"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.

USSR/Engineering
Automobiles
Trucks - Performance

Oct 48

"A Few Observations on the GAZ-51 Automobile," N. Tyutin, I. Reznik, Engineers, 2 p

"Avtomobil'" No 10

There is no doubt that the GAZ-51 is a better truck than those manufactured in foreign countries for similar purposes. Truck operates well as a unit. However, individual parts need improvement. Performance of axles, particularly for front wheels, must be improved.

PA 28/49T18

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.; MAKSIMOVA, I.

Foreign methods for copying and duplicating documents. Biul. nauch.inform.; trud i zar.plata no.2:67-74 '59. (MIRA 12:5)

(Copying processes)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

Simplification of the gravimetric determination of dust in air. I. B. Keznik. *Hig. Truda* **14**, No. 3, 52-5 (1936); *Chimie & industrie* **38**, 473.—The method is based on the use of porous glass filtering plates, which are unaffected by atm. humidity, whereas with cotton filters the results are affected by the humidity. After passing the air from which the dust is to be removed, the filters should be dried to const. wt. (1-2 hrs.). A. P.-C.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.B.; ASTAKHOV, Yu.I.

Using automatic control systems. Gor. zhur. no.3:30-33 Mr '62. (MIRA 15:7)

1. Glavnyy energetik Achisayskogo polimetallicheskogo kombinata (for Reznik). 2. Zamestitel' glavnogo energetika Achisayskogo polimetallicheskogo kombinata (for Astakhov).
(Achisay region--Mining engineering--Equipment and supplies)
(Automatic control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

[illegible], I.U., YEVDOKIMENKO, A.I.

Ways of replacing coke by natural gas in shaft furnace smelting of oxidized nickel ores. TSvet.met. 38 no.7:36-40 Jl '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.; LYUMKIS, S.Ye.; TUMASOV, V.F.

Investigating the movement of molten slags by means of tracers. TSvet. met. 36 no.3:21-25 Mr '63. (MIRA 16:5)
(Slag) (Radioisotopes--Industrial applications)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.; BULGAKOV, V.I.; SAZHENOV, M.K.

Measuring waste gas temperatures for the automatic control of the speed of pallet movements in sintering machines. TSvet.met. 35 no.2:29-36 F '62. (MIRA 15:2)
(Sintering) (Automatic control)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

YEVDOKIMENKO, A.I.; ZABEREZHNYY, I.I.; RAFALOVICH, I.M.; REZNIK, I.D.; Prinimali uchastiye: SHERMAN, B.P.; KUDRIN, A.N.; GALITSKIY, L.M.; SERPOV, V.I.; VOROB'YEV, V.A.; STEPANOV, A.S.; RODIONOVA, N.M.; BUNTOVNIKOV, A.S.; YEVDOKIMOVA, L.Ye.

Air blast preheating for shaft furnaces. Tsvet. met. 33 no.10:12-20 O '60. (MIRA 13:10)

1. Gosudarstvennyy institut po tsvetnym metallam (for Yevdokimenko, Zaberezhnyy, Rafalovich, Reznik, Rodionova, Buntovnikov, Yevdokimova). 2. Yuzhno-Ural'skiy nikelevyy zavod (for Sherman, Kudrin, Galitskiy, Serpov, Vorob'yev, Stepanov).

(Air preheaters)

(Metallurgical furnaces--Equipment and supplies)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.; KRUGLYAKOVA, M.S.

Causes of the uncontrollability of matte composition in the shaft furnace smelting of oxidized nickel ores with gypsum. TSvet. met. 35 no.6:80-83 Je '62. (MIRA 15:6)
(Nickel--Metallurgy)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.; KRUGLYAKOVA, M.S.

Interaction of gypsum with metallic iron in the presence of slag as applied to shaft furnace smelting of oxidized nickel ores. Zhur.prikl.khim. 35 no.6:1237-1242 Je '62. (MIRA 15:7)
(Nickel ores) (Gypsum) (Iron)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

S/136/62/000/006/004/005
E071/E435

AUTHORS: Reznik, I.D., Kruglyakova, M.S.

TITLE: On the cause of irregularity in the composition of matte on shaft smelting of oxidized nickel ores with gypsum

PERIODICAL: Tsvetnyye metally, no.6, 1962, 80-83

TEXT: It was found difficult to control the composition of matte on smelting oxidized nickel ores with gypsum in shaft furnaces. According to previous investigations the presence of molten slag leads to a rapid decomposition of gypsum even in a reducing atmosphere, while without slag, gypsum is fully transformed into calcium sulphide. In the present work the velocity of the interaction of calcium sulphate with metallic iron in the presence of slag (25.1% Fe, 31.9% SiO_2, 16.6% CaO, 0.1% MgO, 0.2% Al_2O_3 and < 0.1% S) in the temperature range 900 to 1000°C was investigated. The procedure consisted of heating a mixture of finely ground components in corundum crucibles in a stream of nitrogen; the SO_2 evolved was absorbed and the residue in the

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crucible analysed for sulphide and sulphate sulphur. In the absence of slag, sulphate sulphur rapidly reduced to sulphide; the presence of slag slowed down the reaction but the removal of sulphur with gas was insignificant. The proportion of metallic iron present in the mixture had a decisive influence on the transfer of sulphur into the sulphide form. In the presence of slag and an insufficient proportion of iron, up to 47% of sulphur is removed as the gas SO_2. If there was an excess of iron (in respect of equation: $CaSO_4 + 4Fe = CaS + 4FeO$) all sulphur transformed into sulphide. The following mechanism of sulphidization is postulated: gypsum mainly decomposes with the evolution of SO_2 which, together with elementary sulphur, is absorbed by iron, reduced to metallic and ferrous forms. On the basis of this mechanism a number of features of shaft smelting of oxidized nickel ores with gypsum are explained. There are 2 figures.

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SOV/136-59-7-6/20

AUTHORS: Reznik, I.D., Yevdokimenko, A.I., Zaberezhnyy, I.I., Sherman, B.P., Kudrin, A.N., Serpov, V.I., Petrov, L.K.

TITLE: Shaft Smelting of Sintered Oxidized Nickel Ores With Hot Blast

PERIODICAL: Tsvetnnye metally, 1959, Nr 7, pp 30-36 (USSR)

ABSTRACT: The use of hot blast in shaft smelting in non-ferrous metallurgy is comparatively recent. The authors describe production experiments made by the kombinat (combine) Yuzhuralnikel' together with Gintsvetmet and Gipronikel'. Aside from the authors the following participated in the work. From Yuzhuralnikel': S. Ye. Lyumkis, M.M. Zolkina, A.G. Ushakov, V.T. Gritskova, U.D. Shaymukhambetov, N.V. Sukhin, I.S. Firyago, V.I. Mannanikov; from Gintsvetmet: A.S. Buntovnikov, M.S. Kruglyakova, Yu. N. Skvortsov, L.I. Yevdokimova; from Gipronikel': N.P. Malyk, Ye. M. Simonov, N.N. Sin'ko, A.N. Derevnin. The furnace used had a cross section in the tuyere zone of 7.2 m^2 and a width of 2m; stack height was 8 m and the slit tuyeres dipped at 15°.

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SOV/136-59-7-6/20

Shaft Smelting of Sintered Oxidized Nickel Ores With Hot Blast

Blast heating was provided by a specially designed oil-fired heater. Suitable instrumentation was provided. The experiments were conducted as during a previous investigation (Ref 4) on the same furnace; a parallel investigation of stack processes was carried out (Ref 5). Blast temperatures of 190, 300 and 400°C were used, the furnace working smoothly (Fig 1 shows the blast-pressure chart) and without difficulties. Compared with cold-blast operation on the same furnace a coke saving of 28.9% was obtained by blast heating to 300°C; allowing for the oil used in the blast heater the economy was 15.2% by weight, 11.5% if the difference in calorific value of oil and coke is taken into account. Fig 2 shows that top gas composition is best at 300°C. This temperature is also close to the optimum for fuel economy (Fig 3) and smelting and coke burning rates (Fig 4). The authors conclude that the tests have shown that blast heating should be introduced into practice. They recommend that oil- or gas-fired blast heaters should be designed, and that the development of methods for blast heating using the heat

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SOV/136-59-7-6/20

Shaft Smelting of Sintered Oxidized Nickel Ores With Hot Blast

contents of slags and top gases should be accelerated. There are 4 figures, 2 tables and 5 references, 4 of which are Soviet and 1 French.

ASSOCIATION: Gintsvetmet (I. D. Reznik, A. I. Yevdokimenko, I.I. Zaberezhnyy); Kombinat (Combine) Yuzhurnalnikel' (B. P. Sherman, A. N. Kudrin, V. I. Serpov); Gipronikel' (L. K. Petrov)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

SOV/136-58-8-20/27

AUTHOR: Reznik, I.D.

TITLE: ~~Measurement of the~~ Humidity of Gases from the Sintering of Oxidized Nickel Ores. (Izmereniye vlazhnosti gazov pri spekanii okislennykh nikelevykh rud).

PERIODICAL: Tsvetnyye Metally, 1958, Nr.8, pp.75-76 (USSR)

ABSTRACT: The author presents and discusses experimental results on the humidity of sintering gases additional to those in the article written by him in collaboration with P.I. Voskresenskiy and M.S. Kruglyakova, and published in "Tsvetnyye Metally", 1958, Nr.7. He gives two sets of curves (Fig.1) showing the changes with sintering time of the suction, temperature and humidity of the windbox gases for the sintering of oxidized nickel ores, one set being for an air flow rate of 23.0 $m^3/m^2/min$. and the other for one of 38.3. The author concludes that the effect of moisture in reducing the bed resistance and thereby increasing sintering speed is indirect - through reduction of the high temperature zone; heating the charge to give windbox temperature over 55-60°C also

Card 1/2

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SOV/136-58-8-20/27

Measurement of the Humidity of Gases from the Sintering of Oxidized Nickel Ores.

accelerates sintering by increasing their drying-power in the early stages. There is 1 figure.

1. Nickel ores--Sintering 2. Gases--Temperature factors 3. Gases --Moisture content 4. Humidity--Measurement

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

137-58-4-6808

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 70 (USSR)

AUTHOR: Reznik, I. D.

TITLE: Magnetite Action on the Cobalt Losses With Slags (Vliyaniye magnetita na poteri kobal'ta so shlakami)

PERIODICAL: Sb. nauchn. tr. Gos. n.-i. in-t tsvetn. met., 1957, Nr 13, pp 249-267

ABSTRACT: Laboratory melts show that increase in magnetite (M) in a charge causes sulfides (S) of Fe and Co to undergo more complete oxidation, while the matte (Ma) yield and extraction of Co in the Ma decline. Oxidation of sulfides in the melt by magnetite proceeds particularly violently at > 1300°. Any M remaining in the products of melts performed at 1200-1380° does not affect the distribution of the Co among the slags. Sulfidation of $CoO \cdot Fe_2O_3$ and $CoO \cdot SiO_2$ occurs in the melt to the same degree, which is probably explained by the presence of the Co as ions. Running of converter slags with addition of SiO_2 makes it possible partially to dissociate the M. Up to 7% of all the Co went into the Ma from slags containing 0.1-1.1% Co, but Ma did not precipitate from lean slags. The Ma yield rises in a reducing

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137-58-4-6808

Magnetite Action on the Cobalt Losses With Slags

atmosphere due to the partial reduction of Fe and Co oxides, and the extraction of Fe and Co in the Ma rises. The presence of metallic Fe increases the extraction of Co in Ma.

Ye. Z.

1. Melts--Processes 2. Cobalt--Reduction 3. Magnetite--Applications

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I. D.

Distr: 4E2c

Bazilevskii, V. M., Istrin, M. A., Bartashev, I. L., Lyubalina, S. I., and Reznik, I. D.: Vtorichnye tsvetnye metally (spravochnik). chast' III. Metallurgiya medi i svintsa (Secondary Nonferrous Metals (Handbook). Part III. Metallurgy of Copper and Lead). Moscow: Metallurgizdat. 1957. 544 pp. r.16. k.60. Reviewed in *Tsvetnye Metally* 30, No. 8, 82-3(1957).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D., kand. tekhn. nauk; TARKHOV, N.G., inzh.; RAGULINA, A.T., inzh.

Smelting nickel agglomerate in an oxygen-enriched air blast. (MIRA 11:4)
Kislorod 10 no.5:6-14 '57.
(Nickel--Metallurgy)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

137-58-6-11984

Translation from Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 113 (USSR)

AUTHOR: Reznik, I.D.

TITLE: A Comparison of Production Indices and of the Material and Thermal Balance in the Process of Shaft Smelting of Lead Sinter (Sravneniye tekhnologicheskikh pokazateley, material'nykh i teplovykh balansov shakhtnoy plavki svintsovogo aglomerata)

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 22, pp 15-23

ABSTRACT: A comparison of technological processes employed by two different plants in the smelting of Pb sinter.

G.S.

1. Sintered Lead--Processing 2. Lead Ores--Processing 3. Lead--Production

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.; VOSKRESENSKIY, P.I.; KRUGLYAKOVA, M.S.

Moisture of flue gases during the agglomeration of oxidized nickel ores. TSvet. met. 31 no. 7:51-55 Jl '58. (MIRA 11:8)

1. Gintsvetmet.

(Nickel--Metallurgy)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.

Measuring the moisture of gases in sintering oxidized nickel ores. TSvet. met. 31 no.8:75-76 Ag '58. (MIRA 11:9)
(Nickel--Metallurgy)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

Reznik, I. D.

137-58-5-8763

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 6, (USSR)

AUTHOR: Reznik, I. D.

TITLE: On the Sampling and Transporting of Lead Concentrates (Ob oprobovanii i transportirovke svintsovykh kontsentratov)

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 10, pp 23-25

ABSTRACT: In order to eliminate manual labor during the unloading of containers, sampling, and shipping of concentrates in ore-sintering shops, as well as to provide conditions necessary for mechanization and automation of these shops, it is essential that the concentrates arriving from milling plants be dried and reduced to a granular state before being unloaded. To achieve this the plants must expand their operational process to include drying and rolling of moist concentrates and drying of the granules. If the concentrates cannot be granulated, most accurate and dependable results are achieved by means of sampling of moist concentrates as they are being charged into containers at the milling plant.

A. Sh.

1. Lead ores--Sampling 2. Lead ores--Transportation

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

AUTHORS: Reznik, I. D., Candidate of Technical Sciences, Tarkhov, N. G., Engineer, Ragulina, A. T., Engineer. 67-12-2/12

TITLE: The Smelting of a Nickel Agglomerate With an Oxygen-enriched Blast (Plavka nikelevogo aglomerata na dutye obogashchennom kislorodom).

PERIODICAL: Kislorod, 1957, Nr 5, pp. 6 - 14 (USSR).

ABSTRACT: The shaft-furnace smelting of oxidized nickel ores is characterized by the low productivity of the shaft-furnaces, the great consumption of coke and the low coefficient of the utilization of heat. With present smelting conditions the consumption of coke is 30-35% of the weight of the melted material and almost 50% of the prime cost of nickel. The reduction of the coke consumption and the simultaneous increase of the productivity of shaft-furnaces can be reached by a preheating of the blast, an increased addition of air and a more complete combustion of coke. The authors studied the possibilities of using a blast enriched with oxygen. Experimental meltings were carried out according to the Gintsvet-method in the Bronze-Brass Works in Moscow. The project of the experimental plant was carried out by "Gipronikel". The vaporization station was projected by "Giprokislorod". Consultants were: A. A. Tseydler, G. Ya. Leyzerovich, V. V. Kondakov, I. M. Rafalovich. Conclusions: 1. - Ordinary shaft-furnaces for nickel smelting can be used for a smel=

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ting with a blast which is enriched with oxygen up to 35°/o without any essential changes of their construction. 2. - In the smelting with the blast, enriched with oxygen up to 31-35°/o, the consumption of coke dropped to 18-23°/o. The savings of coke were reached became it was sub jected to a more complete combustion to carbon dioxide. Also the drop of temperature as well as of the relative quantity of waste gases and water contributed to the cooling of caissons. 3. - The enrichment of the blast with oxygen increased the specific fused mass (proplav) of the agglomerate. At a content of oxygen of 31°/o in the blast the fu= sed mass amounted to 131°//, compared with the fused mass with air blo= wing, with 39°/o of oxygen it amounted to 177°/o. This was dependent on the more intensive combustion of coke and the decrease of its speci= fic consumption. The values obtained with 39°/o of oxygen can not be regarded as being very exact, because of organisatory difficulties in the raw material during smelting and because of the periodic scaffol= ding of the charge. 4. - The increase of the fused mass and the re= duction of the consumption of coke had no essential influence on the loss of nickel with the slags. The extraction of nickel in matte (v shteyn) was 75-76°/o on all conditions. 5. - The smelting with the oxygen blower was characterized by the drop of the signition point of the combustion of coke in the furnace as well as by the drop of the

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The Smelting of a Nickel Agglomerate With an Oxygen-enriched Blast. 67-12-2/12

temperature of waste gases. In the case of uninterrupted operation the temperature of the waste gases was 100°C and less; the temperature of the slag rose to 1400°C. The conditions of operating the furnaces became better. The yield of circulating products decreased to almost half of their values and was 9,6°/o instead of 18,1°/o. 6. - In the smelting with an oxygen blast of up to 39°/o oxygen the nickel content in matte increased from 18,1 to 21,4°/o and the content of cobalt increased from 0,41 to 0,57°/o. The content of sulfur decreased from 16,3-7,7°/o. The composition of the slag remained almost unchanged and only the content of magnetite decreased from 3,3 to 1,4°/o. The experimental smelting showed essential advantages in the use of the blast with oxygen. - Following the results obtained the decision was made to carry out industrial experiments in the " Yuzhuralnikel'" combined works. The oxygen station erected and put to work in 1956, called KT-1000, made it possible to carry on the experiments on industrial conditions. The experiments showed that a small enrichment of the blast with oxygen will be more effective with industrial plants than with small furnaces. The usefulness of the use of oxygen in shaft meltings is, at present, mainly determined by economic reasons. Approximate calculations showed that an enrichment of the blast with 25-26°/o of oxygen will bring about savings of prime cost due to smaller coke consumption, with a current cost of 14 Kopekes per

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The Smelting of a Nickel-Agglomerate With an Oxygen-enriched Blast. 67-12-2/12

1 kWh. The carrying out of the industrial experiments will make it possible to solve the question, which of the methods is more economic and more useful for the smelting - the heating of the blast or an enrichment with oxygen.
There are 4 figures, 7 tables, and 1 Slavic reference.

AVAILABLE: Library of Congress.

1. Metallurgy 2. Furnaces-Smelting 3. Air blast-Effects

Card 4/4

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REZNIK, I. D.

8

18 18 4E2c

Pilot-plant smelting of nickel oxide ores with enriched blast. L. K. Petrov, I. D. Reznik, V. I. Serpov, L. L. Chernyak, and B. P. Sherman. *Tsvetnye Metal.* 29, No. 8, 33-5(1956).—The blast fed to an exptl. shaft furnace smelting Ni ores was enriched to 25.7% O_2. The typical charge was ore, coke, and gypsum. The rate of coke charge necessary for operation was decreased from 28% to 22.4% by use of the enriched blast. In addn. it was possible to increase the smelting rate from 28 tons/sq. m. of hearth to 38 tons/sq. m. Ni content of the mat also increased during the period when O was used. R. W. Guard

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BAZILEVSKIY, Viktor Mamertovich; ISTRIN, Mikhail Aleksandrovich; BARTASHEV, Ibor' Leonidovich; LYUBALINA, Soviya L'vovna; REZNIK, Iosif Davydovich; SHPAGIN, A.I., kandidat tekhnicheskikh nauk, retsenzent; VISSARIONOV, B.G., inzhener, retsenzent; KRASHENINNIKOV, S.S., retsenzent; FEL'DMAN, I.Ye., retsenzent; YAFAYEV, L.V., retsenzent; KOMAYEVA, O.M., redaktor izdatel'stva; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[Secondary nonferrous metals; a reference manual] Vtorichnye tsvetnye metally; spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Pt.3. [Metallurgy of copper and lead] Metallurgiia medi i svintsa. 1957. 544 p. (MIRA 10:3)
(Copper--Metallurgy) (Lead--Metallurgy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

PETROV, L.K.; REZNIK, I.D.; SERPOV, V.I.; CHERMAN, B.P.

Industrial test smelting of oxidized nickel in oxygen-enriched air blast at the Southern Urals Nickel Combine. TSvet. met. 29 no.8:33-35 Ag '56. (MLRA 9:10)

(Ural Mountain region--Nickel--Metallurgy)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I. D.

Shaft furnace smelting of battery scrap. I. D. Reznik and N. I. Zaremba. *Sbornik Nauch. Trudov Gosudarstv. Nauch.-Issledovatel. Inst. Tsvetnykh Metal.* 1955, No. 10, 277-92; *Referat. Zhur., Met.* 1956, No. 1157.—Remelting of battery scrap contg. >80% Pb and 2-3% Sb should be conducted at 900-1000° with the addn. of 2.5% reducer. Shaft-furnace melting with natural draft and subsequent processing of crude Pb gave extn. of 84.3%; on remelting in reverberatory furnaces Pb extn. was 87.9%.
V. N. Bednarski

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D., kand. tekhn. nauk; LYUMKIS, S.Ye.; KOVALEV, D.Ya.; TUMASOV, V.F.; KRUGLYAKOVA, M.S.; GRITSKOVA, V.T.

Periodic process of depleting waste slags from the shaft-furnace smelting of oxidized nickel ores with the help of an electric hearth. Sbor. nauch. trud. Gintsvetmeta no.23:151-163 '65. (MIRA 18:12)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.; SHERMAN, B.P.; SOKIN, B.G.

Starting the operation of a KT-100 oxygen plant in the Southern Urals Nickel Combine. TSvet. met. 29 no.10:34-38 O '56. (MLRA 9:12)

1. Gintsvetmet Kombinat Yuzhuralinkel'.
(Ural Mountain region--Nickel--Metallurgy)
(Oxygen)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

KLUSHIN, D.N.; REZNIK, I.D.; BOCHKAREV, L.M.

Prospects for using oxygen in nonferrous metallurgy. TSvet.met. 29 no.4:12-16 Ap '56. (MLRA 9:8)
(Nonferrous metal industries) (Oxygen)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D., KRUGLYAKOVA, M.S.

Sulfatization of oxides of cobalt, nickel, copper and lead in silicate melts. Sbor. nauch. trud. GINTSVETMET no.15:138-163 '59. (MIRA 14:4)

(Nonferrous metals--Metallurgy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.D.; KRUGLYAKOVA, M.S.

Laboratory investigation of the behavior of gypsum in the presence of slag as applicable to shaft furnace smelting of oxidized nickel ores. TSvet. met. 33 no.6:83-84 Je '60. (MIRA 14:4)
(Nickel--Metallurgy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I. F.

Oct 51

USSR/Chemistry - Surface Layers

"Adsorption of Ions on Monomolecular Layers of Fatty Acids. 2. Formation of Bimolecular Films of Fatty Acids on Solutions of Silver Salts," M. A. Gerovich, R. I. Kaganovich, I. F. Reznik, Chair of Elec rochem, Moscow State U imeni M. V. Lomonosov.

"Zhur Fiz Khim" Vol XXV, No 10, pp 1198-1205.

Investigation of mech and elec properties of films of palmitic, stearic, myristic acids, and cetyl alc on neutral solns cotg Ag ions showed: (1) Ag ions interact with fatty acid mols in surface layer, destroying monomol layer and forming bimol film. (2) Bimol film evidently consists of elementary cells of neutral soap each cotg 2 mols of fatty acid salt. (3) Aliphatic alcs do not form bimol films on solns cotg Ag ion.

PA 194T14

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.S.

LEVINSON, Nikolay Grigor'yevich [deceased]; GEYDYSH, S.S., inzh., retsenzent; GINTSBURG, M.V., inzh., retsenzent; LUGOVOY, M.V., inzh., retsenzent; REZNIK, I.S., inzh., retsenzent; TROYANOVSKIY, V.V., inzh., retsenzent; TIMOFEYEVSKIY, T.P., inzh., red.; BARYKOVA, G.I., red.izd-va; MODEL', B.I., tekhn.red.

[Mechanization of management control (management technology)] Mekhanizatsiia upravlencheskogo truda (orgatekhnika). Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.1. 1958. 386 p. (MIRA 12:2)

(Automatic control) (Industrial management)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I. S.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk,; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye.,inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I.,inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N.,inzh.; VASIL'YEVA, A.A.,inzh.; VORONIN, S.A.,inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A.,inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A.,inzh.; GOHLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P.,inzh.;DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L.,inzh.; DROZDOV, P.F.,kand. tekhn. nauk,; KOZLOVSKIY,A.A.,inzh.; KIRILENKO, V.G.,inzh.; KOPELYANSKIY, G.D.,kand. tekhn. nauk,; KORETSKIY, M.M.,inzh.; KUKHARCHUK, I.N.,inzh.; KUCHER, M.G.,inzh.; MERZLYAK, M.V.,inzh.; MIRONOV, V.V.,inzh.; NOVITSKIY, G.V.,inzh.; PADUN, N.M.,inzh.; PANKRAT'YEV, N.B , inzh.; PARKHOMENKO, V.I.,kand. biol. nauk,; PINSKIY, Ye.A.,inzh.; POLLUBNYY, S.A., inzh.; PORAZHENKO, F.F.,inzh.; PUZANOV, I.G.,inzh.; REDIN, I.P.,inzh.; ~~REZNIK, I.~~S.,kand. tekhn. nauk,; ROGOVSKIY, L.V.,inzh.; RUDERMAN, A.G.,inzh.; RYBAL'SKIY, V.I.,inzh.; SADOVNIKOV, I.S.,inzh.; SEVER'YANOV, N.N.,kand. tekhn. nauk,; SEMESHKO, A.T.,inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N.,inzh.; TROFIMOV, V.I.,inzh.; FEFER, M.M.,inzh.; FIALKOVSKIY, A.M.,inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F.,inzh.; SHCHERBAKOV, V.I.,inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L. inzh.,red.; KRAVTSOV,Ye.P., inzh.,red.; GRIGOR'YEV, G.V.,red.; KAMINSKIY, D.N.,red.; KRASOVSKIY, I.P.,red.; LEYTMAN, L.Z., red.[deceased],; GUREVICH, M.S.,inzh.,red.; DANILEVSKIY, A.S.,inzh.,red.; DEMIN, A.M., inzh.,red.; KAGANOV, S.I.,inzh.,red.; KAUFMAN, B.N., kand. tekhn. nauk. red.; LISTOPADOV, N.P.,inzh.,red.; MENDELEVICH, I.R., inzh.,red.[deceased];

(continued on next card)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I.,inzh.,red.; ROZENBERG, B.M.,inzh.,red.; SLAVIN, D.S., inzh.,red.; FEDOROV, M.P.,inzh.,red.; TSYMBAL, A.V.,inzh.,red.; SMIRNOV, L.V., red. izd-va,; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol. 3.[Organization of planning; Construction of surface buildings and structures] Organizatsiia proektirovaniia; Stroitel'stvo zdanii i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)

(Mining engineering)

(Building)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

4590. Importance of the anatomical peculiarities of the sacrum and the dural envelope in sacral anaesthesia. I. S. Reznik and L. P. Bereko *Trud. Khabarovsk med. Inst.*, 1953, 14, 89—94 *Referat. Zh. biol. Khim.*, 1953, Abstr. No. 88292.—It was demonstrated on 104 adult corpses (60 men and 44 women) that the shape and size of the sacral aperture [SA] is difficult to determine during inspection. Two basic shapes of SA were observed; a long narrow and a short wide SA. Length 0·7—8·4 cm., width 1—2·2 cm., height 2—5 mm. In two cases it was completely grown together. The distance between the lower end of the cone of the dura mater and the edge of the SA is 5·0—5·5 cm. If 20—25 ml. of colouring matter [C] was injected through the SA into the spinal canal it may be observed in the epidural space of the sacral and lumbar section of the backbone. In one third of the cases C was observed to the level of Th_{11}—Th_8. Some of the C also washes round the spinal nerves and the sympathetic cord from both sides. Sacral anaesthesia may be used just as effectively as peridural. (Russian)

E. I. Parks

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

L 7807-66

ACC NR: AP5022960 SOURCE CODE: UR/0256/65/000/006/0041/0044

AUTHOR: Reznik, I. Ye. (Colonel, Candidate of military sciences)

ORG: None

35
B

TITLE: The determination of the probability of aerial target destruction

SOURCE: Vestnik protivovozdushnoy oborony, no. 6, 1965, 41-44

TOPIC TAGS: aerial target, air defense aircraft, interceptor aircraft, fighter combat training, pilot training, training aid/MiG-17 aircraft

ABSTRACT: One of the most important characteristics of the combat skill of an interceptor pilot is his ability to destroy an aerial target during his first attack at a maximum distance from the protected object. The best way to study the results is by means of photoshooting, the results of which were used for the establishment of nomograms which, in turn, may be used (after detailed analysis) for an increase of fire power efficiency. The basic ideas are applied to specific numerical examples (given shooting distance, target speed, etc.) for the case of attacking MiG-17 aircraft. Orig. art. has: 4 figures.

SUB CODE: PH, MS, AC / SUBM DATE: none

Card 1/1

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.Ye., kand. voyennykh nauk, polkovnik, voyennyy letchik pervogo klassa; VORONOV, V.M., kapitan, voyennyy shturman pervogo klassa; STEPANETS, V.S., kapitan, voyennyy shturman pervogo klassa; VOLKOV, V.S., mayor, voyennyy shturman pervogo klassa; PAVLOV, G.V., polkovnik, voyennyy letchik pervogo klassa; DANILKO, S.V., podpolkovnik, voyennyy shturman pervogo klassa

It is very important to improve the tactical training of flight personnel. Mor. sbor. 48 no.6:44-53 Je '65.

(MIRA 18:6)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.Ya.

Condition of hearing of workers in some noisy occupations at the Lugansk Locomotive Works. Zhur. ush., nos. i gorl. bol. 19 no.5: 23-27 S-O '59. (MIRA 14:10)

1. Medsanchast' teplovozostroitel'nogo zavoda g. Luganska.
(HEARING) (NOISE)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I Ye.

Anesthesia following tonsillectomy. Vest.oto-rin. 20 no.5:130 S-O '58 (MIRA 11:12)

1. Iz 6-y gorodskoy bol'nitsy Voroshilovrgada
(TONSILS--SURGERY)
(NOVOCAINE)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, I.Ye.

Prevention of hemorrhage following tonsillectomy. Zhur. ush., nos. i gorl. bol. 21 no.1:78 Ja-F '61. (MIRA 14:6)

1. Iz otdeleniya bolezney ukha, gorla i nosa 6-y gorodskoy bol'nitsy g. Luganska.

(TONSILS--SURGERY)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, K., agronom

High potato yields. Nauka i pered. op. v sel'khoz 8 no.12:37-38 D '58. (MIRA 12:1)

(Potatoes)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, K.A.

Voltage-current characteristic of a p-n junction. Radiotekhnika 19 no.7:76-77 Jl '64. (MIRA 17:12)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, K.A.

Statistical expression of the characteristics and parameters of two-electrode tubes. Radiotekhnika 17 no.10:54-61 O '62. (MIRA 15:9)

(Diodes)
(Electron tubes)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, K.D.

White Russian S.S.R. Nauka i pered. op. v sel'khoz. 7 no.11:12-13 N '57. (MLRA 10:11)

1. Glavnyy metodist pavil'ona "Belorusskaya SSR" Vsesoyuznoy sel'skokhozyaystvennoy vystavki.
(White Russia--Agriculture)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, K.I.

REZNIK, K.I.; USHERENKO, M.P.; BARANOVSKIY, M., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[New developments in the technology of pattern making; work practices of the pattern-making shop at the Minsk Tractor Plant)] Novoe v tekhnologii izgotovleniia model'noi osnastki. (Iz opyta raboty model'nogo tsekha Minskogo traktornogo zavoda). Minsk, Gos. izd-vo BSSR, 1954. 28 p. (MLRA 8:4)

(Patternmaking)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.

Consultation. Neftianik 6 no.5:33 My '61. (MIRA 14:5)
(Insurance, Social)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.

Right to advantageous pension provision. Neftianik 6 no.2, 29 F '61. (MIRA 14:10)
(Petroleum workers--Pensions and salaries)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.

Sanitariums and rest homes for petroleum workers. Neftianik 6 no.8:27 Ag '61. (MIRA 14:10)
(Labor rest homes)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.

Replies to the inquiries on labor legislation and social security. Neftianik 7 no.4:30 Ap '62. (MIRA 15:11)
(Petroleum workers) (Labor laws and legislation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.

We answer reader' questions. Neftianik 7 no.7:32-34 Jl '62.
(MIRA 16:3)

(Employers' liability)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L., podpolkovnik

Work on a fire-control instrument while shooting at a moving target. Voen. vest. 43 no.9:70-71 S '63. (MIRA 16:10)

(Fire control (Gunnery))

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.

Forty years after the decree on social insurance. Neftianik 7 no.1:24 Ja. '62. (MIRA 15:2)
(Insurance, Social)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

KAFITIN, I.; RAZNIK, L.

Trade union life. Neftianik 6 no.10:24-25 O '61.
(MIRA 14:10)

(Petroleum workers)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

RIKMAN, V. A.; REZNIK, L. A.; GRISHPUN, L. V.

Turntable for transporting mine cars from two cages to the dumper and back. Gor. zhur. no.10:76 O '62.

(MIRA 15:10)

(Mine railroads--Cars)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.B.; KOVALENKO, P.N.

Microcoulometric determination of the number of electrons involved in the reduction of tungstate and vanadate ions on a mercury dropping electrode. Ukr. khim. zhur. 30 no.1: 28-31 '64. (MIRA 17:6)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

KOVALENKO, P.N.; REZNIK, L.B.

Reply to the letters by A.K. Babko and V.A. Leitsin on the article by P.N. Kovalenko and L.B. Reznik "Determination of pH of the beginning of dissolution and of the activity product of germanium (IV) hydroxide." Izv.vys.uch.zav.; khim.i khim.tekh. 5 no.4:681-684 '62. (MIRA 15:12)

(Germanium oxide) (Solubility)
(Hydrogen-ion concentration)
(Babko, A.K.) (Leitsin, V.A.)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.N.; KOVALENKO, P.N.

Polarographic determination of the pH of the beginning of dissolution and the calculation of the product of activities of tungstic and vanadic acids. Ukr.khim.zhur. 30 no.5:514-520 '64.

(MIRA 18:4)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

KOVALENKO, P.N.; REZNIK, L.B.

Determination of the pH at the beginning of the dissolution, and of the activity product of germanium (IV) hydroxide. Izv. vys. ucheb. zav.; khim. i khim. tekh. 4 no. 2:193-198 '61. (MIRA 14:5)

1. Rostovskiy-na Donu gosudarstvennyy universitet. Kafedra analiticheskoy khimii.

(Germanium hydroxide)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

[illegible], L.P.; [illegible], [illegible]

Mechanism of electrode reaction in the reduction of molybdenum (VI) on a dropping mercury electrode. Zhur. fiz. khim. 38 no.6: 1635-1637 Je '64. (MIRA 18:3)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, L.G., SEMIKIN, V.I.

Measuring gas pressure in the coal bed "Zamechatel'nyi" at Karaganda Basin mine no.19, Izv.AN Kazakh.SSR.Ser.gor.dela, met. i stroimat. no.11:123-129 '56. (MIRA 10:1)
(Karaganda Basin--Mine gases) (Pressure gauges)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

NEZDATNYI, S.M.; GURKEVSKIY, G.M.; ROTSEL', V.I.; MARKOV, S.A.; REZNIK, L.L.

Rubber expansion pieces for pipelines. Suggested by S.M.Nezdatnyi, G.M.Gurkevskii, V.I.Rotsel', S.A.Markov, L.L.Reznik. Rats. i izobr. predl. v stroi. no.15:74-75 '60. (MIRA 13:9)

1. Po materialam Tekhnicheskogo upravleniya Ministerstva stroitel'stva USSR.

(Pipe fittings)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

L 49042-65 EEC(b)-2/EWA(c)/EWT(1)/EWT(m)/EWP(b)/T/EWP(t) Pl-4 IJP(c) GG/JD/JG

ACCESSION NR: AP5006885 S/0181/65/007/003/0802/0810

AUTHOR: Geguzin, Ya. Ye.; Solunskiy, V. I.; Reznik, L. M.

TITLE: On the phenomenon of "vacancy breakdown" during mutual diffusion in alkali-halide single crystals

SOURCE: Fizika tverdogo tela, v. 7, no. 3, 1965, 802-810

TOPIC TAGS: alkali halide, single crystal, mutual diffusion, diffusion porosity, vacancy breakdown

ABSTRACT: This is a continuation of earlier experiments on the mutual diffusion in alkali-halide single crystals (Kristallografiya v. 9, 248, 1964) and presents the results of an investigation of the influence of an external electric field on the mechanism and kinetics of occurrence of diffusion porosity in connection with the dislocation structure of real crystals. The systems investigated were KCl-KBr and NaCl-NaBr. The preparation of the samples and the test procedure are described. The studies of the mutual diffusion in these systems have shown that chains of pores are initiated in the diffusion zone and can develop with preferred orientation along the applied field. In samples with the contact made along the (100) plane needle-like pores were produced perpendicular to the plane of the contact

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L 49049-65

ACCESSION NR: AP5006885

(i.e., parallel to the field). The lengths of the needles varied in different sections of the diffusion zone. When the samples were in contact along the (110) plane, the type of pore structure depended on the field applied. A phenomenological description of this phenomenon, called "vacancy breakdown," is proposed to explain this phenomenon. A similarity is found between the formation of the pore chains and the arrangement of nuclei of electric breakdown in crystals. A distinguishing feature of the kinetics of this process is that repeated heating and cooling cycles do not cause lengthening of already existing chains, although new chains are produced. Orig. art. has: 9 figures and 5 formulas.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo (Khar'kov State University)

SUBMITTED: 05Sep64 ENCL: 00 SUB CODE: SS

NR REF SOV: 003 OTHER: 002

Card 2/2 CC

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

BABAYAN, A.L.; REZNIK, L.Sh.

Trade union life. Neftianik 7 no.5:23-24 My '62. (MIRA 15:12)
(Petroleum industry) (Petroleum chemicals)

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

B-II-9

BC

Corrosion of apparatus in the leather industry. L. Y. Rzemik and V. T. Morgunov (Oviad. Tekh. Koah. Prois., 1932, No. 2, 46—47).—Experiments with Cu plates in aq. KOH or Na_2CO_3 or above Na_2CO_3 solution show that corrosion is greatest at pH 1·5—3·5 and depends also on concn. and temp. Dissolved Cu affects tanning and diffusion properties. Ch. Abs.

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

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AUTHOR INDEX

1ST AND 2ND LETTER

2ND LETTER

3RD AND 4TH ORDERS

P. GROUPS

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

DYPTAN, N.; REZNIK, L., inzh.; PODOL'SKIY, M.

Readers' letters. Avt.transp. 35 no.9:27 S '57. (MIRA 10:10)

1.Avtotransportnaya kontora Stroitel'nogo tresta, Khabarovsk (for Dyptan). 2.Nachal'nik Borodulikhinskoy avtobazy (for Podol'skiy).

(Transportation, Automotive)

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the spectral dependence of absorption was measured in the near infrared (up to 2.5 μ).

V. Sidorov

[Abstracter's note: Complete translation]

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

The sulfite-cellulose extract No. 5 prepared by the Central Leather Research Institute. L. Ya. Reznik. *Okladenie Tekhnikoi: Koshobuvnoe Proizvodstvo* 1933, No. 11-12, 50-3.—The av. characteristics of the dry ext. are: Total dry residue 80.53, insol. substances none, tannides 30.50, ash 14.69. This ext., when used for tanning leather, yielded satisfactory results, but the tanned leather needed an additional treatment with 2-3% of vegetable tannides. The ext., when diluted, has p_H 2.6-3.3. Calcns. for the preparation of tanning solns. are given. A. A. Boehtlingk

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CA

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Sulfite cellulose tanning extracts. L. Ya. Reznik. Russ. 37,797, July 31, 1934. NH_3, $(NH_4)_2SO_4$, and NH_4HSO_3 are introduced into heated sulfite soln. and the product is evapd. to the consistency of dry ext.

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PROCESSES AND PROPERTIES

Sulfite cellulose tanning extracts L. Ya. Reznik and M. I. Khadnik. Russ 37,796, July 31, 1934. Sulfite cellulose solns. are prepd. by introducing NH_3 and Na_2SO_4 into the heated sulfite soln., and concg. to a solid consistency

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CA

29

Sulfite cellulose extract. L. Ya. Reznik. Russ. 37, 798, July 31, 1934. The sulfite cellulose soln. is treated, before concn., with NH_3 and acid salts of Cr, Al or of Fe and NH_3.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROPERTIES INDEX

Core compound. L. Ya. Reznik. Russ. 53,421, July 31, 1938. The compd. contains phenol and naphthol pitches that have been washed, dried and powdered.

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

C14

13

Bonding molding and core mixes. L. Ya. Reznik. U.S.S.R. 67,413, Dec. 31, 1946. An aq. emulsion of peat pitch obtained in distn. of primary peat tars is used as bonding agent for molding and core mixts.

M. Hosch

COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CA

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Sulfite cellulose tanning extracts. L. Ya. Reznik and M. I. Khadunk. Russ. 37,706, July 31, 1934. Sulfite cellulose solns. are prepd. by introducing NH_3 and Na_2SO_3 into the heated sulfite soln., and concg. to a solid consistency.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

CA

28

Sulfite cellulose tanning extracts. I. Ya. Reznik. Russ. 37,797, July 31, 1934. NH_3, $(NH_4)_2SO_4$ and NH_4HSO_4 are introduced into heated sulfite soln. and the product is evapd. to the consistency of dry ext.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

CA

28

Sulfite cellulose extract. L. Ya. Reznik. Russ. 37,-
38, July 31, 1934. The sulfite cellulose soln. is treated,
before concn., with NH_3 and acid salts of Cr, Al or of Fe
and NH_3.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

PROCESSES AND PROPERTIES INDEX

CA

Corrosion of apparatus (in the leather industry) and the sulfite cellulose extract "TsNIKP No. 6." L. Ya. Reznik and V. T. Morgunov. *Orladenie Tekhnikoi Kozhobumoe Proizvodstvo* 1932, No. 2, 46-7. Expts. were carried out with Cu plates (1) suspended in a soln. of KOH, (2) suspended in a soln. of Na_2CO_3 and (3) suspended in the vapor above a soln. of Na_2CO_3. The flasks were charged with 700 cc. of a tanning ext. of 5.4° Bé. The heating was carried out for 72 hrs. In spite of the decrease of the p_H with the duration of the expts. concordant results were obtained. Thus in (1) at an initial p_H of 5.7, 10.6 g. per sq. m. and for p_H 5.7, 8.74 g. per sq. m. of metal were dissolved, corresponding to pit factors of 0.0118 and 0.0097, resp. In (2) at p_H 2.7 the loss was 30.0 g. per sq. m., at p_H 3.9, 8 g. per sq. m. (pit factors 0.033 and 0.088, resp.). In (3) at p_H 2.7 the loss was 22.0 g. per sq. m. and at p_H 5.7, 2 g. per sq. m. In these expts. carried out with a p_H which decreased at the end of the expt. as well as in expts. carried out with a const. p_H the velocity of soln. is proportional to the acidity, *i. e.*, the higher the acidity the more metal is dissolved. The highest corrosion is observed for a p_H of 1.5-3.5, and the degree of corrosion is dependent on the concn., temp., final and initial p_H. The metal dissolved by corrosive action reacts with the ext. and affects its tanning and diffusion properties. A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

Core and mold oil. L. Ya. Reznik. Russ. 50,408, Jan. 31, 1937. The residue from the distn. of alc. from fermented sulfite cellulose lye is treated, while still boiling, with an alkali metal carbonate at p_H up to 9.5, filtered, and the filtrate concd. to 20-5° Bé.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

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7

Molds and cores. B. V. Maksarov and L. Ya. Reznik, Russ. 50,407, Jan. 31, 1937. For molds and cores a binder is composed of phenol and naphthol pitch in combination with bases (lime, caustics, etc.)

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

45612

S/139/62/000/006/023/032
E039/E435

17

21.1920

AUTHORS: Korsunskiy, M.I., Reznik, M.B., Truten', R.M.

TITLE: Possible method of measuring the concentration of ions formed by hydroionization

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Fizika, no.6, 1962, 152-156

TEXT: A stream of ions is injected with a velocity u inside a metallic cylinder to which they transfer their charge and change the potential v of the cylinder. The rate of change of v is determined by means of an electrometer. A simple method is developed for determining the mass spectrum of heavy negative ions and the total quantity of light ions in the flow from a hydro-ionizer of the Mikulin type. It is shown that there are negative ions with masses from 10^{-15} to 10^{-14} g on unit charge and that the mass spectrum is linear over this range. A method is also developed for determining the ratio of the numbers of positive and negative charges $Z = N_+/N_-$ from the limiting value of the potential curve and the mass spectrum, and verified by measurements on the rate of discharge of a metal sphere (10 cm dia) when placed

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

Possible method of measuring ... S/139/62/000/006/023/032
E039/E435

in the stream of ions. A comparison of the rates of discharge of the sphere when charged positively and negatively gives a value of the ratio Z which agrees to within 10% of the value obtained from the mass spectrum. There are 5 figures.

ASSOCIATION: Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina (Khar'kov Polytechnic Institute imeni V.I.Lenin)

SUBMITTED: June 7, 1961

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

TRUFANOVA, Aleksandra Ivanovna; REZNIK, Mikhail Borisovich; TUPIKOV, A.I., red.; PULIN, L.I., tekhn. red.

[Extending the life of metals] Prodlenie zhizni metalla. Tula, Tul'skoe knizhnoe izd-vo, 1960. 110 p. (MIRA 14:5)
(Corrosion and anticorrosives) (Protective coatings)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

KOROBKO, M.I., kand. tekhn. nauk, red.; INOSOV, V.L., red.; OLEPIR, F.F., red.; REZNIK, M.G., red.; PECHUK, V.I., red.; SHUMILOV, K.A., red.; PAVLENKO, V.N., red.

[Complete automation in steelmaking] Kompleksnaia avtomatizatsiia proizvodstva stali. Kiev, In-t tekhn. informatsii, 1963. 198 p. (MIRA 18:6)

1. Ukraine. Gosudarstvennaya planovaya komissiya. Institut avtomatiki.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, M.G., kand. tekhn. nauk; EYDEL'MAN, Ye.Ya., kand. tekhn. nauk

Study of low-temperature oxidation of coals. Sbor. DonUGI no.25:96-121 '62. (MIRA 16:6)

(Coal) (Oxidation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

S/261/62/000/004/001/002
I006/I206

AUTHOR: Reznik, M. G.

TITLE: Application of explosion theory to the problem of ignition of oil deposits in ducts of compressor installations

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 34. Kompressory i kholodil'naya tekhnika, no. 4, 1962, 6, abstract 34.4.48. "Tr. Donetsk. industr. in-ta", v. 38, 1960, 91-102

TEXT: Starting from deduced analytical relations, the character and degree of influence of various factors on the ignition of oil deposits are elucidated. Measures for preventing ignition and explosion in compressor installations are outlined.

[Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

34125
S/124/62/000/001/024/046
D237/D304

11.6000

AUTHOR: Reznik, M. G.

TITLE: Influence of diffusion on the effective velocity of irreversible heterogeneous processes occurring under isothermal conditions

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1962, 82, abstract 1B580 (Tr. Donetsk. industr. in-ta, 1960, 23, 59-70)

TEXT: The theoretical approach is used in studying thermal disintegration of solid fuel with diffusion-kinetic description of the process. Diffusion and kinetic equations for the 1st order reaction are solved simultaneously under a series of simplifying assumptions. The aim is to find concentration distribution of volatile products $C(\rho, \tau)$ inside the particles of solid fuel, assuming constant coefficients of diffusion and initial absence of gaseous phase inside the particles. The equations

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are constructed for the inner ($\rho < R$) and outer ($\rho > R$) problems, when the particle is a sphere of radius R kept at constant temperature. The case considered to be the most interesting is the one when concentration of gaseous products on the surface of the particle is equal to zero, and the solution is sought for its equation

$$\frac{\partial c(\rho, \tau)}{\partial \tau} = D\left[\frac{\partial^2 c(\rho, \tau)}{\partial \rho^2} + \frac{2}{\rho}\frac{\partial c(\rho, \tau)}{\partial \rho}\right] + k_1 e^{-k_2 \tau}, \quad (1)$$

where D--effective coefficient of diffusion, ρ--a coordinate, τ--time, k_1 and k_2--velocity constants of the reaction. The solution of Eq. (1) is obtained by means of Laplace transformation with boundary conditions $C(\rho, 0) = 0$; $\partial C(0, \tau)/\partial \rho = 0$;

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D237/D304

Influence of diffusion...

$C(R, \tau) = 0$; and

$$C(\rho, \tau) = x - \frac{A}{\beta}\left[1 - \frac{R \sin Bi \frac{\rho}{R}}{\sin Bi} e^{-k_2 \tau} + \right. \tag{2}$$

$$\left. + \frac{R}{\rho} \sum_{n=1}^{\infty} (-1)^n \frac{2 \sin \mu_n \frac{\rho}{R}}{\mu_n \left[1 - \left(\frac{\mu_n}{Bi}\right)^2\right]} \exp(-\mu^2 F_0)\right] ,$$

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where x--amount of gaseous products obtained, A--initial mass of reacting substance per unit volume, β--stoichiometric coefficient,

$$Bi = R\sqrt{\frac{k_2}{D}}, \quad F_0 = \frac{k_2\tau}{Bi}, \quad \mu_n^2 = -s_n\frac{R^2}{D},$$

s_n--roots of the equation $s(s + k_2)shaR = 0$, $a = \sqrt{s/D}$.

Solution (2) is investigated in the region of low and high values of the criterium Bi. It was found that the region $Bi < 0.18$ is a kinetic region, while the region $Bi > 0.18$ could be called an inner diffusive. It is deduced that the process is determined by the relation of kinetic and diffusion constant to the size of reacting particle. Accumulation of gases or vapors inside the particle when the process occurs in the diffusive region may

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MAGDESIYEV, Anatoliy Sergeyevich; REZNIK, Mikhail Meylikhovich; MATLIN, I.I., red.; SRIBNIS, N.V., tekhn. red.

[Indicators of search radar stations] Indikatory obzornykh radiolokatsionnykh stantsii. Moskva, Voenizdat, 1963. 125 p. (MIRA 17:1)

(Radar)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

REZNIK, M.V.; KORSUNSKIY, M.I.

Diffusion of mercury atoms into selenium. Izv.vys.ucheb.zav.; fiz. no.3:107-111 '60. (MIRA 13:7)

1. Khar'kovskiy politekhnicheskiy institut im. V.I.Lenina.
(Mercury) (Selenium) (Diffusion)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001444810011-7

24.7700

65957

SOV/58-59-4-8591

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 4, p 172 (USSR)

AUTHORS: Pastushuk, N.S., Litvinova, L.B., Reznik, M.V., Korsunskiy, M.I.

TITLE: Negative Photoconductivity in Thin Films of Selenium with Admixtures of Tellurium

PERIODICAL: Tr. Khar'kovsk. politekhn. in-ta, 1958, Vol 14, pp 111 - 115

ABSTRACT: Having obtained thin films of amorphous Se with an admixture of Te 10^{-5} cm thick by means of evaporation and condensation onto glass backings in a vacuum, the authors then activated them through the action of Hg vapors; whereupon they observed simultaneously positive and negative photoconductivity phenomena in these films. A steady value of light conductivity was established in the presence of dispersed daylight in the course of 15 - 20 minutes, while the relaxation time of the negative photoconductivity turned out to be 12 - 16 hours. (Khar'kovsk. politekhnich. in-t, USSR).

P.A.P.

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