kulyab Province--Salt)

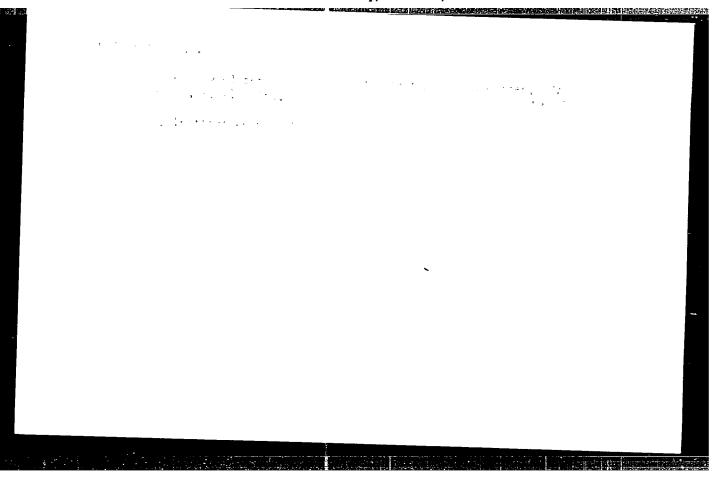
(Kulyab Province--Salt)

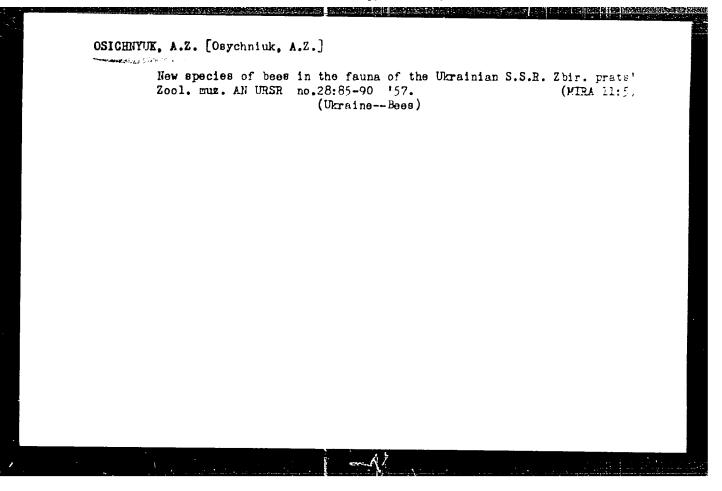
OSICHKINA, R.G.; BERGMAN, A.G.

Salt deposits of southern Tajikistan. Report No.4; Salt deposits of the Tairsu-Kyzylsu interfluve and deposits in the vicinity of the Vakhsh River. Trudy AN Tadzh. SSR 84:171-185 '59.

(MIRA 1): )

(Tairsu Valley-Salt) (Kyzylsu Valley-Salt) (Vakhsh Valley-Salt)





Apoidea new to the Ukraine. Dop.AH UHSE no.3:372-375 '60.
(MIRA 13:7)

1. Institut zoologii AN USSR. Predstavleno akademikom AN USSR A.P. Markevichem [0.P. Markevychem].
(Ukraine--Bees)

```
BARBARICH, A.I. [Barbarych, A.I.]; OSICHNYUK, V.V. [Osychniuk, V.V.]

Ukrainian Butanical Society in 1962. Ukr. bot. zhur. 20 nc.3:

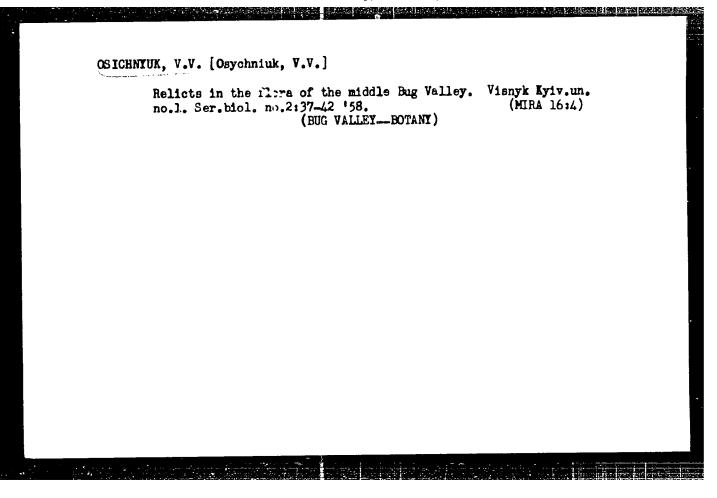
(MIRA 17:9)

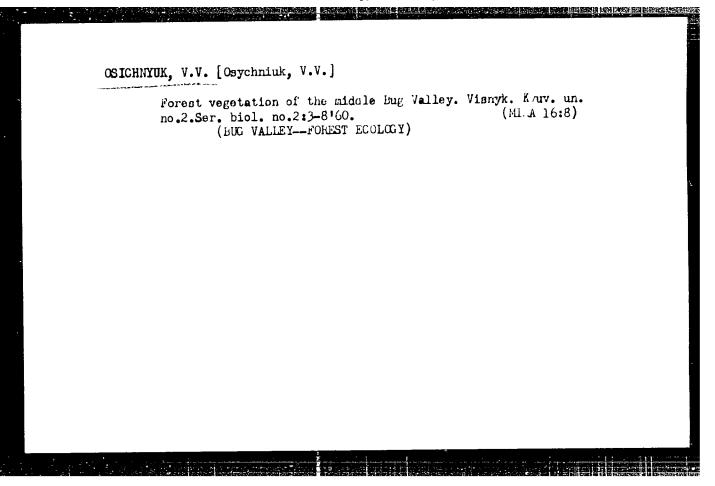
115-116 '63.
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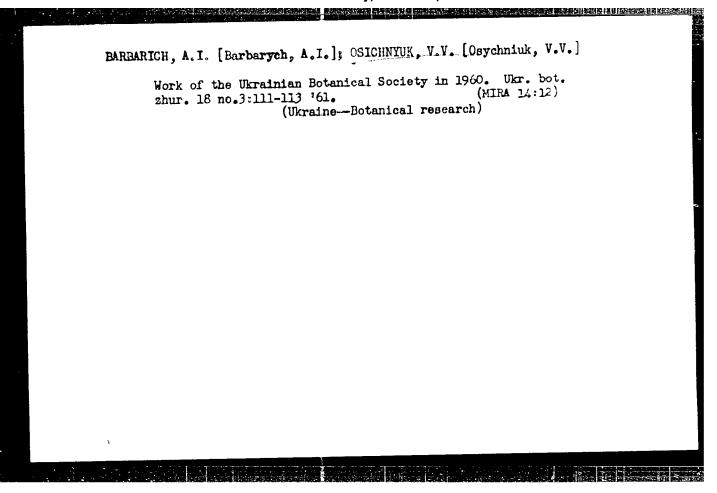
BARRARICH, A.I. [Barbaryth, A.I.]; OSIGHNIUK, A.V. [Osychniuk, V.V.]

Ukrainian Botanital Society in 1963. Ukr. bot. zimr. 21 no.3:
109-111 \*64

(MIRA 17:7)







BARBARICH, A.I. [Barbarych, A.I.]; OSICHAYJK, V.V. [Osychniuk, V.V.]

Work of the Ukrainian Botanical Society in 1961. Ukr. bot. zhur.
19 no.3:115-117 '62.
(Ukraine-Botanical societies)

(MIRA 15:7)

ROISKI, Stanislaw; ZDUNSKA, Alina; ILIASZENKO, Janina; OSICKA, Anna

New method for the isolation of L-leucine from protein hydrolysates. Acta Pol. pharm. 22 no.3:233-236 '65.

1. Z Zakladu Chemii Farmaceutycznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. St. Rolski).

CHAJECKA, Maria; SALAMON-RURARZ, Zofia; OSICKA, Krystyna

The frequency and duration of breast feeding in a large city. Pediat. pol. 39 no.1:77-84 Ja'64

1. Z Zakladu Rozwoju Dziecka (Kierownik: doc.dr.med. M.Chajecka) Instytutu Matki i Dziecka w Warszawie (Dyrektor: prof. dr. med. B.Gornicki).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

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OSICKI, E.

Increase the discipline of the wage fund. p. 16.
GOSPUDARKA ZBOZOWA. Vol. 7, No. 6, June 1956. Warsz.wa.

East European Accessions List (..EAL) Library of Congress Vol. 5, No. 11, August 1956

<u> Programment de la programme </u>

\$/081/62/000/005/051/112 B156/B108

AUTHOR:

Osicki, Ryszard

TITLE:

Characteristics and chemical stability of some materials used

in the manufacture of apparatus

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 367, abstract

51245 (Przegl. elektron., v. 2, no. 2, 1961, 140 - 154)

TEXT: The chemical stabilities of glasses of various compositions, polyvinyl chloride, polyethylene, and teflon are examined. It is noticed that the higher temperature the lower the chemical stability of these substances. Increase in the concentration of aqueous solutions of acids, salts, or bases means that they attack glass worse but attack plastics less. Transparent quartz, polyethylene, and teflon have smaller impurity contents, and are therefore recommended for use when producing substances of high purity. 18 references. [Abstracter's note: Complete translation. ]

Card 1/1

# OSICKI, Ryszard Obtaining high purity hydrofluoric acid. Przegl elektroniki 3 no.10:573 0 '62. 1. Fabryka Polprzewodnikow TEWA, Warszawa.

# OSICKI, Ryszard Obtaining high-purity hydrofluoric acid. Przem chem 42 no.1:32-33 Ja '63.

1. Fabryka Polprzewodnikow TEWA, Warszawa.

P/0053/64/000/002/0053/0061

ACCESSION NR: AP4022665

AUTHOR: Osicki, Ryszard

TITLE: Drying of gases for semiconductor purposes

SOURCE: Przeglad elektroniki, no.2, 1964, 53-61

TOPIC TAGS: gas drying, semiconductor, molecular sieve, Nalsit molecular sieve. Calsit molecular sieve, 4A molecular sieve, 5A molecular sieve

ABSTRACT: In this article a review is given of the various methods for drying gases and an evaluation is made of the most profitable methods for application in the semiconductor industry. For semiconductor research, the most effective drying (about 1.10-14% vol. H<sub>2</sub>O) is obtained by molecular sieves type 4A and 5A with the following considerations: they show exceptionally high absorption at low steam concentrations; they assure a high degree of drying within a wide range of temperatures; they are characterized by a rapid stabilization of sorption equilitemperatures; they are characterized by a rapid stabilization of sorption which has brium; they have a comparatively simple technology for the regeneration which has no negative effect on the sorption property of the zeolites — consequently it is possible to use them for many years without frequent changing; they are useful for

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ACCESSION N	R: AP4022665		!	1
exoress tha the Oil Ins quantity of	nks to Naster titute in Crac type 4A and 5	icles besides water, for example CO, of Engineering J. Chachulski and to ow for unselfishly furnishing us wit A molecular sieves for the research Institute for Oil and Hydrocarbon I	H. Piatkiewicz from th the necessary as well as to Engineer	•
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OSIDZE, D.F.; SYURIN, V.N.

Cultivation of the swine influenza virus in the culture of the kidney tissue of a cattle fetus. Veterinaria 39 no.12:58-61 D '62. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy
virusologii i mikrobiologii.
 (Virus diseases in animals--Research) (Tissue culture)

SIURIN, V.N.; OSIDZE, D.F.; PANTELEYEV, Yu.V.; SUSHKOV, P.V.

Propagation of A2 influenza virus in porcine embryo kidnev cell cultures. Acta virol. 7 no.4:378 Jl '63.

1. D.I. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(INFLUENZA VIRUS) (TISSUE CULTURE)

(KIDNET) (GLYCOGEN) (VIRUS CULTIVATION)

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NAKHMANSON, V.M.; OSIDZE, D.F.; SEROV, M.F.; ALEKSANDROVA, V.T.;
SOLOV'YEV, S.; MALYSHEV, N.; IVANEMKO, N.M.; POTATURKIN, V.;
CHIZHOV, A.I.; MIKHAYLOV, N.N.

In the Soviet Union. Veterinaria 39 no.1:88-96 Ja '63.

(Veterinary medicine)

(Veterinary medicine)
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OSIDZE, D.F.

Virological and serological study of influenza in swine.

Veterinariia 41 no.1:19-21 Ja '64. (MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii.

SYURIN, V.N.; OSIDZE, D.F.

Rational terminology for respiratory virus diseases of swine.
Veterinariia 41 no.7:16-19 01 '64. (MIFA 18:11'

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarncy virusologii i mikrobiologii.

ACC NR: AP6028651	(A,N)	SOURCE CODE:	UR/0346/66/000/005/0017/0	018
AUTHOR: Osidze, N. G.			•	25 - C
CRG: All-Union Scientific Vsosoyuznyy nauchno-issle wikrobiologii) CRTLE: Eultiplication of various cell cultures	dovace 1 sidy	Distitut Veterina	1	э <u>г</u>
SOURCE: Veterinariya, no.	5, 1966, 17-	L8		
COPIC TAGS: virus, hoof a	nd mouth disea	use, rabbit, vacc	ine, serum, virology	
ABSTRACT: In 1960 A. and-mouth disease virt 2-week-old rabbits and vaccine. The production the use of a monolayer however, the small yie of a great many animal vaccine. In searching author tested a 3-5-de 3-month-old swine, a 1-	A. Sviridovas type A to obtaining on of vacci tissue culled of kidnes, thereby	succeeded in a culture of a strain that ne from this sture from 2-3-y tissue requigreatly increasing a continuous source	adapting the foot- kidney cells from could be used as a strain is based on week-old rabbits. The strain the cost of the sof tissue, the	
ord 1/2		UDC:	619:616.988.43-093.35	

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the culture. Orig. art. has: 1 table. JPRS: 36,9327

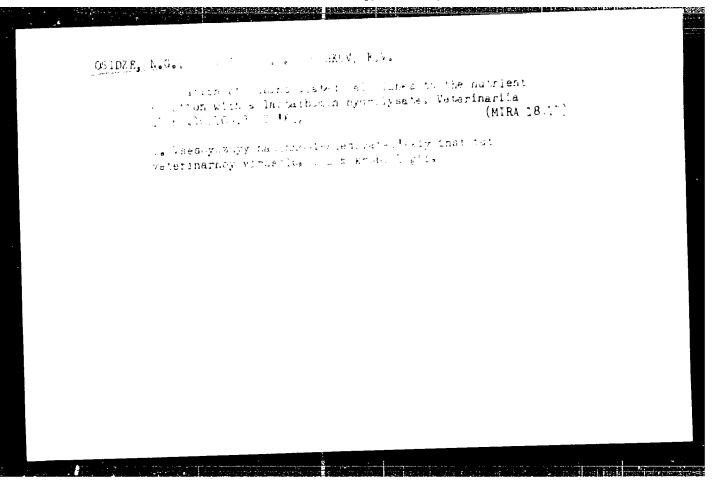
L 38260-66 ACC NR: AP6028651

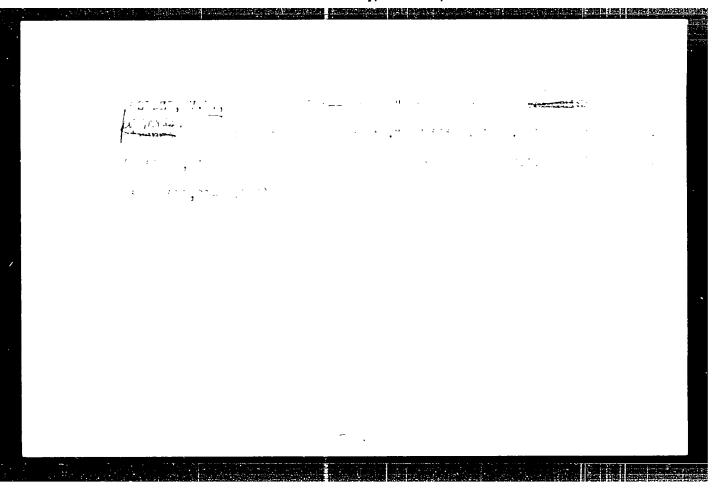
day-old rabbits, and cells of the transplantable strains PP, SPEB, and VNK-21. Grown on a medium consisting of 0.5% lactalbumin hydrolysate solution in Hanks' solution with 10% crude bovine scrum, all the tissues proved to be highly sensitive to the modified foot-and-mouth disease virus.

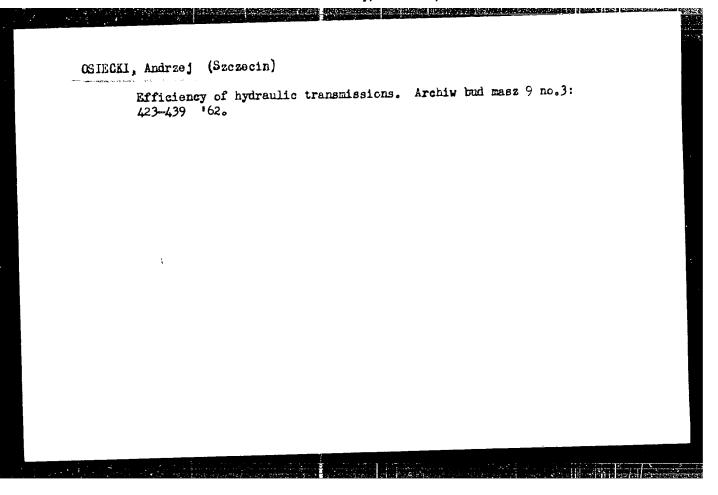
Virus multiplication in all the cultures was accompanied by marked cytopathogenic action. The cells were completely destroyed 18 hours after infection. The virus achieved a high titer by the fifth passage. At this time the virus was capable of forming aphthae in calves, which appeared 24 hours after inoculation of

SUB CODE: 06 / SUBM DATE: none

Card 2/2mil







## WOLTER, H.; OSIECKA, H.

Eve fundus in chronic peripheral vascular diseases. Klin. oczna 28 no.3: 351-355 1958.

1. Z Kliniki Ocznej A. M. w Warzawie Kierownik: prof. dr. med. W. H. Melanowski. Adres autora: Warszawa 12, ul Opoczynska 15 m 15.

(VASCULAR DISEASES, PERIPHERAL, manifest.

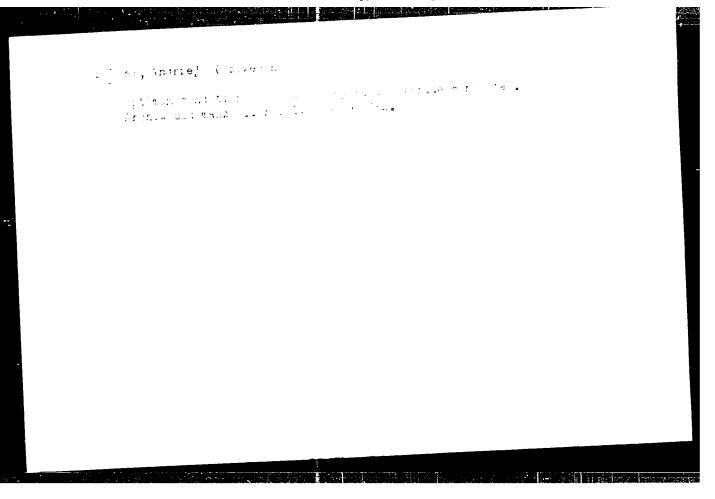
eye fundus in chronic peripheral vasc. dis. (Pol))

(EYE, in various dis.

fundus in chronic peripheral vasc. dis. (Pol))

# OSIECKI, Andrzej (Szczecin)

Static investigation of some speed control circuits of the hydraulic drives of metal working machine tools. Archiw bud masz 8 no.4:511-539 '61.

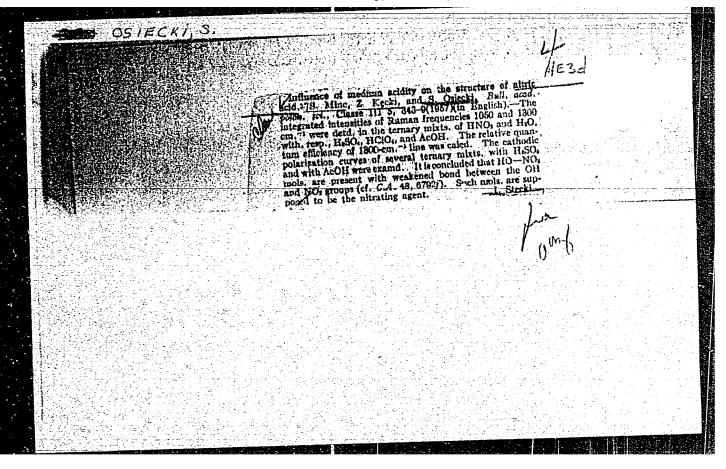


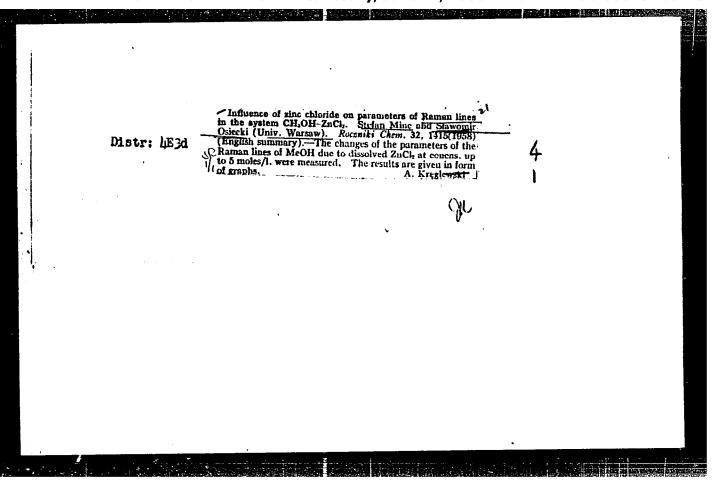
OSIECKI, JACEK
Polish
CA:h7:11704
"Means and methods for improving the properties of drilling mud."
Nafta (Poland) 9, 139-41 (1053)

### OBIECKI, Jan

Propagation of plastic strain waves in a semi-infinite bar produced by a periodic load. Proceed vibr probl 3 no.2:141-155 162.

1. Department of Vibrations, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.





24(7),5(4) AUTHORS:

Minc, S., Osiecki, S.

SOV/48-23-10-5/30

TITLE:

The Investigation of Solutions of Zinc Chloride in Methanol by the Method of the Raman Spectrum of Light

PERIODICAL:

Izvestiya Akademii nauk SSSR! Seriya fizicheskaya, 1959, Vol 23, Nr 10, pp 1184-1185 (USSR)

ABSTRACT:

Because of the interaction between the components electrolyte solvent the Raman spectra of the solvent and of the dissolved salt show considerable variations. In references 1 - 4 frequency variations were above all investigated. Kuchkarev et al. (Ref 4) already pointed out the strong interaction of molecules in the zinc chloride solution in methanol. This solution has already been investigated by means of the Raman spectra method by Hibben, who

found a frequency decrease in the 1033 cm<sup>-1</sup>-methanol line. The present paper focuses its main attention on the concentration dependence of integral intensity, the degree of depolarization,

and the width of the line e-1033 cm<sup>-1</sup> (symmetric valence oscillation of C-O in methanol). The method of investigation is the same as in reference 5. The spectrum was excited by the blue

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APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001238

The Investigation of Solutions of Zinc Chloride in Methanol by the Method of the Raman Spectrum of Light

sov/48-23-10-5/39

Hg-line of a PRK-2 lamp. Measuring results are shown by figures 1 and 2. In the case of zinc chloride concentrations of from 0 to 0.9 Mol/liter the integral intensity of the investigated lines increases considerably and the degree of depolarization decreases, which indicates a decrease of the polarity of the C-O bond of methanol as well as a symmetry increase of the methanol molecule. At concentrations > 0.9 Mol/liter intensity decreases and the degree of depolarization of the C-O line increases, which indicates a decrease of the symmetry of the methanol molecule and an increase of C-O bond polarity. In all cases the molar integral intensity of the 1033 cm = 1 line in dissolved state compared to pure methanol was greater and the degree of depolarization was lower. Figure 2 shows the dependence of the width and the frequency of this line on ZnCl2-concentration. The line width shows an increasing and the frequency a decreasing tendency with increasing ZnCl2-concentration. The parameters of other lines were not determined because of the lower intensity of these lines and the intensive background. There are 2 figures and 7 references, 5 of which are Soviet.

card 2/3

The Investigation of Solutions of Zinc Chloride in Methanol by the Method of the Raman Spectrum of Light sov/48-23-10-5/39

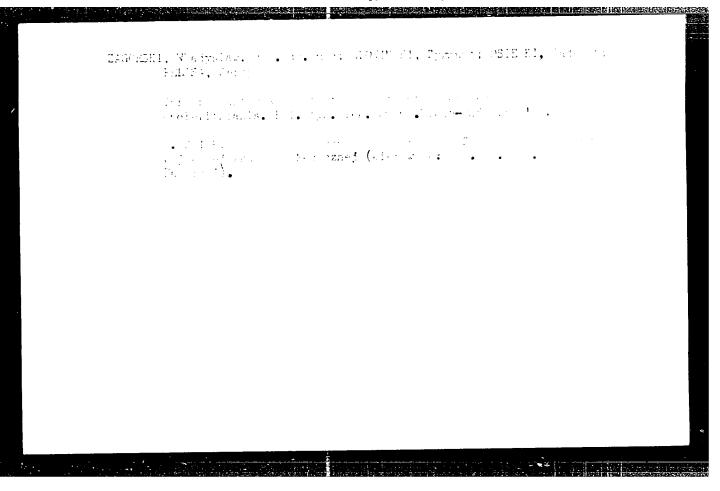
ASSOCIATION: Laboratoriya elektrokhimii Instituta fizicheskoy khimii

Pol'skoy Akademii nauk (Laboratory for Electrochemistry of the

Institute of Physical Chemistry of the Polish Academy of

Sciences)

Card 3/3



### OSIECKI, Tadeusz

4

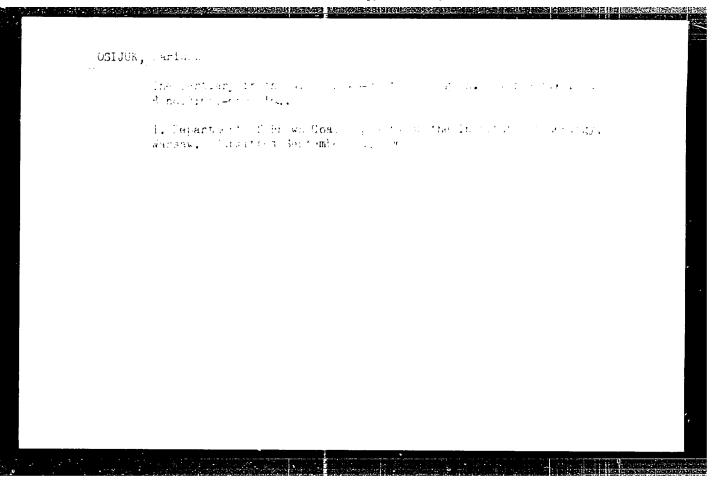
Urinary changes in acure appendicitis. Wiad. lek. 18 nc. 21: 1639-1641 1 N 1 65.

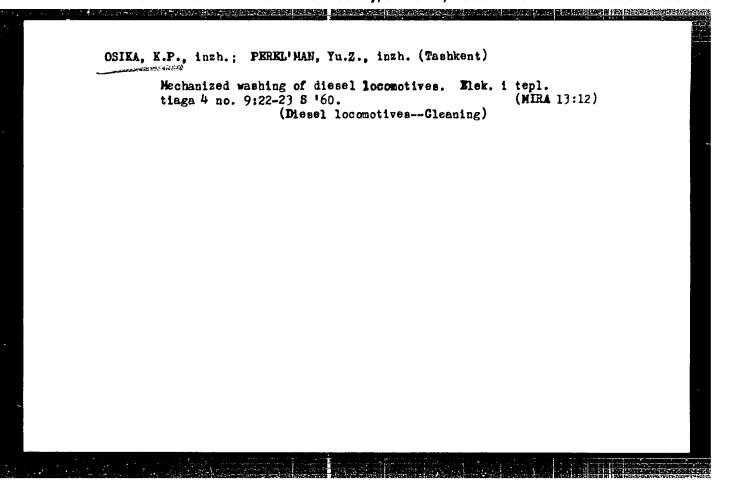
1. Z I Kliniki Chirurgicznej 2 Centralengo Szpitala Klinicznego Wojskowej AM (Kierownik: doc. dr. med. W. Zagorski).

OSIJUK, Dariusz

Reports on the geological and prown coal prospecting works in the region of Wielichowo-Elotnica, Poznan Voivodeship, performed in 1960. Kwartalnik geol 6 no.4:755-756 '62.

1. Zaklad Zloz Wegli, Instytut Geologiczny, Warszawa.





TURGUNOV, D.T.; OUIKA, K.P.

Experience from the first operational trial of the TGM3 diesel switch engine. Elek. i tepl. tiaga no.1:26-27 Ja '61.

(MIRA 14:3)

1. Nachal'nik sluzhby lokomotivnogo khozyaystva, depo Tashkent (for Turgunov). 2. Nachal'nik otdela remonta i ekspluatasii, depo Tashkent (for Osika).

(Diesel locomotives)

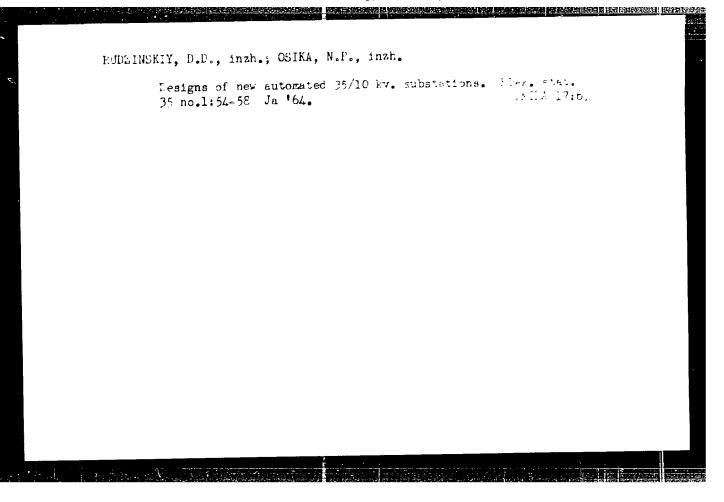
PEREL'MAN, Yu.Z., inzh.; OSIKA, K.P., inzh.; ROVENSKIY, Yu.V., tekhnik

Modified design of the fan drive of the TEl diesel locomotive. Elex.
i tepl.tiaga no.7:40 Jl '63. (MIRA .6:4)

(Diesel locomotives—Ventilation)

OSIKA, K.P., inzh.; MIKHAYLOVSKIY, A.M., inzh.

Use of polyvinyl chloride pipes in 2D100 diesel locomotives. Elek.
i tepl. tiaga 7 no.4:19 Ap '63. (MIRA 16:5)
(Diesel locomotives) (Pipe, Plastic)

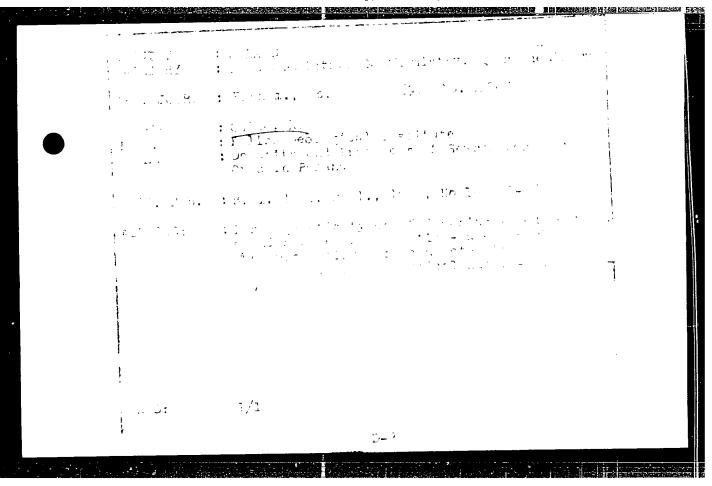


OSIKA, R.

"Iron Ores." p.38
(PRZEGLAD GEOLOGICZNY No. 1/2, Jan./Feb. 1954 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954, Uncl.

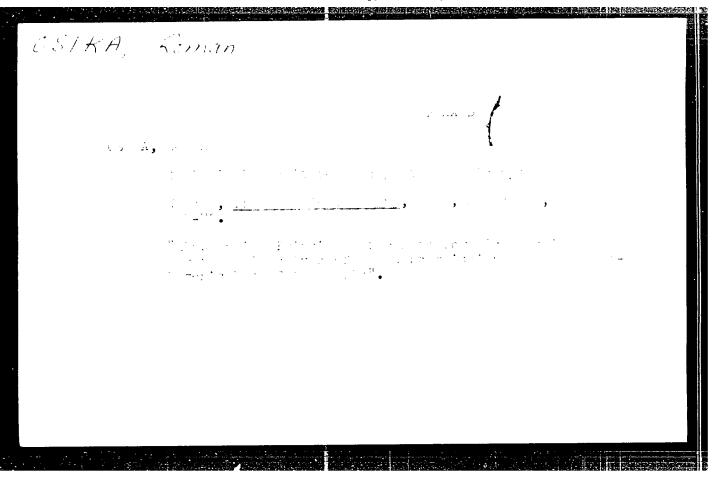
"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

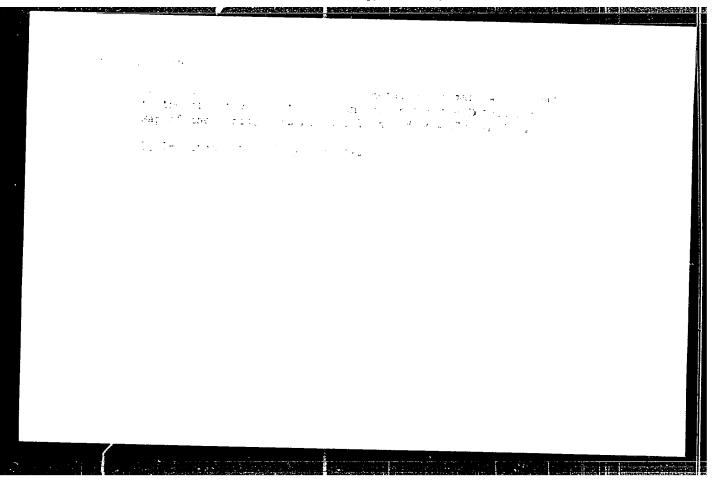


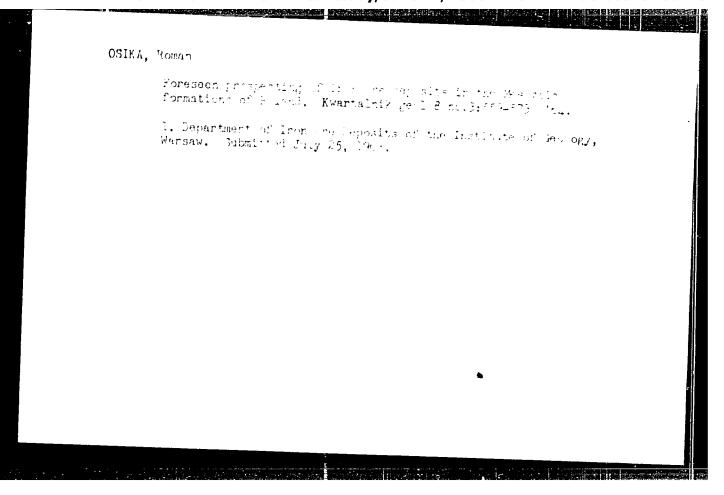
### - OSIKA, Roman

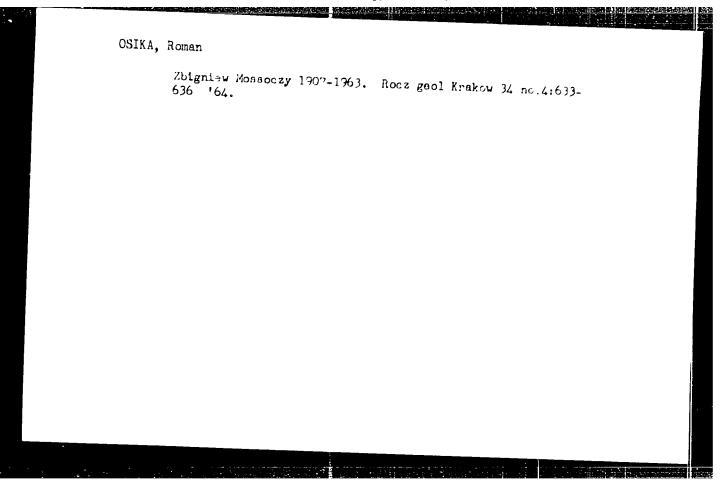
Lower Cretaceous sediments in the region of Izbica and in the Pagorki borehole in Kujawy. Kwartalnik geol 3 no.2:339-358 '59. (EEAI 9:8)

# Middle Lias sediments of Western Pomerania; in connection with the prospecting for iron-ore deposits. Kwartalnik geol 3 no.4:914-938 '59. (EEAI 10:1) 1. Zaklad Zloz Rud Zelaza I.G. (Pomerania--Geology)







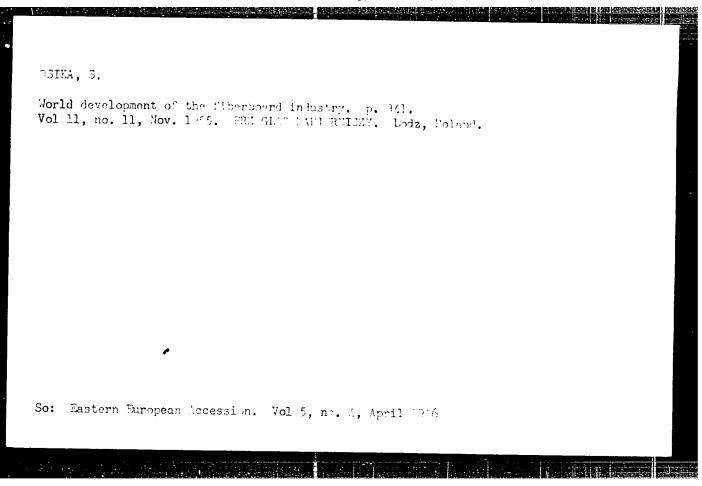


OSIKA, S.

"Finishing Hard Fiber Plates" p. 60. (Przeglad Budowlany, Vol. 25, no. 2, Feb. 1953, Warszawa)

East Buropean Vol. 3, No. 2,

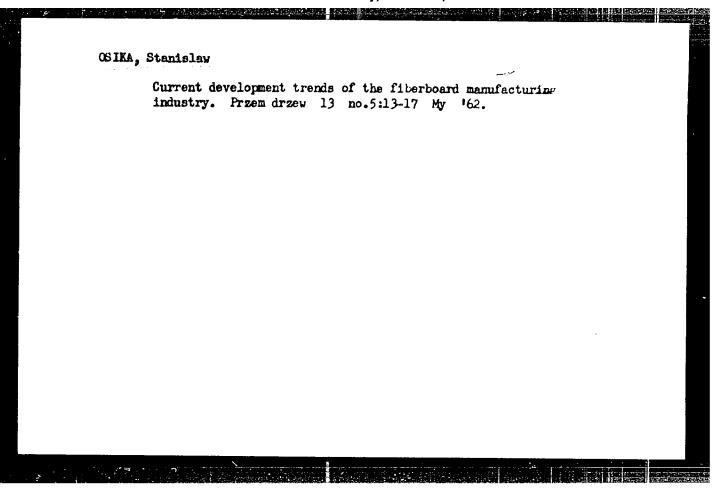
So: Monthly List of MERSELLA Accessions, Library of Congress, February, 1954



# OSIKA, S.

Development of production methods for fiberboard. p. 41. (PRZEGLAD PAPIERNICZY. Vol. 12, no. 2, Feb. 1956, Lodz, Polend)

so; Monthly List of East European Accessions (EEAL) LC. Vol. 0, No. 12, Dec. 1977.



S/137/62/000/003/081/191 A006/A101

AUTHOR:

0s1ka, Z.

TITLE:

The effect of individual parameters of melting upon the amount of rejects due to transverse cracks in plastic deformation

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 15 abstract 3D79 ("Przegl. nauk.-techn. AGH Krakowie", 1961, no. 11, 17 - 32, Polish)

It was established that extended time of bubbling and finishing the steel had a positive effect upon its ductility. It follows from graphs and diagrams presented that the production of high-quality metal is ensured by reducing the bubbling time of steel at a high C content (1.2 - 1.5%) in the first sample. An excessive rate of the burning out of C at the end of bubbling of the steel, reduces strongly the bubbling time but increases rejects during deformation of the metal. The effect of the S amount in the first sample upon the amount of rejects during deformation is of variable nature. However, with a reduced S content the metal quality improves noticeably. In both steel grades at a S content as high as 0.4 - 0.41% in the finished steel, rejects during deformation did not occur. An extension of the bubbling time at a considerable S content has a positive effect

Card 1/2

HANSEL, Wladyslaw; CSIKA, Zygmunt

Segregation of elements in a killed steel ingot. Metal i odlew no. 9:37-56 '63.

1. Katedra Metalurgii Stali, Akademia Gorniczo-Hutnica, Krakow.

OSIKA, Zygmunt

Influence of the grain size of injected lime on the desulfurization of the open hearth metal bath. Archiw hutn 8 no.3:217-242 \*63.

1. Katedra Metalurgii Stali, Akademia Gorniczo-Hutnicza, Krakow.

OSIKA, Zygmunt, dr inz.; KRUCINSKI, Marian, mgr inz.

Possiblities of reducing the manganese consumption by deoxidizing steel under condensed slag. Hutnik P 30 no. 11: 367-371 N '63.

1 h2951-65 EWA(k)/FBD/EWG(r)/EWT(1)/EEG(k)-2/EEG(t)/T/EEG(b)-2/EWP(k)/ EWA(m)-2/FMA(h) Pf-4/Pi-4/Pn-4/Pn-4/Po-4/Peb IJP(c)

UR/0368/65/002/002/0138/01.41

ACCESSION NR: AP5010042

AUTHOR: Kaminskiy, A. A.; Korniyenko, L. S.; Litvak, D. M.; Osiko, V. A.;

Prokhorov, A. M.

TITLE: A CaF 2: Dy 2+ CW laser pumped by a point-source light

SOURCE: Zhurnel prikladnoy spektroskopii, v. 2, no. 2, 1965, 138-141

TOPIC TAGS: paramagnetic laser, dysprosium doped laser, solid laser, point source pumping, laser pumping, CW laser

ABSTRACT: The design and certain characteristics of a CW CaF2:Dy2+ laser pumped by a point-source are described. A superhigh-pressure continuous xenon lamp, the DSSh-1000, placed in an OKL-3a standard cine projection illuminator, was used as of light. The block diagram of the laser is shown in Fig. 1 of

15". The res	기도가 전환하는 살림이 살린 경기 되었다.	onsisted of	Bliver milic			
						RDS
L 42951-65						
ACCESSION NR:	AP5010042			ring, all th	e condensur	sides

transmissivity of approximately 5%. To reduce scattering, all the condensur sides transmissivity of approximately 5%. To reduce scattering, all the condensur sides transmissivity of approximately 5%. To reduce scattering, all the condensur sides transmissivity of approximately 5%. The lifetime of the excited 51, level at were silver coated. Stimulated emission, The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at and was due to the 517-3518 transition. The lifetime of the excited 51, level at an and was due to the 517-3518 transition. The lifetime of the excited 51, level at an analysis of the excit

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238 excitation of lasers operating on other active masses ABBOCIATION: none L 42951-65 I 42951-65
ACCESSION NRI AP5010042
ENCL: 01 SUB CODE: EC NO REF SOV: 000 OTHER: 007 ATD PRESS: 3235 APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123 Card 3 /4

KONSTANTINOVA-SHLEZINGER, M.A.; OSIKO, V.V.; ULAHOVSKAYA, L.S.

Inminescent sinc-lithium-silicated activated by manganese. Zhur. neorg. khim. 3 no.6:1286-1294 Je 158. (MIRA 11:6)

1. Fizicheskiy institut im. P.N. Lebedeva Akademii nauk SSSR 1 Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova.

(Luminescent substances)

24(0) AUTHORS:

Osiko, V. V., Fok, M. V.

SCV, (30-) 8 1 /8/18

TITLE:

The Luminescence of Crystalline Phosphors and Its Application (Lyuminestsentsiya kristallofosforov i yeye primeneniye) All-Union Conference in Moscow (Vsesoguznoye soveshohaniye v

Moskve)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 11, pp 121-122 (USSR)

ABSTRACT:

The Seventh Conference was held in Moscow from June 26 to July 3 and had been convened by the Fizicheskiy institut im. F. N. Lebedeva Akademii nauk SSSR i Nauchnyy sovet po lyuminestsentsii (Institute of Physics imeni P. N. Lebedev of the A3 USSR and the Scientific Council for Luminescence). Almost 350 delegates from the Soviet Union, as well as a few foreign scientists attended the conference. Approximately 100 reports were given. The majority of the talks dealt with the liminescence of alkali-haloid crystalline phosphors. Reports were

given by:

F. D. Klement, I. A. Parfianovich, L. M. Shamovskiy, M. L. Kats, Ch. B. Lushchik and others on the Kinetics of Luminescence of These Phosphors, the Exiton and Ion Proposition Taking

Card 1/3

sev,/30-11-11-38/48

The Luminescence of Crystalline Phosphors and Its Application, Al. U. Conference in Moscow

Place in Them, the Problem of Volume and Surface Described in of Centers of Luminescence.

Ye. Nad' (Hungary), V. V. Antonov-Romanovskiy and others on the Process of Electric Luminescence.

F. M. Pekerman on the Production of Electro-Diminocharca

I. N. Orlov and others on the Practical Application of Electric Luminescence.

Ye. I. Panasyuk on the Production of Mono-Crystals of Elec-

V. Ye. Oranovskiy, B. T. Fedyushin on the Study of Electric

Luminescence of Zinc Sulfide Monc-Crystals. N. A. Tolstoy and Collaborators, P. B. Yashchin (Foland), M.

V. Fok, K. S. K. Rebane, F. I. Vergunas on the Phito-Lumine acence of Zinc Sulfide Luminophores.

N. A. Gorbacheva on the Synthesis of a New Group of Fluoring Phosphate Luminophores.

Yu. S. Leonov on the Synthesis of Mixed Tungstates Activated

M. Yu. Alsalu discovered blue luminescence, unusual with manganese, in the meta-antimonate of strontium with manganese.

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CIA-RDP86-00513R001238 APPROVED FOR RELEASE: Wednesday, June 21, 2000

SOV/30-113

The Luminescence of Crystalline Phosphors and Its Application. Also Conference in Moscow

Ye. G. Vasil'yeva, S. A. Fridman on the first-time adoption of thermographic analysis for the research of zinc sulfide It was noted that practical research has not yet been suf-

ficiently developed.

Card 3/3

24(4) AUTHOR:

Osiko, V. V.

307/20-121-3-31/47

TITLE:

Two Kinds of the Centers of Luminescence of Manganese in the Phase Cadmium-Lithium-Orthosilicate (Dva vida teentrov lyuminestsentsii margantsa v faze kadmiy-litiy-

ortosilikata)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 3,

pp 507 - 510 (USSR)

ABSTRACT:

In a previous paper the author carried out a detailed

investigation of zinc lithium luminophores; this

facilitated the explanation of the generation of various types of light. The present paper deals with cadmiumlithnum luminophores. The author prepared a series of specimens of cadmium lithium orthosilicates which were activated by manganese according to the general formula (6-x)CdO xLi<sub>2</sub>O 3SiO<sub>2</sub> 0.015Mn. For x the values

0; 0.5; 1; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.5; 6.0 were taken. The specimens were prepared according to

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2 different methods. Two diagrams demonstrate the sjectra

Two Kinds of the Centers of Luminoscence of Manganese in the Phase Cadmium Lithium Orthosilicate

SOV/26 121-3-31/47

of the photoluminescence and of the cathode luminescence of the cadmium lithium-orthosilicates activated by manganese. These spectra consist of a green or of an orange red band, or of their sum. The place of the maxima of the green and of the red bands (514 and 615  $m\mu$ ) does not depend on the manner of excitation and on the composition of the luminophores. The ratio of the intensities of the green and of the red bands depends on the ratio CdO/Li<sub>2</sub>O in the orthosilicate. The dependence of the intensities of these bands on the composition has a complex character. The above mentioned and also other results of this paper lead to the following conclusion: The same phase of the cadmiumlithium orthosilicate (activated by manganese) is responsible for the green and also for the red luminescence. The molar ratio between cadmium oxide and lithium oxide in this phase may be varied slightly without disturting phase homogeneity. The author thanks Professor M.A Konstantinova Shiezinger for constant interest in this paper and for useful advice. There are 3 figures

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APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001238

Two Kinds of the Centers of Luminescence of Manganese SOV/20-121-5 31/47 in the Phase Cadmium-Lithium-Orthosilicate

1 table, and 5 references, 1 of which is Soviet.

ASSOCIATION: Fizicheskiy institut im.P.N.Leb-deva Akademii nauk SSSR

(Physics Institute imeni P N Lebedev, AS USSR)

PRESENTED: March 3, 1958, by A.N. Terenin. Academician

USSR

SUBMITTED: February 17, 1958

Card 3/3

July market to a \_3 On the Low-Temperature Luminescence of Zinc Oxide in the Red Part of Osiko, V.V. ATITHOR: TITLE: the Spectrum PERIODICAL: Optika i spektrosko iya, 1959, Vol 7, No 6, pp 770-775 (USUR) By heating zinc oxide to temperatures above 1100° in air or oxygen the author obtained samples which luminesced on excitation with 365 mm light at room temperature, emitting sellowish light. On lowering of ABSTRACT: temperature the luminescence intensity of such phosphors rose strongly and the emission became red in colour. Fig 1 shows the luminescence spectra of such phosphers at 195 (curve 2) and 78°K (curve 3) For the sake of comparison a zinc oxide spectrum (curve 1) with the .unl resu luminescence is given in Fig 1, arve 1 regresents a phosphor prepared at 900°3 in air. The spectra reported were recorded by means of a monochromator UM-7 combined with a photocoltriclier FEU-17 consistive in the red region. The observed luminescence was found to desemble the conditions of preparation, on the temperature to which the thosphers were heated, the atmosphere in which this heating was cirried out and on prehistory of the particular smalle used. The author deduces that the red luminescence observed by him is due to unstable storchicmetri-Card 1/2

On the low-To, proture inchesses, or oxigon. Experiments on the oute the defects in the form of excess of oxygon. Experiments on the oxide containing divalent has an imparity showed (Fig. 3, 4) that although thangoness entered the oxide lattice forming a substitutional structure, no manganess liminascence was observed in anowledgments are made to Mich. Acoustantinous-billounger who directed this work and Miv. For who advised on it. There are 6 figures and 11 references 5 of which are Soviet and a English.

SUBMITTED: April 4, 1938.

OSIKO, V. V., Cand Chem Sci -- (diss) "Luminescence, crystallochemical structure, and phase composition of luminophores of the zinc oxide-silicon dioxide system, and activated with manganese." Leningrad, 1960. 11 pp; (State Committee of the Council of Ministers USSR for Chemistry, State Order of Labor Red Banner Inst of Applied Chemistry -- GIPKh); 200 copies; price not given; (KL, 27-60, 149)

OSIKO, V. V.

On the Valency States of Manganese in Phosphor Systems

V. V. Osiko, P. N. Lebedev Physical Institute, Academy of Sciences of the U.S.S.F., Moscow, U.S.S.R.

On the basis of oxidized manganese and its total content being measured in about 50 phosphors, the average valencies of manganese were calculated. Judging from these data there are three groups of phosphors differing from each other in the correlation between the luminescent properties and the valency of manganese. The model system ZnO-MnO-O, was studied. The cause of the different valencies of manganese is discussed.

Report presented at the 117th Meeting of the Electrochemical Society, Chicago, 1-5 May 1960.

68225 5.4100 s/078/60/005,02/011/045 B004/B016 Osiko, V. V. AUTHOR: Phase Composition, Luminescence Properties, and Structure of Synthetic Zinc Silicates Containing Manganese TITLE: Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 2, pp 297-305 PERIODICAL: (USSR) The author first describes the preparation of lumincphores from ZnO, SiO<sub>2</sub> and an addition of  $\lim(NO_3)_2$  at 1000-1350°. The ABSTRACT: composition was varied in the range (100-x)2n0.xSi02.1.2Mr (x = 0 up to 100 mol %). The melts produced were investigated with respect to the intensity of luminescence on excitition by ultraviolet light or electrons; further, the spectrum surve of the luminescence, and the curve of the thermal afterglow were recorded. The phase composition was investigated by means of determination of the refractive indices and Debye powder patters. Figure 1 shows the dependence of the intensity of luminescence (determined by means of the FM type photometer) at excitation by ultraviolet light on the composition of the sample and the annealing temperature at which the melt was Card 1/3

THE REPORT OF THE PROPERTY OF