"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYSTUPINSKI, H

1 4

3776

669.55.71 : 620.191.2

Dworzak E., Przystupiński H. Corrosion Properties of ZnAl Alloys. MG

„Własności korozyjne stopów typu ZnAl". Przegląd Mechaniczny. No. 11, 1954, pp. 346—350, 14 figs., 4 tabs.

With a view to effecting savings on scarce non-ferrous metals in industry the ZnAl alloys (mostly of composition Al — 3.5—4%, Cu — — 0.1%, Mg — 0.02—0.05%) are being used. At the Metal Technology Department of the Wrocław Polytechnic investigations have been carried out with the following objects: to establish the rate of corrosion in relation to the quantity of foreign metal present; to investigate the influence of stresses in the alloy on the progress of inter-crystalline corrosion; and to establish the progress of corrosion when the alloy is in contact with Cu, Pb, and cast-iron. It was proved that the foreign matter such as Pb, Sn, Cd decreases the capacity of the alloy to withstand corrosion; Pb, in particular, influences the inter-crystalline corrosion. Investigations carried out with ZnAl4 alloy parts in contact with other metals showed that in every case direct contact with metals such as Pb, Cu and cast-iron increases corrosion, lead being in this case the most injurious of metals. While under mechanical stress, the ZnAl4 alloy submits to corrosion five times more rapidly than under normal working conditions.

Df ①

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

GRYNBERG, Z.; PRZYSUSKI, L.

Case of thrombophlebitis of the splenic vein during renal amyloidosis in primary chronic rheumatism. Polski tygod. lek. 14 no.27:1244-1246 6 July 59.

1. (Z Oddzialu chorob wewnetrznych Szpitala Czerniakowskiego w Wie; kierownik oddzialu: prof. dr med. M. Fejgin)
(ARTHRITIS, RHEUMATOID, compl.) (AMYLOIDOSIS, compl.)
(THROMBOPHLEBITIS, compl.) (PORTAL VEINS, dis.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ADAMSKI, Tadeusz, [illegible], Roza

Isolation of radium from uranium solutions by "synchronized" precipitation with barium chromate. Nukleonika 9 no.9:725-732 '64.

1. Department of Chemical Technology, Institute of Nuclear Research Polish Academy of Sciences, Warsaw.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

JEZOWSKA-TRZEBIATOWSKA,B.; PRZYWARSKA,H.

Oxygen carrying capacity of binuclear rhenium (IV) complex.
Bul Ac Pol chim. 6 no.6:349-354 '58. (EEAI 9:6)
(Potassium chloryrhenates) (Oxygen)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYWARSKA H.

POLAND/Nuclear Physics - Nuclear Power and Technology. C

Abs Jour : Ref Zhur Fizika, No 10, 1959, 22284

Author : Jezowska-Trzebiatowska, B., Bartecki; Chmielowska, M., Przywarska, H., Mikulski, T., Bukietnynska, K., Kakolowicz, W.

Inst : -

Title : Studies on the Chemistry of Sesquivalent and Quadrivalent Uranium in Organic Solvents.

Orig Pub : Nukleonika, 1958, 3, Spec Number, 39-58

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

COUNTRY : Poland 5-9
CATEGORY :

ABS. JOUR. : RZKhim., No. 21 1959, No. 74250

AUTHOR : Jezowska-Trzebiatowska, B. and Przywarska, H.
INST. : Polish Academy of Sciences
TITLE : Kinetics of the Reaction Between Oxochlororhenate (IV) and Molecular Oxygen Catalyzed by Nitrates

ORIG. PUB. : Bull Acad Polon Sci, Ser Sci Chim, Geol et Geograph, 6, No 10, 611-615, LIII-LIV (1959)

ABSTRACT : The kinetics of the addition of molecular O_2 to $[Re_2OCl_{10}]^{4-}$ (I) with the formation of a red peroxide complex $[Re_2O_2Cl_{10}]^{4-}$ (II) in the presence of NO_3^- have been studied in acid medium at 2.5-13° by the colorimetric method. The reaction is reversible; when pure N_2 is passed through the solution obtained, II is converted back to I. The reaction rate is first order in the concentration of I and directly proportional to the concentration of NO_3^-. The activation

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

KOLODZIEJSKI, Jozef; GILL, Stanislaw; PRZYWITOWSKI, Miroslav

Tanning compounds in the several morphological parts of Rumex crispus L. Farmacja Pol 19 no.3:47-50 10 F '63.

1. Katedra Farmakognozji, Akademia Medyczna, Gdansk.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYSZCZYPKOWSKI, A.

Detergent for removing grease, soot, and rust stains from hands. A. Przyszczypkowski and M. Krzyżakowa (Zakład Przemysłu Kosmetycznego GIPRiS, Warsaw). *Prace Głównego Inst. Przemysłu Rolnego i Spożywczego* 3, No. 3, 43-50(1954).—Subjective testing of several products in factories, involving washing very soiled hands, indicates the preference is for paste products. A typical compn. of such a preferred product is: [illegible] % of a soap made from fatty grease (i.e. 16% fatty acids), 41% of a mech. abrasive, 8% solvents, half of which are tech. turpentine oils, 5% H_2O, and 6% of an agent which makes the skin smooth, like glycerol or lanolin. —Werner Jacobson

CH

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

TUROWSKI, Janusz; PRZYTULA, Andrzej

Propagation of equiphase fluxes in three-winding transformers. Elektryka Lodz no.8:91-114 '61.

1. Department of Electric Machines and Transformers, Technical University, Lodz.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ACCESSION NR: AT 4038892 P/2538/61/000/009/0041/0063

AUTHOR Lipinski, Andrzej (Lipin'ski, Andzhey); Przytula, Marian (Pshitula, Mariyan); Szymanski, Aleksander (Shiman'ski, Aleksander)

TITLE: Certain questions relating to the project of a double-surge neutron counter

SOURCE: Lodz. Uniwersytet. Zeszyty naukowe. Seria II. Nauki Matematyczno-przyrodnicze, no. 9, 1961. Projektowanie i budowa akceleratora jonowego (Design and construction of an ion accelerator), 41-63

TOPIC TAGS: double-surge neutron counter, fast neutron, gamma-background isolation, retardation probability, absorption probability, coincidence probability, accidental coincidence, liquid scintillator, pulse amplitude distribution

ABSTRACT: In investigations of the phenomena produced by fast neutrons an important role is played by the detector upon which largely depends the accuracy with which a given measurement can be made and even whether a given effect is measurable. A good detector must have a high neutron-counting efficiency, must not react to other kinds of radiation and must permit determination of the neutron energy. The time-of-flight method permits very accurate determination of

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ACCESSION NR: AT 4038892 P/2538/61/000/009/0041/0063

AUTHOR Lipinski, Andrzej (Lipin'ski, Andzhey); Przytula, Marian (Pshitula, Mariyan); Szymanski, Aleksander (Shiman'ski, Aleksander)

TITLE: Certain questions relating to the project of a double-surge neutron counter

SOURCE: Lodz. Uniwersytet. Zeszyty naukowe. Seria II. Nauki Matematyczno-przyrodnicze, no. 9, 1961. Projektowanie i budowa akceleratora jonowego (Design and construction of an ion accelerator), 41-63

TOPIC TAGS: double-surge neutron counter, fast neutron, gamma-background isolation, retardation probability, absorption probability, coincidence probability, accidental coincidence, liquid scintillator, pulse amplitude distribution

ABSTRACT: In investigations of the phenomena produced by fast neutrons an important role is played by the detector upon which largely depends the accuracy with which a given measurement can be made and even whether a given effect is measurable. A good detector must have a high neutron-counting efficiency, must not react to other kinds of radiation and must permit determination of the neutron energy. The time-of-flight method permits very accurate determination of

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ACCESSION NR: AT4038892

neutron energy, but is insensitive to other kinds of radiation; it is rather efficient, but requires a pulsing neutron source. The pulse-shape method permits isolation of the gamma background when neutron recording is quite efficient; but measurement of neutron energy is inaccurate and impossible in the case of a continuous spectrum. The double-surge method provides very high efficiency and isolation of the gamma background. While the measurement of electron energy is considered to be burdened by an error resulting from the method itself, it can be determined by this method, according to N. Hayes Bell, Jr., "Liquid Sci. Count, New York 1958, and J. Leiss, National Bureau of Standards, NBS-TN-10. The authors have therefore continued to apply it. The program for building an accelerator in the Plant (Zaklad) of Experimental Physics of Lodz University includes construction of a double-surge counter. The present paper is the result of certain considerations and computations made in designing the above-mentioned detector. It describes the principle of action of the counter (first and second surge); discusses the probability of retardation-- only the order of magnitude, since a theory of retardation with capture is lacking for variable effective cross-sections --, the probability of absorption and the probability of concidence; also problems connected with the determination of neutron energy, and accidental coincidences; and details the preparatory work on suitable liquid scintillators

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ACCESSION NR: AT4038892

and the electronic system designed to: 1) find the distribution of the amplitudes of the pulses obtained from the photomultiplier; 2) select from among them only those accompanied by a pulse produced by the second surge. Most of the computations are contained in six "postscripts", occupying the second half of the article and dealing with the above-mentioned probabilities, etc.: e.g. computation (approximate) of the loss of hot neutrons caused by leakage beyond the area of the scintillator. Orig. art. has: 8 figures, 2 tables and 59 formulas.

ASSOCIATION: Katedra Fizyki Doswiadczalnej Uniwersytetu Lodzkiego Lodz (Chair of Experimental Physics of Lodz University)

SUBMITTED: 00 DATE ACQ: 18Jun64 ENCL: 00

SUB CODE: NP NO REF SOV: 004 OTHER: 019

Card 3/3

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

L 39650-65 EWP(e)/EWT(m)/EPF(c)/EPF(n)-2/EWG(m)/EPR/EWP(t)/EWP(b)/EWA(h) Pr-4/
Ps-4/Pu-4 IJP(c) JD
ACCESSION NR: AT5005433 P/2538/64/000/017/0079/0082

AUTHOR: Braun, R.; Lipinski, A. (Lipinskiy, A.); Malecki, H. (Maletskiy, Kh.); Przytula, M. (Pshytula, M.)

49
48
B+1

TITLE: Detector of fast neutrons with a moderator

19 19

SOURCE: Lodz. Uniwersytet. Zeszyty naukowe. Seria II. Nauki matematyczno-przyrodnicze, no. 17, 1964. Fizyka, 79-82

TOPIC TAGS: scintillation detector, detector, fast neutron detector, moderator, scintillator, zinc sulfide, boron, plexiglas, plexiglas moderator, photomultiplier tube, discriminator, amplifier, pulse light flash

ABSTRACT: A scintillation detector (see Fig. 1 of the Enclosure), consisting of a scintillator from silver-activated zinc sulfide and boron sinter, a plexiglass moderator, and two photomultiplier tubes, is described. Five layers of sinter 1 mm in thickness are inserted between the six plates of plexiglas, and neutrons falling perpendicularly to the plates are slowed down in the plexiglas. The slowing down takes place also in an additional moderator 16 mm in thickness placed in front of the detector. A 16 mm plexiglas layer placed behind the detector serves as a neutron reflector. Light flashes in the zinc sulfide produced by alpha par-

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L 39650-65

ACCESSION NR: AT5005433

ticles from the reaction of the slowed-down neutrons are recorded by two photomultiplier tubes. This setup is advantageous in that a small number of photomultiplier tubes can record light flashes from a large surface. The pulses from the photomultiplier tubes are transferred first to simple cathode followers and then to a 20-meter concentric cable connected to an amplifier, discriminator, and computer. At 100 cm^2 of active detector surface the efficiency for neutrons from a Po-Be source amounts to about 5%. Detector sensitivity to gamma and x-ray radiation is negligible under these conditions. Orig. art. has: 5 figures.

ASSOCIATION: Katedra Fizyki Doswiadczalnej Uniwersytetu Lodzkiego (Experimental Physics Department, Lodz University)

SUBMITTED: 00 ENCL: 01 SUB CODE: EC, NP

NO REF SOV: 001 OTHER: 000

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

LIPINSKI, Andrzej; PRZYTULA, Marian; SZYMANSKI, Aleksander

Certain problems concerning the design of a neutron counter with double pulse scintillation. Nauki matem przyrod Lodz no.9:41-63 '61.

1. Katedra Fizyki Doswiadczalnej, Uniwersytet, Lodz.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

L 37231-66 EWP(j)/T IJP(c) RM

ACC NR: AT6018309 SOURCE CODE: PO/2538/65/000/019/0031/0033

AUTHOR: Czepelska-Sulkowska, B. -- Chepel'ska-Sul'kovska, V.; Lipinski, A. -- Lipini'ski, A.; Przytula, M. -- Pshitula, M.

ORG: Department of Experimental Physics, Lodz University (Katedra Fizyki Doswiadczalnej Uniwersytetu Lodzkiego)

TITLE: A double-pulse neutron detector with a plastic scintillator

SOURCE: Lodz. Uniwersytet. Zeszyty naukowe. Seria II. Nauki matematyczno-przyrodnicze, no. 19, 1965, 31-33

TOPIC TAGS: scintillator, neutron detector, gamma radiation, coincidence counting

ABSTRACT: The article is a continuation of a previous work on a double-pulse neutron detector (Lipinski, A., Przytula, M., Szymanski, A., 1961, ZNUL, Seria II, No. 9, 41-63). The liquid scintillator used in the previous model is replaced in this case by a plastic sintillator 3.2 cm square covered with a layer of silver-activated zinc sulfide with boron about 1 mm thick. A fast neutron impinging of this detector generates two pulses. The first pulse is due to recoil protons in the plastic scintillator and the second takes place in the zinc sulfide layer as the result of an α-particle from the reaction $^{10}B(n, \alpha)\,^{7}Li$. The delayed coincidence method is used for measuring the time distribution of the second pulses with respect to the first in

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ACC NR: AT6018309

a Po-Be neutron source. The maximum count in this case corresponds to a delay of 6 μsec. A curve is also given showing the delay coincidence of a Co^{60} source of γ-rays. A comparison of the two curves shows that the delayed coincidence method may be used for discrimination of the γ-ray background. The results of the neutron spectrum measurements are not given since the sample is too small to be statistically reliable. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 000

Card 2/2 MLP

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

LIPINSKI, Andrezej; PRZYTULA, Marian; SZYMANSKI, Aleksander

Certain problems concerning the design of a neutron counter with double pulse scintillation. Nauki matem przyrod Lodz no.9:41-63 '61

1. Katedra Fizyki Doswiadczalnej, Uniwersytet, Lodz.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTULA, Piotr

Management of vulvar edema in pregnancy. Gin.polska 30 no.5:605-610 S-O '59.

1. Miejski Szpital Ginekologiczno-Polozniczy w Warszawie Ordynator: doc. dr med. P. Przytula.
(PREGNANCY compl)
(VULVA dis)
(EDEMA in pregn)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTUŁA, Piotr; MUSIEWICZ, Leszek

A case of carcinoma granulosc-cellulare ovarii treated successfully with cytostatics and surgery. Wiad. lek. 18 no.12:1021-1024 15 Je 1965.

1. Z Kliniki Położnictwa i Chorob Kobiecych Instytutu Matki i Dzicka w Warszawie (Kierownik: prof. dr. med. J. Jesinski).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTULA, Piotr

Observations on some clinics and hospitals in North America.
Pol.tyg.lek. 18 no.42:1576-1577 14 0'63.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTULA, Piotr

Transient pregnancy eclampsia. Gin. polska 27 no.6: 757-759 Nov-Dec 56.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Inst. Matki i Dziecka w Warszawie. Kier. Kliniki: doc. dr. J. Lesinski, Warszawa, Madalinskiego 25.
(ECLAMPSIA, case reports
transient, in twin pregn. (Pol))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTULA, Piotr

Acidosis in pregnancy and its treatment. Polski tygod. lek. 11 no.46:1955-1961 12 Nov 56.

1. (Z Kliniki Poloznictwa i Chorob Kobiecych Instytutu Matki i Dziecka w Warszawie; Dyrektor: prof. F. Groer, Kierownik: doc. J. Lesinski).
(PREGNANCY TOXEMIAS, complications, acidosis, ther. (Pol))
(ACIDOSIS, in pregnancy, in toxemias, ther. (Pol))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTULA, Piotr.

Alkaline reserve of the blood in eclamptic uremia in pregnancy. Gin. polska 27 no.1:95-98 1956.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Instytutu Matki i Dziecka w Warszawie. Dyrektor Instututu: prof. dr F. Groer. Kierownik Kliniki: doc. dr J.Lesiński. Warszawa, Akademicka 3 m 36.

(PREGNANCY, complications,
eclamptic uremia, blood alkaline reserve (Pol))
(UREMIA, in pregnancy,
eclamptic, blood alkaline reserve (Pol))
(ACID BASE EQUILIBRIUM,
alkaline reserve of blood in eclamptic uremia (Pol))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTULA, Piotr.

Clinical symptoms and management in late pregnancy toxemias.
Gin. polska 28 no.2:227-234 Mar-Apr 1956.

1. Warszawa, ul. Akademicka 9, m. 36.
(PREGNANCY TOXEMIAS
in late pregn., diag., etiol., & ther. (Pol))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

L 4299-66 EWP(t)/EWP(b) IJP(c) JD

ACC NR: AP5028633 SOURCE CODE: PO/0046/65/010/003/0155/0163

AUTHOR: Przytycka, Roza--Pshitytska, R.

15
B

ORG: Institute for Nuclear Research, Warsaw (Instytut Badan Jadrowych); Enterprise of Chemical Technology (Zaklad Technologii Chemicznej)

TITLE: Some aspects of three methods of radium determination

SOURCE: Nukleonika, v.10, no. 3, 1965, 155-163

TOPIC TAGS: radium, analytic chemistry

ABSTRACT: Three methods of determination of radium were compared: the direct, rapid method by means of coprecipitation of radium with a carrier of barium chloride or barium sulfate; the emanation method using ionization chambers and a rotating electrometer; and the emanation method using scintillation flasks, a photomultiplier, and a counting circuit. It was found that the last method is the most convenient and gives the best accuracy. The author expresses thanks to technicians Mirian Brzozowski and Bogdan Zukowski for assistance with carrying out some of the experiments. Orig. art. has: 5 figures, 1 formula. [NA]

SUB CODE: IC, GC, NP / SUBM DATE: none / ORIG REF: 004 / OTH REF: 009
SOV REF: 005

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 7994.

Author : Minczowski, Jerzy., Przytycka, Roza., Kohman, Lucja.

Inst : Not given.

Title : Potentiometric Determination of Small Amounts of Hexavalent Uranium in Uranium Dioxide.

Orig Pub: Chem. analit., 1958, 3, No 1, 27-32.

Abstract: For determination of small amounts of U (6+) in UO_2 use is made of the method of potentiometric titration with a solution of $Ti_2(SO_4)_3$. To 4-5 g UO_2 in a Pt-dish are added 10 ml concentrated HF, 30 ml water, and the mixture is heated until there is formed a green precipitate (UF_4) containing no black particles (in the course thereof

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 7994.

Abstract: UO_3 is converted to the soluble UO_2F_2). Thereafter the contents of the dish are diluted with water to 100 ml, 10 ml of the resulting solution are transferred to the potentiometric titration cell (with Pt- and Hg_2Cl_2-electrodes), 10 ml water and 3 g Rochelle salt are added (to get a sharper jump in potential at titration end-point), the electric heater is switched on and the temperature is raised to 70° (to accelerate attainment of steady potential) and at this temperature titration is carried out with approximately 0.05 N solution of $Ti_2(SO_4)_2$ in 4 N H_2SO_4. To remove O_2 and also to stir the solution CO_2 is passed into it. The results so obtained show

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 7994.

Abstract: good reproducibility but are characterized by a positive error (on the average + 3%). Use of H_2SO_4 for dissolving the sample results in analysis data which are much too high, but addition of the acid to the prepared solutions does not affect accuracy of the results. -- A. Nemodruk.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTYCKA, R

PRZYTYCKA, R; MALINOWSKA, S. WIRECKA, E.

Synthezing 2-methoxy-5 chlorobenzoic acid and its ester, p. 663. (ROCZNIKI CHEMII, Warszawa, Vol. 28, no. 4, 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

Przytycka, R.

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547.583.1-261.07

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Przytycka R., Malinowski S., Wirecka E. Synthesis of ~~2-Methoxy-5-Chlorobenzoic Acid and Its Ester.~~ 2H

„Otrzymywanie kwasu 2-metoksy-5-chlorobenzoesowego oraz jego estru". Roczniki Chemii (PAN). No. 4, 1954, pp. 663—666.

2-methoxy-5-chlorobenzoic acid was synthetised as follows: by reduction of 2-nitro-4-chloroanisole with iron and hydrochloric acid, 2-amine-4-chloroanisole was obtained. This compound by the Sandmeyer reaction was transformed to 2-methoxy-5-chlorobenzonitrile, which was further hydrolized by heating in a water-alcohol solution of sodium hydroxide giving 2-methoxy-5-chlorobenzoic acid. By heating this acid in an excess of ethanol in the presence of sulphuric acid the corresponding ester was obtained.

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L 41979-65 EWT(m)/EPF(n)-2/EWP(t)/EWP(b) Peb/Pu-4 DIAAP/IJP(c) JD/WW/JG

ACCESSION NR: AP5012524 PO/0046/64/009/009/0725/0732

25
23
B

AUTHOR: Adamski, Tadeusz; Przytycka, Roza (Pshitytska, R.)

TITLE: Isolation of radium from uranium solutions by "synchronized" precipitation with barium chromate

SOURCE: Nukleonika, v. 9, no. 9, 1964, 725-732

TOPIC TAGS: radium, uranium, barium, chromate, chemical separation, chemical precipitation

Abstract: The article describes the method of "synchronized" precipitation for isolating radium from uranium solutions. The experiment was performed by neutralizing acid uranium solutions with sodium acetate in air, then adding potassium chromate and barium chloride. The sediment was centrifuged, filtered, washed and dried. Its characteristics were determined and its grain structure analyzed by microscopic photography. The results of measurements are tabulated and plotted showing the effect of barium on the efficiency of

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be obtained in pure condition directly from the uranium ore leaches.

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ACCESSION NR: AP5012524

"The authors are very much indebted to Mr. B. Zukowski for technical assistance."
Orig. art. has 8 figures, 2 graphs, and 6 tables.

ASSOCIATION: Department of Chemical Technology, Institute of Nuclear Research, Warsaw

SUBMITTED: 19Nov63 ENCL: 00 SUB CODE: MM, GC

NO REF SOV: 004 OTHER: 021 JPRS

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ADAMSKI, Tadeusz; PRZYTYCKA, Roza

A contribution to the studies on the coprecipitation of radium. Rocz chemii 36 no.3:561-562 '62.

1. Zaklad Technologii Chemicznej, Instytut Badan Jadrowych, Warszawa.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYTYCKA, ROZA

Synthesis of 2-methoxy-5-chlorobenzoic acid and its ethyl ester. Róża Przytycka, Stanisław Malinowski, and Elżbieta Wirecka (Inst. Technol., Warsaw). *Roczniki Chem.* 28, 663-6(1954) (English summary).—Reduction of 2,4-$O_2N(Cl)C_6H_3OMe$ with Fe and HCl gave 71% 2,4-$H_2N(Cl)C_6H_3OMe$, which treated with $NaNO_2$ and HCl, and then with $Cu_2(CN)_2$ gave 82% *3,5-MeO(Cl)C_6H_3CN* (I), m. 99-100° (from alc.). Heating I in a water-alc. soln. of NaOH gave 51% *2,5-MeO(Cl)$C_6H_3CO_2H$*, m. 77-9° (from alc.), which heated in an excess of EtOH in the presence of H_2SO_4 gave 58.8% *2,5-MeO(Cl)$C_6H_3CO_2Et$*, m. 98-100° (from EtOAc).

P. Dreyfuss

CH

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

GALECKI, Wladyslaw; EYLMES, Zygmunt; PRZYWARA, Stanislaw

Attempted evaluation of electrosurgical therapy of malignant tumors of the maxilla. Pol. tyg. lek. 19 no.44:1691-1693 N 2'64

1. Z Oddzialu Chirurgicznego Instytutu Onkologii, Oddzialu w Gliwicach (Kierownik Oddzialu Chirurgicznego: dr. med. W. Galecki).

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PRZYWARSKA, H.

Distr: 4E3b/4E2c/4E3c 2 cys/4E3d

The peroxy compounds of rhenium. B. Jezowska-Trzebiatowska and H. Przywarska (Univ. Wroclaw, Poland). *Congr. intern. chim. pure et appl., 16e, Paris* 1957, *Mem. sect. chim. minerale* 843-51(Pub. 1958); cf. *C.A.* 52, 147a.— Oxidn. of μ-oxochlororhenate with iodate, bromate, or other agents yields the red peroxy anion $(Re_2O_2Cl_{10})^{4-}$, stability const. 1.02×10^{14}. Salts of the anion with Cs, Rb, and quinoline were prepd. and the paramagnetism of the quinoline salt was measured. The mole ratios of oxidant to μ-oxochlororhenate are 2:1 for all except H_2O_2 which has a 3:1 ratio because of a coördination complex with H_2O_2 as an intermediate; oxidn. with H_2O_2 or air in the presence of a nitrate catalyst is slower than the action of other oxidants. The peroxy anion decomps. readily on standing to the μ-oxochlororhenate, and is probably best described as a pseudoperoxide. J. P. Phillips

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

Przywarska, H.

Peroxy complexes as intermediate states in the electron-transfer reaction. B. Jezowska-Trzebiatowska and H. Przywarska. *Bull. acad. polon. sci., Classe III*, 3, 429-32(1955)(in English); cf. *C.A.* 48, 13518*b*; 47, 9843*i*.—The oxidizing action of H_2O_2 on $K_4[Re_2OCl_{10}]$ was studied by optical-d. measurements on the blood-red solns. formed. Plots of optical d. *vs.* the mol. ratio of $K_4Re_2OCl_{10}$ to H_2O showed peaks at a ratio of 1/3 at 470, 500, 530, and 570 mμ. Solns. contg. const. amts. of H_2O_2 and varying amts. of $K_4Re_2OCl_{10}$ showed max. optical d. at a ratio of 1/3; thus only a single complex (I) exists in soln. Increase in the ratio caused a gradual decrease in optical d., suggesting that I reacts with excess $K_4Re_2OCl_{10}$ and undergoes decompn. At const. H_2O_2 and increasing $K_4Re_2OCl_{10}$ concns. the optical d. became const. at a ratio of 1/3; further addn. of H_2O_2 caused no further change and corresponded to complete binding of $[Re_2OCl_{10}]^{4-}$ (Ia). The stability const. of I is 1.02×10^{14}. Salts corresponding to the following compns. were pptd. from solns. of max. extinction: (quinoline-H)$_4$-$[Cl_4ReO_2ReCl_4]$ (II), and $Cs_2H[Cl_4ReO_2ReCl_4]$ (III). The quadrivalent state of Re was established by oxidation of II and III with excess Fe alum, followed by MnO_4^- titration. In both cases approx. 2 equivs. of MnO_4^- were required/g.-atom of Re. I gave Ia reversibly, indicating that 2 bridging O atoms act as oxidizing agents. This is supported by the fact that the soln. of K_4ReOCl_{10} with H_2O_2 (in 1/3 mol. ratio) required approx. 6 equivs. of MnO_4^-/g.-atom of Re at max. extinction. II and III dissolved in acid solns. giving the characteristic red solns., which turned yellow, reversibly, on raising the pH above 2.2. This may be related to the equil.: $[Re_2O_2Cl_{10}]^{4-}$ (yellow) + $4H^+ \rightleftharpoons H_4[Re_2O_2Cl_8]$ (red). The solid salts and their acid solns. undergo slow decompn.: $[Re_2O_2Cl_{10}]^{4-} \rightarrow$ Ia + O. Simultaneously an autoxidation-reduction process takes place in which the O acts as the oxidizing agent, and the Re atoms act as the reducing agent. $K_4Re_2OCl_{10}$ is diamagnetic, owing to spin coupling between paramagnetic Re nuclei. II is paramagnetic (moment = 3.5 Bohr magnetons), indicating less spin coupling due to increased distance between the Re atoms through the peroxide linkage. It is concluded that in soln. a complex is formed: $H_4[Re_2OCl_{10}] + 3H_2O_2 \rightarrow H_4[Re_2O_2Cl_{10}].2H_2O_2 + H_2O$. Two mols. of H_2O_2 can be joined by H linkage with O atoms of the peroxide bridge. In the solid state, however, there exists only 1 peroxide bridge, which slowly absorbs electrons and thus causes an increase in the Re oxidation state. The role of the bridging atoms presumably is the same for the complexes in soln.

Rip G. Rice

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

JEZOWSKA-TRZEBIATOWSKA, B.; PRZYWARSKA, H.

The acid base and structural equilibria in binuclear rhenium (IV) complexes. Bul chim PAN 9 no.11:679-684 '61.

1. Institute of Physical Chemistry, Wroclaw Branch, Polish Academy of Sciences. Presented by W. Trzebiatowski.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

Przywarska H.

Distr: 4E2c(j)

Chemistry of sexivalent and quadrivalent uranium in organic solvents. B. Jeżowska-Trzebiatowska, A. Bartecki, M. Chmielowska, H. Przywarska, T. Mikulski, K. Bukietyński, and W. Kąkolewicz (Univ., Wrocław, Poland). *Nukleonika* 3, Spec. No., 39-58(1958)(in English).—Solns. of uranyl nitrate (I) and of UCl_4 were investigated by conductometric and spectrophotometric measurements. Low conductivities of I were found. The Fuoss equation for ionic triplets was fitted satisfactorily but in a limited concn. range. Ion pairs $[(UO_2NO_3^+)NO_3^-]$ at higher concns. and ionization at lower concns. have to be assumed. The ionization consts. for the ion pairs and triple ions were estd. as 1.1×10^{-4} and 3.45×10^{-3} in acetone, and as 1.28×10^{-4} and 4.03×10^{-3} in EtOH. Absorption spectra were detd. in the range of 360 to 500 mμ. Wave lengths (in mμ) and molar extinction coeffs. at max. absorption) were, in H_2O: 485, 0.4; 468.2, 0.95; 455, 1.6; 438.2, 3.8; 426.5, 7.2; 414.2, 8.96; 403.2, 7.9; 389, 5.8; 382, 3.4; 366, 3.0; in acetone: 485, 0.48; 468.2, 4.11; 452, 6.4; 439, 9.54; 425.6, 11.13; 414.2, 10.3; 400, 8.4; 393.2, 5.5; 382, 3.1; 361.5, 3.5; in methyl ethyl ketone: 485, 0.66; 468.2, 3.55; 453, 5.88; 439, 8.79; 425.6, 10.35; 414.2, 9.65; 406, 8.0; 393.5, 5.3; 382, 2.9; 362, 3.4; in methyl isobutyl ketone: 485, 0.69; 468.2, 3.88; 452, 5.47; 437.8, 8.85; 425.6, 10.0; 416, 9.5; 400, 7.8, 393.2, 5.2; 381.5, 3.0; 363.6, 3.0; in dioxane: 488, 0.22; 468.2, 1.1; 453, 2.6; 438, 5.8; 425.6, 7.74; 417, 8.2; 406.5, 7.2; 392.5, 4.6; 377, 2.92; 363.6, 3.0; in formamide: 478, 4.8; 461, 6.21; 446.5, 16.0; 435, 26.8; 423.2, 29.85; 412.5, 24.8; 400, 16.2; 387.5, 9.67; 371.1, 8.27; 360.9, 9.6; in tributyl phosphate: 488, 0.63; 470, 1.71; 453, 3.54; 439, 6.61; 427, 8.82; 416, 9.74; 402.6, 8.14; 390, 5.25; 378.9, 3.2; 363.6, 3.0; in MeCN: 481, 0.49; 468.2, 4.14; 452, 7.09; 437.8, 8.3; 425.6, 9.69; 412.2, 9.21; 402, 7.3; 390, 4.74; 376, 2.78; 363.4, 3.36; and in acetylacetone: 453, 260; and 400, 580. The band was diffuse in H_2O, formamide, acetylacetone, and dioxane, whereas it had a distinct vibrational structure in ketonic solvents. Changes of absorption at 450-530 mμ with concn. of I in EtOH-acetylacetone mixts. established the existence of the 1:1 complexes and indicated the existence of 2:3 complexes of UO_2^{++} and acetylacetone. Similar investigations established the existence of 1:1 complexes of I with mono-, di-, and tributyl phosphates, and with mono- and diamyl phosphates. Yellow $UO_2BuPO_4.2H_2O$, soly. product const. 10^{-10} in water, and a 1:2 complex, $UO_2(Bu_2PO_4)_2.2H_2O$ were pptd. Kinetics of gaseous O uptake by I was studied in solns. in H_2O-satd. isoamyl ether exposed to ultraviolet radiation. $UO_4.2H_2O$ was detd. by oxidimetric titration with Mohr's salt. The rate const. was 1.52×10^{-6} (moles/l.)$^{1/2}$/min. at 25°. The mechanism is discussed and it is suggested that ether mols. are excited first, and then UO_2^{++} reacts with org. peroxides. Absorption spectra of UCl_4 were detd. in org. solvents. Max. absorption bands were at the following wave lengths (wave length in mμ and molar extinction coeffs. given). In MeOH: 410, 9.0; 430, 11.0; 450, 13.4; 505, 8.7; 530, 6.4; and 625, 212.2; in tributyl phosphate: 415, 5.0; 455, 30.1; 495, 14.2; 555, 8.8; 595, 9.0; and 670, 29.3; in triamyl phosphate: 415, 11.2; 455, 19.8; 495, 11.2; 555, 7.5; 595, 6.8; and 670, 16.7. Absorption spectra at 440-650 mμ of UCl_4 in MeOH-tributyl phosphate mixts. established the existence of the 1:1 complex with phosphate, for which log K = 3.13. I. Strecki

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

JEZOWSKA-TRZEBIATOWSKA, B.; Przywarska, H.

Kinetics of the reaction between oxochlororhenate (IV) and hydrogen peroxide. Bul Ac Pol chim. 6 no.6:345-348 '58. (EEAI 9:6)

1. Department of Inorganic Chemistry, Wroclaw University. Institute of Physical Chemistry, Polish Academy of Sciences. Presented by W. Trzebiatowski.
(Clororhenates) (Hydrogen peroxide)

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JEZOWSKA-TRZEBIATOWSKA, A; PRZYWARSKA, H.

Kinetics of the reaction between oxochlororhenate (IV) and molecular oxygen catalyzed by nitrates. Bul Ac Pol chim 6 no.10: 611-615 '58. (EEAI 9:6)

1. Department of Inorganic Chemistry, Wroclaw University. Institute of Physical Chemistry, Polish Academy of Sciences. Presented by W. Trebiatowski.

(Chlororhenates) (Oxygen)
(Nitrates) (Catalysts)

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H. Przywarska

5
2 May
2

Distr: 4E3c/4E2c

27

Oxygen-carrying capacity of binuclear rhenium(IV) complex. B. Jeżowska-Trzebiatowska and H. Przywarska (Univ. Wrocław, Poland). *Bull. acad. polon. sci. Ser. sci., Chim., géol. et géograph.* 6, 349-54(1958)(in English).—The reaction of K oxochlororhenate(IV) (I) with oxidizing cations (Ce(IV), Fe(III)), and anions (IO_3^-, BrO_3^-, $Cr_2O_7^{--}$) was examd. by the optical Job method. At the I to O equiv. molar ratio of 1:2, the optical ds. of the solns. became const. when the amt. of I was kept const., whereas they rapidly decreased after reaching a max. when I was added to a const. amt. of one of the oxidizing agents. The unstable red complex (II) yielded I after some 12 hrs. From the II soln., the black Rb salt, the brown-red $Cs_3H(Re_2O_2Cl_{10})$, and a pink quinoline(III) salt, $(III,H)_4Re_2O_2Cl_{10}$, were pptd. The salts decompd. to I (the Rb salt most easily), and dissolved in H_2O or dil. acids with blood-red color. The acid base equil., $(Re_2O_2Cl_{10})^{4-} + H^+ = (Re_2O_2Cl_{10}H)^{3-}$, analogous to that in the system I-H_2O_2, was established. Two mechanisms of II formation are proposed for oxidation with cations and anions. It is concluded that the structure Re:O(O):Re, or ReOORe, or their tautomeric equil. is possible. J. Stecki

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PRZYWARSKA

A.

Kinetics of the reaction between oxochlororhenate(IV) and molecular oxygen catalyzed by nitrates. B. Jeżowska-Trzebiatowska and H. Przywarska (Univ. Wrocław, Poland). *Bull. acad. polon. sci., Ser. sci., Chim., geol. et geogr.* 6, 611-15(1958)(in English); cf. *C.A.* 52, 19663*d*.—The reversible oxidation with gaseous O from air, of K oxochlororhenate (I) to the peroxo compd. was studied at 2.5, 12, and 13°. I (10^{-4} mole) was dissolved in 50 ml. 2*N* HCl, about 10^{-5} mole KNO_3 was added as catalyst, the soln. filled with H_2O to 100 ml., and optical ds. at 496 mμ were exaind. at time intervals. The soln. was stirred vigorously in contact with air. Data fitted the equation $dx/dt = k[KNO_3](a - x)^{0.5}a^{0.5}$. Activation energy was 10.62 cal. A 9-stage mechanism is suggested, and the derivation of the kinetic equation is outlined. J. Stecki

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

Distr: 4E2c(j)

Chemistry of sexavalent and quadrivalent uranium in organic solvents. B. Jeżowska-Trzebiatowska, A. Bartecki, M. Chmielowska, H. Przywarska, T. Mikulski, K. Bukietyńska, and W. Kąkolowicz (Univ. Wrocław, Poland). *Nukleonika* 3, Spec. No., 39-58(1958)(in English).—Solns. of uranyl nitrate (I) and of UCl_4 were investigated by conductometric and spectrophotometric measurements. Low conductivities of I were found. The Fuoss equation for ionic triplets was fitted satisfactorily but in a limited concn. range. Ion pairs $[(UO_2NO_3^+)NO_3^-]$ at higher concns. and ionization at lower concns. have to be assumed. The ionization consts. for the ion pairs and triple ions were estd. as 1.1×10^{-4} and 3.45×10^{-5} in acetone, and as 1.28×10^{-4} and 4.03×10^{-5} in EtOH. Absorption spectra were detd. in the range of 360 to 500 mμ. Wave lengths (in mμ) and molar extinction coeffs. at max. absorption, were, in H_2O: 485, 0.4; 468.2, 0.95; 455, 1.6; 438.2, 3.8; 426.5, 7.2; 414.2, 8.96; 403.2, 7.9; 389, 5.8; 382, 3.4; 366, 3.0; in acetone: 485, 0.48; 468.2, 4.11; 452, 6.4; 439, 9.54; 425.6, 11.13; 414.2, 10.3; 406, 8.4; 393.2, 5.5; 382, 3.1; 361.5, 3.5; in methyl ethyl ketone: 485, 0.06; 468.2, 3.55; 453, 5.88; 439, 8.79; 425.6, 10.35; 414.2, 9.65; 406, 8.0; 393.5, 5.3; 382, 2.9; 362, 3.4; in methyl isobutyl ketone: 485, 0.69; 468.2, 3.38; 452, 5.47; 437.8, 8.85; 425.6, 10.0; 416, 9.4; 406, 7.8; 393.2, 5.2; 381.5, 3.0; 363.6, 3.0; in dioxane: 488, 0.22; 468.2, 1.1; 453, 2.6; 438, 5.8; 425.6, 7.74; 417, 8.2; 406.5, 7.2; 392.5, 4.6; 377, 2.92; 363.6, 3.0; in formamide: 478, 4.8; 461, 6.21; 446.5, 16.0; 435, 26.8; 423.2, 29.85; 412.5, 24.8; 400, 16.2; 387.5, 9.67; 371.1, 8.27; 360.9, 9.6; in tributyl phosphate: 488, 0.63; 470, 1.71; 453, 3.54; 439, 6.61; 427, 8.82; 416, 9.74; 402.6, 8.14; 390, 5.25; 378.9, 3.2; 363.6, 3.0; in MeCN: 481, 0.49; 468.2, 4.14; 452, 7.09; 437.8, 8.37; 425.6, 9.69; 412.2, 9.21; 402, 7.3; 390, 4.74; 376, 2.78; 363.4, 3.36; and in acetylacetone: 453, 260; and 400, 580. The band was diffuse in H_2O, formamide, acetylacetone, and dioxane, whereas it had a distinct vibrational structure in ketonic solvents. Changes of absorption at 450–530 mμ with concn. of I in EtOH–acetylacetone mixts. established the existence of the 1:1 complexes and indicated the existence of 2:3 complexes of UO_2^{++} and acetylacetone. Similar investigations established the existence of 1:1 complexes of I with mono-, di-, and tributyl phosphates, and with mono- and diamyl phosphates. Yellow $UO_2BuPO_4.2H_2O$, soly. product const. 10^{-10} in water, and a 1:2 complex, $UO_2(Bu_2PO_4)_2.2H_2O$ were pptd. Kinetics of gaseous O uptake by I was studied in solns. in H_2O-satd. isoamyl ether exposed to ultraviolet radiation. $UO_2.2H_2O$ was detd. by oxidimetric titration with Mohr's salt. The rate const. was 1.52×10^{-5} (moles/l.)^2/min. at 25°. The mechanism is discussed and it is suggested that ether mols. are excited first, and then UO_2^{++} reacts with org. peroxides. Absorption spectra of UCl_4 were detd. in org. solvents. Max. absorption bands were at the following wave lengths (wave length in mμ, and molar extinction coeffs. given): In MeOH: 410, 9.0; 430, 11.0; 450, 13.4; 505, 8.7; 530, 6.4; and 625, 212.2; in tributyl phosphate: 415, 5.0; 455, 30.1; 495, 14.2; 555, 8.8; 595, 9.0; and 670, 29.3; in triamylphosphate: 415, 11.2; 455, 19.8; 495, 11.2; 555, 7.5; 595, 6.8; and 670, 16.7. Absorption spectra at 440–650 mμ of UCl_4 in MeOH-tributyl phosphate mixts. established the existence of the 1:1 complex with phosphate, for which log K = 3.13. J. Stecki

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Przywarska, H.

POLAND/Inorganic Chemistry - Complex Compounds C

Abs Jour: Referat Zhur - Khim, No. 9, 1959, 30757

Author : Jezowska-Trzebiatowska, B, Przywarska, H.

Inst : Polish Academy of Sciences

Title : Oxygen-Carrying Capacity of Binuclear Rhenium (IV) Complexes

Orig Pub: Bull Acad Polon Sci, Ser Sci Chim, Geol, et Geograph, 1958, No 6, 349-354

Abstract: The authors have made continous spectrophotometric measurements on the reaction of $[Re_2OCl_{10}]^{4-}$ (I) with a number of oxidizers. It has been found that 1 mol of I adds 1 gm-atom of O. The peroxy complex $[Re_2O_2Cl_{10}]^{4-}$ (II) which is formed is unstable and is completely decomposed after 12 hrs; in the course of the

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAKHIS, B. I.

Effect of some drugs on the functioning of the ciliary apparatus of the nasal mucosa in man. Vest. otorin. no.2:28-32 '62. (MIRA 15:2)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. - zasluzhennyy deyatel' nauki prof. A. G. Likhachev) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I. M. Sechenova.

(NOSE) (DRUGS—PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAKHIS, B. I. Cand Med Sci -- "For the problem of certain mechanisms of the protective function of the mucous membrane of the nose." Mos, 1960 (2nd Mos State Med Inst im N. I. Pirogov). (KL, 1-61, [redacted] 210)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAKHIS, B.I.

Free skin graft following a radical operation on the middle ear. Zhur. ush., nos. i gorl. bol. 20 no.6:70-73 N-D '60. (MIRA 15:2)

1. Otorinolaringologicheskoye otdeleniye Kalininskoye gorodskoy bol'nitsy No.1. (SKIN GRAFTING) (EAR--SURGERY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAKHIS, B.I., kand.med.nauk

C-reactive protein in chronic paranasal sinusitis. Trudy KGMI no.10:390-393 '63. (MIRA 18:1)

1. Iz kafedry bolezney ukha, gorla i nosa (ispolnyayushchiy ob"yazannosti zav. kafedroy - kand. med. nauk N.A.Golubev) Kalininskogo gosudarstvennogo meditsinskogo instituta.

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PSAKHIS, B.I.

Some physiological properties of the mucous membrane of the nose and its changes in chronic rhinitis and sinusitis. Vest.otorin. 22 no.5:58-64 S-O '60. (MIRA 13:11)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. - prof. A.G. Likhachev) I Moskvoskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(COLD (PATHOLOGY)) (SINUSITIS)
(MUCOUS MEMBRANE)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAKHIS, B.I.

Effect of certain medicinal substances on the activity of the ciliate epithelium of the esophagus in frogs. Vest. otorin. 22 no.4:38-45 Je-Ag '60. (MIRA 13:12)

(ESOPHAGUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

KLIYENTOVSKIY, Gleb Borisovich; PSAKHIS, Zinoviy Yakovlevich; YEFREMOVA, Ye.V., red.; KARYAKINA, M.S., tekhn.red.

[Automobile models with rubber and spring-actuated engines] Modeli avtomobilei s rezinovymi i pruzhinnymi dvigateliami. Moskva, Izd-vo DOSAAF, 1960. 103 p. (MIRA 13:6)
(Automobile--Models)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAKHIS, Z.Ya.; KLIYENTOVSKIY, G.B.; SUKHANOV, A.P.; YEFREMOVA, Ye.V., red.; BLAZHENKOVA, G.I., tekhn.red.

[Models of racing automobiles] Modeli gonochnykh avtomobilei. Moskva, Izd-vo DOSAAF, 1959. 173 p. (MIRA 13:3)
(Automobiles, Racing--Models)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAKHIS, Z.

PSAKHIS, Z.

The best automobile models. Za rul. 15 no.7:insert: p.2-4 Jl '57.
(Automobiles--Models) (MLRA 10:9)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

DISKIN, Ye.I.; D'YAKOV, A.V.; KLIYENTOVSKIY, G.B.; PSAKHIS, Z.Ya.; SUKHANOV, A.P.; YEFREMOVA, Ye.V., red.; FANSHMIDT, F.Ya., tekhn. red.

[Modeling of automobiles]Avtomobil'nyi modelizm. Pod obshchei red.Z.IA.Psakhisa. [By]E.Diskin i dr. Moskva, Izd-vo DOSAAF, 1962. 391 p. (MIRA 15:10)
(Automobiles—Modeling)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

[illegible], A. [illegible]

Volga-Don Canal

Mass utilization of scrapers in an effective method of executing earth work. Mekh. trud. rab. 6 No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

GORSKIY, A.I.; VELIKOV, T.M.; KLEYNMAN, Ya.M.; PSAK'YAN, P.P.; FEYGELEVICH, M.V.; KHAIMOV, Ye.S.

Automatic and remote control of mining installations. Gor. zhur. no.7:12-19 Jl '56. (MLRA 9:9)

1. Yuvmetallurgavtomatika.
(Mining machinery) (Automatic control) (Remote control)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

FLEYSHMAN, L.Ye.; LISICHENOK, V.S.; VAS'KO, T.P.; PSALOM, P.G.

Production of sugar and yeast from feed molasses. Sakh. prom. 35 no.8:11-16 Ag '61. (MIRA 14:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti (for Fleyshman, Lisichenol). 2. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy promyshlennosti (for Vas'ko, Psalom).

(Sugar manufacture)
(Yeast) (Molasses)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ZABRODSKIY, A.G.; PSALOM, P.G.; POGREBNAYA, V.F.

Obtaining feed yeasts from discard molasses. Spirt.prom. 29 no.2:32-39 '63. (MIRA 16:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti.
(Distilling industries--By-products) (Yeast)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

VAS'KO, T.P.; ZABRODSKIY, A.G [Zabrods'kyi, A.H.]; PSALOM, P.G. [Psalom, P.H.]

Improving the separation sections of the yeast shops in alcohol distilleries. Khar.prom. no.1:31-35 Ja-Mr '62. (MIRA 15:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti.
(Distilleries--By-products) (Yeast)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ZABROMSKIY, A.G.; ESAIOM, I.G.; POGREBNAYA, V.F.

Separation of alcohol fermentation yeasts from molasses stillage. Trudy UkrNIISP no.9:90-99 '64. (MIRA 17:10)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ACC NR: AT7004508 (N) SOURCE CODE: UR/2531/66/000/189/0094/0100

AUTHOR: Fomichev, I. A.; Kurpakov, Yu. A.; Psalomshchikov, V. F.

ORG: None

TITLE: Small thermoprobe for investigating the lower 500-meter layer in the atmosphere

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 189, 1966. Issledovaniye pogranichnogo sloya atmosfery s pomoshch'yu vertoletov i planerov (Investigating the boundary layer of the atmosphere with the aid of helicopters and gliders), 94-100

TOPIC TAGS: temperature instrument, meteorology, measuring instrument, meteorologic instrument, atmospheric probe, lower atmosphere, atmospheric temperature, radiosonde, helicopter, meteorologic balloon

ABSTRACT: The circuitry and principles of operation of a small thermoprobe designed for investigating the temperature regime in the lower 500-meter layer in the atmosphere are reviewed. The thermoprobe is a radio telemetering system consisting of a sensor-thermistor, a radio transmitting device, and a complex of ground receiving and recording equipment. The radio transmitter uses the RKZ-1 radiosonde circuitry, but certain changes have been incorporated to compensate for the absence of a

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ACC NR: AT7004508

pressure switch in the thermoprobe. The KMT-1 thermistor has twice the temperature coefficient of resistivity of the MMT-1 thermistor used in the RKZ-1 radiosonde, and a much lower coefficient of inertia, so that the coefficient of inertia of the temperature-sensitive element is less than 5 seconds. The temperature coefficient of resistivity of the thermistors in the KMT-1 varies between 4.5 and 6% per 1°C, corresponding to an average change in frequency from the measuring oscillator of an order of magnitude of 50 cycles/degree. The measuring oscillator's frequency modulation at 0°C is 1,500 cycles, making the lower limit measured by the thermoprobe -30°C, while there is no upper limit. The unit's radiated frequency is 150 megacycles. Power supply is provided by a set of batteries consisting of one GB-70 plate battery, two FMTs "Saturn" 1.6 volt filament batteries, which also supply the fan motor, and one KBS-L-0.50 battery for supplying the semiconductor multivibrator. The batteries are good for 20 hours of operation. Lift-off weight of the transmitter section, together with batteries, is about 1,000 grams. Ground reception uses a collapsible whip antenna on the receiving-recording equipment, with reliable reception possible over 1,000 to 1,500 meters. The supply from the 127/220 volt AC network is rectified before being fed to the ground equipment. Tests were made and readings compared with those obtained from the M-34 aspiration psychrometer and the A-22-1U radiosonde at the 2 meter level, showing the mean square error in readings for the thermoprobe to be within 0.29° of those obtained with the M-34, and 0.62° of those obtained with the A-22-1U. Improvements can reduce the error in

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ACC NR: AT7004508

measuring temperature with the thermoprobe to ± 0.1°. The conclusions are that the thermoprobe provides temperature measurements accurate to ± 0.2°; that such measurements can be made to within ± 0.1° by utilization of available circuit parameters; that the sounding ceiling can be increased to 20 to 25 kilometers by the use of a super-heterodyne receiver; and that helicopters, gliders, tethered aerostats and balloons can be used for the systematic probing of the lower layer of the atmosphere. Orig. art. has: 2 formulas and 3 figures. [W.A. - N04]

SUB CODE: 04/SUBM DATE: None/ SOV REF: 005

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSALOMSHCHIKOVA, K.I.

Composition of solid hydrocarbons in petroleums and bitumens.
Trudy VNIGRI no.227 Geokhim.sbor. no.9:21-36 '64. (MIRA 18:1)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSALOMSHCHIKOVA, K.I.

Procedure of determining the group composition of hydrocarbons from the oil fraction of bitumens by adsorption chromatography. Trudy VNIGRI no.174:199-209 '61. (MIRA 14:12)
(Hydrocarbons)
(Chromatographic analysis)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

SHISHKOVA, A.P.; PSALOMSHCHIKOVA, K.I.; MASAGUTOVA, D.A.

Characteristics of organic matter in upper and middle Miocene deposits of northeastern Sakhalin and the Shmidt Peninsula. Trudy VNIGRI no.155:12-27 '60. (MIRA 14:1)

(Sakhalin--Petroleum geology)
(Shmidt Peninsula--Petroleum geology)
(Organic matter)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

SHISHKOVA, A.P.; MASAGUTOVA, D.A.; PSALOMSHCHIKOVA, K.I.

Desulfurizing the sulfur compounds of asphaltic and resinous substances of petroleum on Raney nickel. Trudy VNIGRI no.123: 168-174 '58. (MIRA 11:12)
(Petroleum products) (Hydrogenation) (Nickel)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSALOMSHCHIKOVA, K.I.

Determining the molecular weight of asphaltic and resinous substances in petroleums and bitumens. Trudy VNIGRI no.123: 193-201 '58. (MIRA 11:12)
(Molecular weights) (Petroleum products)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

SHISHKOVA, A.P.; PSALOMSHCHIKOVA, K.I.; MASAGUTOVA, D.A.

Method for studying bituminous pitch components in petroleums and other bitumens. Avtoref. nauch. trud. VNIGRI no.17:71-74 '56. (MIRA 11:6)

(Petroleum) (Bitumen)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

Psalomshchikova, K. I.

11(0) PHASE I BOOK EXPLOITATION SOV/1960

Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut

Geokhimicheskiy sbornik, no. 5 (Collected Papers on Geochemistry, Nr 5) Leningrad, Gostoptekhizdat, 1958. (Series: Ikh Trudy, vyp. 123) 1,000 copies printed.

Ed.: Pavel Fedorovich Andreyev; Exec. Ed.: L. Ya. Rusakova; Tech. Ed.: I. M. Gennad'yeva.

PURPOSE: The book is intended for the technical and scientific personnel of institutes and TsNIL (Central Scientific Research Laboratories) of the petroleum industry, and all those interested in the geology and geochemistry of petroleum.

COVERAGE: The book is the fifth issue of the Geokhimicheskiy sbornik (Collected Papers on Geochemistry) and contains articles contributed by VNIGRI staff members (All-Union Scientific Research Institute for Geological Survey) on various aspects of geochemistry. The work is divided into two parts, the first of which consists of 12 articles dealing with the development of theoretical problems in petroleum chemistry. The second part reviews problems connected with the study of organic and mineral crudes. In Part I, A. F. Dobryanskiy posits the low temperature origin of petroleum and rejects the popular claim concerning high temperature origin. The joint work of A. F. Dobryanskiy, P. F. Andreyev, and A. I. Bogomolov directs attention to the uniform phenomena in the composition of crudes that result from spontaneous changes in their substances through geological periods and which occur in full conformance with the basic laws of nature. The article supplements the basic principles developed by A. F. Dobryanskiy ten years ago in his well-known work, "Geokhimiya nefti" (Geochemistry of Petroleum). P. A. Demenkova, L. N. Zakharenkova, and A. F. Kurbatskaya report on the correlation of some microcomponents in the composition of crudes. Their extensive research combined with existing information permits them to draw interesting basic conclusions bearing directly on the origin of crude. Part II contains articles on new chemical, physical, and geochemical studies conducted at VNIGRI in recent years. Among these A. I. Bogomolov and K. I. Panina report on the particular characteristics of the aromatic hydrocarbon structure, which may prove useful for future research and exploration and in solving many genetic problems. I. K. Voronova describes a new method of counting the total number of live bacteria. It may be applied in various microbiological studies. References accompany each article.

Collected Papers (Cont.) SOV/1960

Trenkshina, N. I. Study of the Natural Gases of Carboniferous, Permian, and Devonian Deposits in Some Regions of the Volga-Ural Petroliferous Area 116

Dvali, M. F. Geochemical Studies Connected With Prospecting for Crude Oil 15

Andreyev, P. F. Effective Methods of Studying Kerogen of Sedimentary Rocks 156

Shishkova, A. F., D. A. Mangutova, and K. I. Psalomshchikova. Removal of Sulfurous Compounds From Asphaltic, Tarry Substances of Petroleum With the Aid of the Aene Catalyst 169

Bogomolov, A. I., and K. I. Panina. Structural Group Analysis of Aromatic Hydrocarbon Fractions of Petroleum 175

Andreyev, P. F., M. F. Dvali, and N. P. Silina. New Method of Studying the Dispersed Organic Substance of Rocks 189

Psalomshchikova, K. I. Determining the Molecular Weight of Asphaltic, Tarry Substances of Crudes and Bitumens 193

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSARAS, G.G., inzh.; KOZYREV, P.P., inzh.

Repair of aluminum patterns by arc welding. Svar. proizv. no.1: 33-34 Ja '61. (MIRA 14:1)
(Foundries—Equipment and supplies) (Aluminium—Welding)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ANTONETS, D.P., inzh.; PSARAS, G.G., inzh.

Automatic welding of two-layer steel without preliminary edge preparation. Svar.proizv. no.5:19-21 My '62. (MIRA 15:12)

1. Zhdanovskiy zavod tyazhelogo mashinostroyeniya.
(Laminated metals--Welding)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

S/135/62/000/005/003/007
A006/A101

AUTHORS: Antonets, D. P., Psaras, G. G., Engineers

TITLE: Automatic welding of bi-layer steel without previous bevelling of edges

PERIODICAL: Svarochnoye proizvodstvo, no. 5, 1962, 19 - 21

TEXT: Information is given on the results of an investigation carried out at the Zhdanov Institute of Heavy Machinebuilding together with the Institute of Electric Welding imeni Ye. O. Paton AS UkrSSR, VNIITMASh and UkrNITI, of the automatic welding of 8, 10 and 12 mm thick bi-layer steel 10 + 1Х18Н9Т (1Kh18N9T), without previous bevelling of edges. To assure corrosion resistance of the stainless layer, first the joints on the low-carbon layer and then on the coating layer were welded. The initial weld was produced with СВ-12ГС (Sv-12GS) wire on a flux pad. The separating layer was welded with one electrode from the side of the alloyed metal with СВ-06Х25Н12ТЮ (Sv-06Kh25N12TYu) wire 3 mm in diameter, under AN-26 flux, on d-c of reverse polarity. The wire contains in %: up to 0.08 C; 0.6 - 1.0 Si; up to 0.8 Mn; 24.0 - 26.0 Cr; 11.5 -

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13.5 Ni; 0.6 - 0.9 Ti; 0.4 - 0.8 Al; up to 0.02 S and 0.03 P. The coating weld was produced with a split electrode wire, 4 mm in diameter, of the same composition, and under the same flux, on d-c of direct polarity. The distance between the electrodes must be 2 - 5 mm less than the width of the bead of the separating weld. A redesigned welding tractor ТС -17 М (TS-17M) was used, assuring simultaneous and uniform supply of two wires to the welding area. The weld joints produced by the described method were tested and showed satisfactory properties. The advantage of the method is the fact that labor consuming operations for the bevelling of edges have been eliminated. There are 2 tables and 5 figures.

ASSOCIATION: Zhdanovskiy zavod tyazhelogo mashinostroyeniya (Zhdanov Plant of Heavy Machinebuilding)

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L 22024-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k) IJP(c) JD/HM/JH

ACC NR: AP6007920 SOURCE CODE: UR/0125/66/000/002/0054/0056

AUTHOR: Antonets, D. P.; Psaras, G. G.

ORG: Zhdanov Heavy Machine Building Plant (Zhdanovskiy zavod tyazhelogo mashinostroyeniya)

40
B

18,44,55 27,44,55

TITLE: Features of the submerged arc welding of aluminum with waveform electrodes

SOURCE: Avtomaticheskaya svarka, no. 2, 1966, 54-56

TOPIC TAGS: arc welding, welding electrode, welding technology, aluminum, metal crystallization, metal grain structure

ABSTRACT: A promising technique of varying the crystallization conditions is the induction of surging in the molten metal of the weld pool. Normally, however, this can be accomplished only by means of cumbrous and often extremely expensive electric and electomagnetic devices. In this connection, the Zhdanov Heavy Machine Building Plant has developed and introduced a technique for welding aluminum by means of two waveform electrodes which makes it possible to cause the arc to travel back and forth and thus to energetically stir the molten metal and hence also to degasify it and reduce its grain size. This technique was first described in 1964 (D. P. Antonets, F. I. Bukin. Avtomaticheskaya svarka, no. 1, 1964). The alternate feeding of the concave and convex loops of the two waveform welding wires causes a back-and-forth motion of particles of the molten metal at an amplitude equal to the bending amplitude of the

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L 22024-66

ACC NR: AP6007920

wire. In this connection the authors present formulas for calculating the oscillation (surging) amplitude and frequency of particles of the molten metal which make it possible to determine the pattern of surging as a function of the welding regime and show that during welding with waveform electrodes all the metal particles at the site of combustion of the arc will execute harmonic oscillations of an amplitude equal to the bending amplitude of the wire, which will generate pressure pulsations that can also be calculated in theory. Thus, the maximum pulsation of unit pressure at an amplitude of 8 mm for a frequency of up to 7 cps will be 0.65 g/mm^2 and for a frequency of 9 cps, more than 1 g/mm^2 which is adequate considering that the strength of Al and Al alloys in the crystallization range is 1-5 g/mm^2. Such pulsations, combined with the active stirring of the molten metal of the weld pool, make it possible to rupture the branches of the growing crystals of Al and Al alloys and thus produce a more fine-grained structure, provided that the electrode-feeding rate is sufficiently high and the surging time sufficiently long. Orig. art. has: 3 figures and 6 formulas.

SUB CODE: 11, 13, 20/ SUBM DATE: 27Jul65/ ORIG REF: 004/ OTH REF: 000

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

VRUBLEVSKIY, V.I., inzh.; KRYZHANOVSKIY, O.M., inzh.; PANASYUK, L.S., inzh.; RAVICH, K.S., inzh.; SHCHUR, A.G., inzh.; GARNAZHENKO, I.O., inzh.; LEBEDEV, Ye.I., inzh.; PSAREV, A.M., inzh.; SALATSINSKIY, V.V., inzh.; SHOKAREV, V.A., inzh.

Over-all mechanization and automation of the compsition of charge. Mashinostroenie no.6:45-47 N-D '62. (MIRA 16:2)

1. Institut liteynogo proizvodstva, AN UkrSSR (for Vrublevskiy, Kryzhanovskiy, Panasyuk, Ravich, Shchur). 2. Toretskiy mashinostroitel'nyy zavod (for Garnazhenko, Lebedev, Psarev, Salatsinskiy, Shokarev).
(Cast iron--Metallurgy) (Automation)

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

CA

15

Agronomic studies of Nicotiana rustica. G. M. Psarev. *Tabak* 8, No. 2, 36-9 (1938). -There is a loss of nicotine in pressing tobacco into bales. Citric acid and nicotine accumulate in the leaves and not in the stems during drying. The greatest increase in the content of citric acid (13.3%) was produced by potash fertilizer and the highest yield of nicotine (5.6%) by nitrogen-potash and potash fertilizers. The expts are described and results are tabulated. A. A. Boehthingk

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAREV, G. M.

"Physiological Character of Changes Induced in Maize by Removing Male Inflorescence (Tassels)," Dokl. AN SSSR, 22, No.4, 1939

Lab. of Agrophysiol., Test Station of Cereal and Leguminous Plants, Kuban

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAREV, G. M.

"Yellowing and Dying of Leaves in Soya as Related to Daylength," Dokl. AN SSSR, 25, No.8, 1939

All-Union Inst. of Oil Cultures

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

BC

A-4

Influence of day length on [illegible] growth in transverse section. G. M. [illegible] [illegible], Acad. Sci. U.R.S.S., 1940, [illegible], 537—[illegible].—Stems of soya bean increase in diameter as the photoperiod is diminished. By prolonged short-day treatment [illegible] through excessive development of the xylem. A. G. P.

Lab. Plant Physiol.; Kuban Experimental Station All-Union Inst Oil Crops.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

AUTHOR INDEX

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Effect of day length on cambial growth. G. M. Usatov and N. F. Neuman (*Compt. rend. Acad. Sci. U.R.S.S.*, 1940, 30, 497—499).—Short photoperiods greatly increase the activity of cambial growth in soya bean. E. M. W.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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PSAREV, G. M.

"Growth Response of Soya to Day Length in Relation to Development," Dokl. AN SSSR, 30, No.9, 1941

Lab. Plant Physiol., Kuban Exper. Station of the All-Union Inst. of Oil Crops

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CA

The role of heteroauxin in form-generation and growth processes of a plant. G. M. Psarev (Rostov State Univ.). *Doklady Akad. Nauk S.S.S.R.* 50, 877-80(1947). Vacuum infiltration of solns. of heteroauxin into entire plants of soya at a concn. of 10 mg. per 100 ml. of H_2O leads to retardation of flower-bud formation; the growth of leaves that are formed during the infiltration process is also retarded, but subsequently formed leaves grow more rapidly.

G. M. Kosolapoff

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[illegible]EV, G.M.

" The Effect of Some Synthetic Substances on the Development of Embryonic Roots in Winter Wheat," Dok. AN, 56, No. 9, 1947

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

ESAREV, G. K.

24130 ESAREV, G. K. Vliyaniye vneshnikh fizicheskikh usloviy sredy na yavleniye pigmentatsii obolochki semyan. soi. Uchen. zapiski (Rost. N/D Gos. UN-T im. Molotova), T. XV, 1949, S. 61-70. - Bibliogr: 12 Nazv.

SO: Letopis, No. 32, 1949.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAREV, G. M.

G. M. Psarev, Vyrashchivaniye makhorki (Cultivation of Makhorka), Sel'khozgiz, 5 sheets.

The brochure gives the biology of makhorka, the characteristics of its subspecies, desribes the technical agronomy of its cultivation (selection of its location on the plantation, tilling the soil for makhorka, methods of cultivation of makhorka), harvesting the crop, and surrendering raw makhorka at collection points.

The brochure is intended for kolkhoz and sovkhoz workers.

SO: U- 6472, 18 Nov 1954

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAREV, M.K.

Comparison of chisel and "hoofed" bore bits used in the Kounradskiy Mine. Izv.AN Kazakh.SSR.Ser.gor.dela, met. i stroimat. no.11:42-50 '56. (MIRA 10:1)

(Kounradskiy--Boring machinery)

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[illegible], M. K.

"Investigation of the Process of Percussive Boring at the Kounrad Mine." Cand Tech Sci, Inst of Metallurgy and Ore Dressing, Acad Sci Kazakh SSR, Alma-Ata, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

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ALEKSEYEV, O.I., kandidat tekhnicheskikh nauk; PSAREV, M.K., kandidat tekhnicheskikh nauk

Experiments in the Kounradski mine for boring practice improvement. Gor.zhur. no.7:32-37 Jl '55. (MLRA 8:8)
(Kounradski--Boring)

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VOLKOV, V.M., kandidat tekhnicheskikh nauk, dotsent; PSAREV, S.A., inzhener.

Investigation of cord pairs for the ATS-47 and UATS-49. Sbor.LIIZHT no.151:159-163 '56. (MLRA 10:1)

(Telephone, Automatic)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAREV, V. I.

B-13

USSR / Physical Chemistry - Surface Phenomena, Adsorption, Chromatography, Ion Interchange.

Abs Jour : Referat. Zhurnal Khimiya, No.1, 1958, 598.

Author : V.I. Psarev, I.V. Salli.

Inst : Dnepropetrovsk University.

Title : Coalescence Kinetics and Determination of Surface Tension of Solid Phase Boundary. Surface Tension of Cementite of Boundary with Austenite and Ferrite.

Orig Pub : Nauchn. zap. Dnepropetr. un-ta, 1956, 45, 61 - 67.

Abstract : The change of the mean radius of golbular cimentite particles in steels kept in a vacuum furnace or lead bath was studied experimentally. The magnitude of of cementite on the boundary with austenite and ferrite was computed for a wide temperature range by the method proposed

Card: 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

USSR / Physical Chemistry - Surface Phenomena, Adsorption, Chromatography, Ion Interchange. B-13

Abs Jour : Referat. Zhurnal Khimiya, No.1, 1958, 598.

Abstract : earlier (see the foregoing abstract). The smaller value of cementite on the ferrite boundary than on the austenite boundary is explained by a less dense atom packing in ferrite. rises at the introduction of a carbide producing element (Cr, Ti); the introduction of an element, which does not produce any carbide, decreases the magnitude.

Card: 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

KOSTUR, N.L. [Kostur, M.L.]; PSAREV, V.I. [Psar'ov, V.I.]

Solubility and the effect of certain elements on the physical properties of the compounds InSb and CdSb. Ukr. fiz. zhur. 9 no.8:900-907 Ag '64. (MIRA 17:11)

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PSAREV, V.I. [Psar'ov, V.I.]; KOSTUR, N.L. [Kostur, M.L.]; DOBRYDEN', K.A.; KOSTUR, T.A. [Kostur, T.O.]

The semiconducting compound Cd_4Sb_3. Ukr. fiz. zhur. 9 no.10: 1141-1143 O '64 (MIRA 18:1)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343510002-2

PSAREV, V.I.

Coagulation of carbide particles in high manganese steel. Izv.vys. ucheb.zav.; chern. met. 8 no.4:142-149 '65.

(MIRA 18:4)

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