"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

[illegible]

[illegible] in the blood serum of patients in early stages after various surgical operations. [illegible] type. [illegible] No. 10 [illegible] ref.

[illegible] Klinika Chirurgii AM w Poznaniu. Kierownik prof. [illegible] Pracownia z Katedry Medycyny Sportu AM w Poznaniu. Kierownik [illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

MASTYNSKA, Maria; PIOCH, Edmund; KABZA, Regina

Effect of partial thyroidectomy on the blood iron level.
Endokr. Pol. 16 no.5:525-528 '65.

1. II Klinika Chirurgiczna AM w Poznaniu (Kierownik: prof. dr. R. Drews) i Katedra Medycyny Sportu AM w Poznaniu (Kierownik: prof. dr. E. Preisler).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

HOCH, Edmund

Hematological changes after total gastrectomy. Polski przegl. chir. 33 no.7/9:755-758 '61.

1. Z II Kliniki Chirurgicznej AM w Poznaniu Kierownik: prof. dr R. Drews.
(GASTRECTOMY compl) (ANEMIA etiol)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

WOJTOWICZ, Mieczyslaw; PIOCH, Edmund; CIOK, Jerzy

"A", "B" and "O" blood groups and their relation to gastric and duodenal ulcer and gastric cancer. Polski tygod. lek. 15 no. 20: 745-747 16 My '60.

1. Z II Kliniki Chirurgicznej A.M. w Poznaniu; kierownik: prof. dr. Roman Drews.
(BLOOD GROUPS)
(PEPTIC ULCER blood)
(STOMACH NEOPLASMS blood)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIOCH, Edmund

High gastric ulcer (Clinical aspects and surgical management).
Pozn. tow. przyjac. nauk wydz. lek. 29:111- 45 '64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

SHNEYDEROV, R.G., inzh.; PIOLUNKOVSKIY, G.M.

New MR-1 and MR-3 rutile electrodes. Mont. i spets. rab. v stroi. 23 no.9:16-19 S '61. (MIRA 14:9)

1. Gosudarstvennyy proyektnyy institut "Promstal'konstruksiya". (Electrodes) (Electric welding)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

2980 THE FORMATION OF THE TERM 'PSYCHOPATHY' - Kształtowanie się pojęcia psychopatii. Zarys historyczny - Pionkowski J., Klin.Psychiat. A. M., Łódź - NEUROL.NEUROCHIR.PSYCHIAT.POL. 1958, 8 4 (473-485

The concept of psychopathy originally included all deviations from normal mental life. The present meaning of the term dates from Prichard (1835), and was later developed by Morel, Lombroso, Krafft-Ebing, Koch and Kräpelin. A general discussion is given of the formulation of the concept in Russian psychiatry. It is emphasized that differences of opinion still exist, while no priority in the formulation of the term can be attributed to any one figure. Bucowczyk - Łódź

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKOWSKI, Janusz; RYDZYNSKI, Zdzislaw

Studies on the effect of chlorpromazine (fenactil) on the digestive system in the dog. Preliminary communication. Pat. pol. 13 no.3: 285-291 '62.

1. Z Kliniki Psychiatrycznej AM w Lodzi. Kierownik: prof. dr med. S. Cwynar

(CHLORPROMAZINE) (LIVER)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

CWYNAR, Stanislaw; PIONKOWSKI, Janusz; SIUCHNINSKA, Helena

Evaluation of the drug Trilafon produced by the company Ferrosan according to experiences of the Psychiatric Clinic of the Academy of Medicine in Lodz. Neurol. neurochir. psychiat. pol. 12 no.5: 751-752 '62.

(PERPHENAZINE) (MENTAL DISORDERS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKOWSKI, Janusz; SZYMANIAK, Ewa

2 cases of cretinism with special reference to changes in the oral cavity. Polski tygod.lek. 15 no.14:516-519 4 Ap '60.

1. Z Kliniki Psychiatrycznej A.M. w Lodzi; kierownik: doc.dr med. Stanislaw Cwynar i z Kliniki Stomatologii Zachowawchej A.M. w Lodzi; kierownik: doc.dr Mieczyslaw Fuchs.
(CRETINISM case reports)
(MOUTH abnorm.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKOWSKI, J.

The formation of the term of psychopathy. Neur. Ac. polska 8 no.4: 473-485 July-Aug 58.

1. Z Kliniki Psychiatrycznej A.M. w Lodzi Kierownik: prof. dr nauk med. E. Wilczkowski.
(PERSONALITY, PATHOLOGICAL
psychopathy, nosol. concept (Pol))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKOWSKI, Janusz

Natural chemical conditioned reflexes in the blood in mental disorders following actions on the first and second signal systems; preliminary considerations. Neurologia etc.polska 4 no. 3:328-332 May-June 54.

1. Klinika Psychiatryczna Akademii Medycznej w Lodzi. Kierownik: prof. dr Wilczkowski.

(MENTAL DISORDERS, physiology,
conditioned blood sugar variations after stimulation of signal systems)
(BLOOD SUGAR, physiology,
conditioned reactions in ment. disord. to stimulation of signal systems)
(REFLEX, CONDITIONED,
prod. of blood sugar conditioned reaction in ment. disord. to stimulation of signal systems)
(CEREBRAL CORTEX, physiology,
signal systems, eff. of stimulation on conditioned blood sugar reactions in ment. disord.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKOWSKI, Tadeusz

Translator and translation. Akt probl inf dok 7 no.3:21-31 My-Je '62.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

1b

30

Chlorinated rubber M. Polunkovskaya *J Rubber Ind* (U S S R) 11, 142 0(1934) A 5% soln of light crepe in liquid polychlorides of C_6H_6 was treated with Cl gas (washed in 98% H_2SO_4) and the mixt was heated to 80-85° for several hrs (to remove excess Cl and HCl) The product contained 16-18% of Cl When applied on a rubber plate the soln of chlorinated rubber formed a thin shiny film To improve the elasticity of the film experts were made on addn of linseed oil, cotton seed oil, castor oil, purified fat, Al salts of the acids of the above oils and fat and free acids of castor oil Tritolyl phosphate (1-10%) greatly improved the elasticity of the film Sulfur (1% of the rubber) and "cap tax" (0 06-0 10% of the rubber) gave a shiny elastic film Rubber plates covered with different types of lacquers of chlorinated rubber were aged for 6-7 months, only those with sulfur and with accelerators retained the original elasticity The best lacquer contained rubber chlorinated in presence of 1% S 5 parts, polychlorides of C_6H_6 (light) 100 parts, tetralin 5, nigrosine (dissolved in $C_6H_6Cl_6$) 0.3, tritolyl phosphate 10.0 The film is insol in boiling benzene and mineral oils and is acid proof and alkali proof A P.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

BC

B-II-9

Chlorinated rubber. M. PROLAMENOVAYA (J. Rubber Ind. U.S.S.R., 1934, 11, 148—149).—A 5% solution of light crêpe in liquid polychloride of C_2H_2 (I) was chlorinated, and then heated at 80—90° for several hr. to remove Cl_2 and HCl. This solution when applied on a rubber plate gave a thin shiny film the elasticity of which was increased by $(C_6H_5)_3PO_4$ (II). Such films containing I and accelerators retained their elasticity after 3 months. A lacquer containing chlorinated rubber, I, (I), tetralin, nigrosine dissolved in $C_6H_5Cl_2$ and (II) gave films which were acid- and alkali-proof and insol. in boiling C_6H_6 and mineral oils.

(To Abs. (c))

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

CA

3/1

Porous rubber and ebonite. M. M. Podunkovskaya and I. S. Frumkin. Russ. 41,181, Jan. 31, 1935. Rubber and ebonite are made porous by saturating the rubber soln. with N in the presence of a piezoelec. quartz plate placed on the bottom of the container and excited to vibration by means of an electron generator. This brings about a high degree of dispersion of the N.

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIOLUNKOVSKIY, G.M.; TSEOEL'SKIY, V.L., redaktor, KRASIL'SHCHIK, S.I., redaktor; TOKER, A.M., tekhnicheskiy redaktor.

[Safety manual for workers engaged in metal electrode production] Pamiatka po tekhnike bezopasnosti dlia rabochikh, zaniatykh proizvodstvom metallicheskikh elektrodov. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1954. 23 p. (MLRA 8:1)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva SSSR. Otdel tekhniki bezopasnosti i promyshlennoy sanitarii.
(Metal industries--Safety measures) (Electrodes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

Pion ita, I.

A contribution to the study of the stratigraphy of the Pliocene between the Topolnita and osustea Valleys. [illegible]

STUDII SI [illegible] T [illegible] Bucuresti, Romania. [illegible] 3 [illegible] 1956.

Monthly List of East European Accessions (EEAL) LC, Vol. 7, [illegible]

Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKA, Z.

PIONKA, Z. The increasing number of ski trails. p. 16
TURYSTA Warszawa, Poland
Vol. 21 No. 12 Dec. 1965

SOURCE: East European Accessions List (EEAL) Vol. 5 No. 6 June 1966

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

CWYNAR, Stanislaw, prof. dr. med.; PIONKOWSKI, Janusz

Treatment of schizophrenia with the preparation proketazine.
Neurol., neurochir. psychiat. Pol. 14 no.6:953-956 N-D '64

1. Z Kliniki Psychiatrycznej Akademii Medycznej w Lodzi
(Kierownik: prof. dr. med. S. Cwynar).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

CWYNAR, Stanislaw; PIONKOWSKI, Janusz; SIUCHNINSKA, Helena

Evaluation of the Trilafon drug (Perphenazin) produced by the Ferrosan Works in the li ht of experiments made by the Psychiatric Clinic of the Medical School in Lodz. Neurol neurochir psych 12 no.5:751-752 S-O '62.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKOWSKI, Janusz; RYDZYNSKI, Zdzislaw

Hypertrophy and elongation of the filiform papillae of the tongue as a sign of hypovitaminosis in mental patients treated in a closed institution. Polski tygod.lek. 15 no.28:1068-1070 11 Jl '60.

1. Z Kliniki Psychiatrycznej A.M. w Lodzi; kierownik; doc dr med. St.Cwynar

(DEFICIENCY DISEASES diag)
(TONGUE pathol)
(CHLORPROMAZINE toxicol)
(RESERPINE toxicol)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONKOWSKI, Janusz; RYDZYNSKI, Zdzislaw

Hypertrophy & elongation of filliform papillae of tongue caused by chlorpromazine therapy. Polski tygod. lek. 14 no.11:503-505 16 Mar 59.

1. (Z Kliniki Psychiatrycznej Akademii Medycznej w Lodzi; kierownik, prof. dr med. St. Gwynar) Lodz, Aleksandrowska 159, Klinika Psychiatryczna A.M.

(CHLORPROMAZINE, inj. eff.
hypertrophy & elongation of filliform papillae of tongue (Pol))

(TONGUE, eff. of drugs on
chlorpromazine causing hypertrophy & elongation of filliform papillae of tongue (Pol))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

MIONNIER, K.

[illegible] Budowa samochodów (Automobile Manufacture). A book review. [illegible], Vol. 5, no. 5, May 1955, TECHNIKA MOTORYZACYJNA

SO: [illegible], (Poland), [illegible], No. [illegible], Sept. 1955, Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

ANDRAICHEV, Anatoliy Nikolayevich; MUDEL'MAN, Abram Borisovich; DUKHOVLIN, D.P., inzh., retsenzent; PIONOV, N.I., inzh., retsenzent; VEKSLER, A.A., red.; SHPAK, Ye.G., tekhn.red.

[Mining and processing of potassium salts] Dobycha i pererabotka kaliinykh solei. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1960. 450 p. (MIRA 13:12)
(Potassium salts)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONSKI, W.

Thermal insulation of flat roofs by means of fiberboard. p. 13[illegible].
Vol. 12, no. 4. Apr. 1955. INZYNIERIA I BUDOWNICTWO. Warszawa.

Source: East European Accessions List (EEAL), LC, Vol. 5, No. 3. March 1956.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

USSR/Human and Animal Physiology. Neuro-Muscular Physiology.

Abs Jour: Ref Zhur-Biol , No 8, 1958, 36782

Author : Kibyakov, A.V., Piontak, N.E.
Inst :
Title : Acetylcholine Mechanism of the Tonic Component of Contractions of the Skelletal Muscle System

Orig Pub: Fiziol. zh. SSSR, 1957, 43, No 3, 245-251.

Abstract: The experiments were carried out on frogs. Stimulation of the eighth anterior ganglion, producing tetanic contraction of the gastronemius muscle, very slightly increased its cholinesterase activity. Following stimulation of the ninth ganglion, producing a contraction with a marked tonic component (TC), this activity was about 35 times greater than after stimulation of the eighth ganglion. Stimulation of the

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

KIBYAKOV, A.V.; PIONTAK, N.Ye.

Acetylcholine mechanism of the tonic component of skeletal muscle contraction. Fiziol.zhur. 43 no.3:245-251 Mr '57. (MLRA 10:8)

1. Kafedra normal'noy fiziologii Meditsinskogo instituta, Kazan'
(MUSCLES, physiology,
tonic contractions, acetylcholine mechanism (Rus))
(ACETYLCHOLINE, physiology,
in tonic contractions of skeletal musc. (Rus))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

NEKRASOVA, V.D.; BLINTSOV, A.Ya.

Effect of pharmacologic [illegible] on the [illegible] of preparations [illegible] vessels. Farm. [illegible] N.D. [illegible] Medicine

[illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

BORKOVSKAYA, [illegible]; [illegible]A, [illegible]A.; [illegible]VA, [illegible];
[illegible], [illegible]; [illegible], [illegible]; ASSOKIN, V.[illegible];
[illegible], [illegible], [illegible], [illegible], A.[illegible]; S.AN[illegible], [illegible],
inzh., ret[illegible]; ALEK[illegible]EVSKIY, [illegible], inzh., retsen[illegible];
PICHIZA, [illegible], [illegible], [illegible].

[illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

CHERKASHIN, Vasiliy Ivanovich; PLONTEK, Ye.I., inzh., red ; DUGINA, N.A., tekhn. red.

[Advanced methods for machining with the use of gauges] Peredovye metody lokal'nykh rabot. Izd.3., ispr. i dop. Moskva, Mashgiz, 196[illegible]. 183 p. (MIRA 1[illegible])

(Metal cutting)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTEK, R.

Tradition and mechanization in the clothing industry. [illegible]
no.1:43-45 J '63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTEK, Zofia, mgr.

Survey of literature on social security for the years 1918-1939. Pt.2. Praca zabezp spol 5 no.10:32-35 O'63

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTEK, Zofia, mgr

Writings onf social insurance during Pt. 1. Praca zabesp spo. 5 ns.2/9: 63-67 Ag-S '63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTELLI, R.

Polarization-Voltage Measuring Methods.—II.-III. R. Piontelli, G. Bianchi, U. Bertocci, C. Cinerci, and H. [illegible] Ann., 1954, 55, (1), 54-64; (2) 86-97].—(X. P. et al., ibid., 1952, 56, 56; M.A., 20, 283. [II.—] A theoretical study of the errors involved in overvoltage measurements by direct and liq.-probe methods. A description is given of working with model electrochem. systems of low polarization. This permits the prediction of previously developed theory and extrapolation to zero in methods with capillaries placed at various distances from the electrode surface. Experimental verification is found for conclusions drawn from previous work. [III.] A description of cell and circuit arrangements for the direct measurement of polarization voltages is given. Oscillograms obtained with the apparatus are shown.

—E. A. H.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKIY B.A.

Voltage and current regulators Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1952. 119 p. (54-18920)

TK2851. P4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

USSR/Metallurgy - Welding, Electrode Production Nov 52

"Planning Electrode Manufacturing Enterprises," Engr V. I. Mel'nik, Stalin Prize Laureate; Engr G. M. Piolunkovskiy, "Stal'montazh" Trust, MSPTI

Avtogen Delo, No 11, pp 20-23

Discusses problems of planning electrode manufacturing establishments on individual example of design for plant with annual production of 4200 tons of electrodes. Flow sheet and plan view are given, and equipment is tabulated.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

1. MEL'NIK, V. I., Engr., PIOLUNKOVSKIY, G. M., Engr., SHNEYDEROV, M. G., Engr.

2. SSSR (600)

4. Electrodes

7. Planning of enterprises for the manufacture of electrodes.
Avtog. delo 23 No. 11, 1952

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

MEL'NIK, V.I., inzhener; PIOLUNKOVSKIY, G.M., inzhener; SHNEYDEROV, R.G., inzhener

E42A-type electrodes for welding with direct and alternating current. Svar. proizv. no.2:14-16 F '55. (MLRA 8:9)
(Electric welding) (Electrodes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

POKROVSKAYA, Avgusta Nikolayevna. Prinimal uchastiye TYUFTIN, Ye.P., inzh. NOGIN, T.A., inzh., red.; OLEV, S.M., inzh., red.; PIONTEK, Ye.I., inzh., red.; SOMOVA, T.M., inzh., red.; YERMAKOV, N.P., tekhn.red.

[Mechanical drawing; album of drawings with short explanations] Mashinostroitel'noe cherchenie; al'bom chertezhei s kratkimi poiasneniiami. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1960. 131 p. (MIRA 14:4)
(Mechanical drawing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

SHCHUKIN, G.I., kand. med. nauk; PIONTIK, A.A.

Coagulation test in infl. orsa [illegible] Zaf. pergod. mutr. [illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

A-1

Absorption spectrum of heavy acetone in solution in hexane. I. V Kiseleva and M A Podkopaeva (Acta Physicochim URSS 1939 10, 881—884).—The ultra-violet (~2700 A) absorption spectrum of heavy $(CD)_2Me_2$ is the same as that of ordinary $(CH)_2Me_2$, both in C_6H_{14}. O J W

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RUBANIK, M.Ya.; SNIGUROVS'KA, Yu.O.; PIONTKOVS'KA, M.A.

Kinetics of the oxidation of ethylene to ethylene oxide on a silver catalyst. Dop. AN URSR no.2:37-40 '49. (MLRA 9:9)

1. Institut fizichnoi khimii im. L.V. Pisarzheva'kogo AN URSR. Predstaviv diysniy chlen AN URSR O.I. Brods'kiy.
(Oxidation) (Ethylene)

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CA

Mechanism of the mild catalysis [illegible]

[illegible] Chem. Ind. Acad. Sci. U.S.S.R. Mineral. Inst. Lenin Abad. Nauk [illegible] 70, 1113 [illegible] Oxidation of a $C_2H_6 + C_2H_4$ mixt. with O_2 with the vol. ratio gas O_2 [illegible] 1:1, in a static system was followed both by determ. of the intermediate products and aldehydes produced by incomplete oxidation and by measurements of the temp. rise produced in the center of the reaction bulb, with the capil. bare carrying the thermocouple coated on the outside with NaCl to ensure a catalytically inactive surface. Both methods gave, in all cases, parallelly consisting curves of the rate of pressure increase against time, characterized by an initially slow rise of the rate of the incomplete oxidation, passage through a max. and subsequent fall. In a reaction bulb of Mo glass with an initial pressure of 200 mm. Hg, initial temp. [illegible], coating of [illegible] of the wall of the vessel [illegible] 15 × 4.3 cm.) with P resulted in a sharp lowering of the rate of the mild oxidation, the max. becoming flat and [illegible]. This indicates that on P [illegible] the intermediate products [illegible] only than on glass. If all of the glass wall is coated with P, no reaction at all [illegible] the intermediate products and no temp. rise in the center of the bulb is observed with an initial pressure of 200 mm. and an initial temp. of [illegible]. However, with the initial temp. raised to [illegible] and the initial pressure to 200 mm. the homogeneous reaction of complete oxidation develops vigorously and its rate rises with the pressure and the temp. It means that under these conditions, P inhibits as a mild catalyst inhibiting the homogeneous reaction. Higher pressure reduces diffusion of the intermediate products to the surface and thus reduces the probability of rupture of chains. Coating of the [illegible] with V_2O_5 has the same effect as coating with P. [illegible] and under 200 mm., no homogeneous reaction develops, [illegible] but the heterogeneous-homogeneous reaction develops [illegible] 185° and 372 mm. Consequently, under conditions favorable to incomplete oxidation both P and V_2O_5 [illegible] of incomplete oxidation both P and V_2O_5 [illegible] catalysts. In this process, heterogeneous [illegible] followed by a homogeneous stage taking place [illegible] over the catalyst grains.

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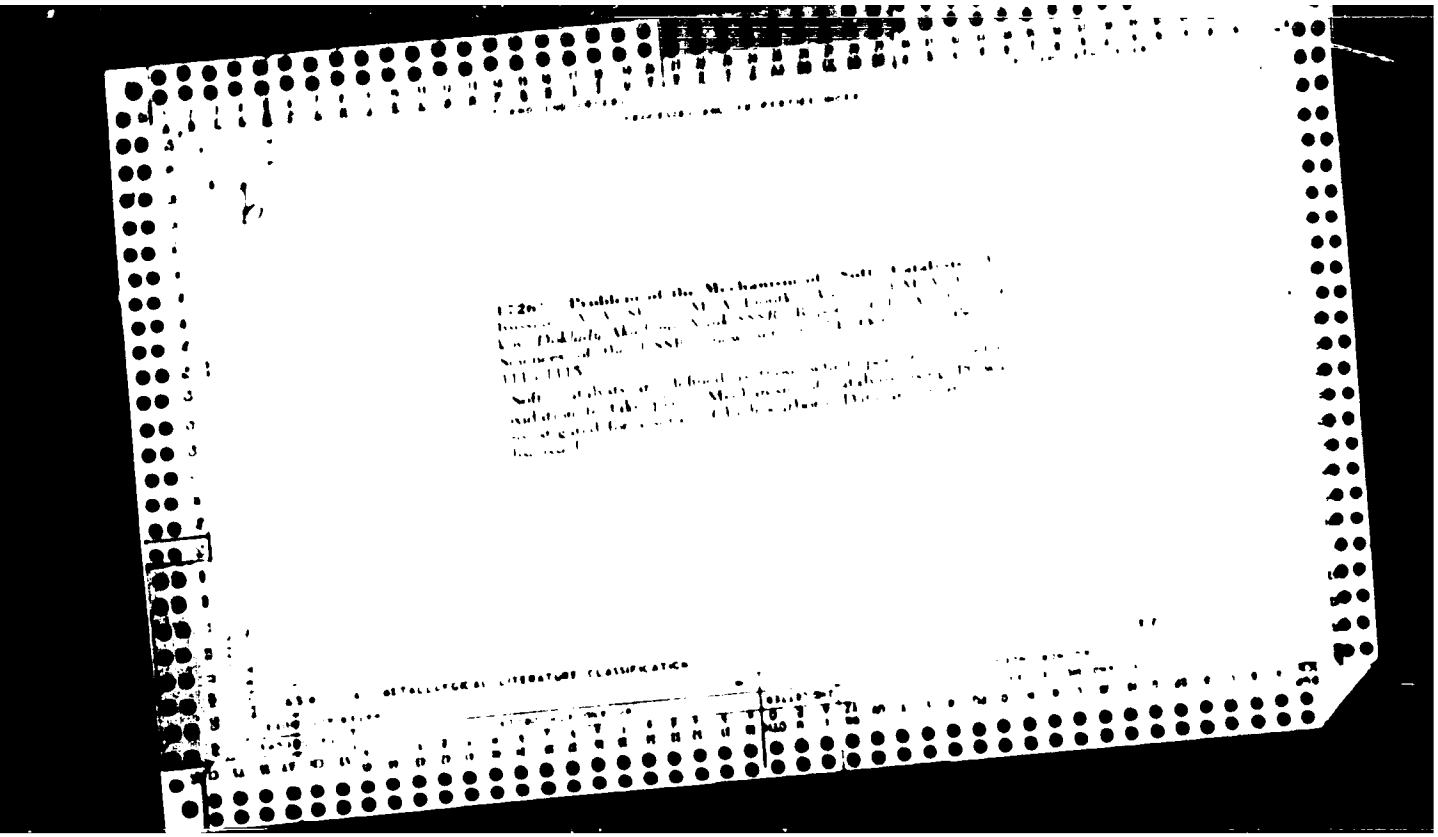

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

Plotnikov, K.A.

The use of tagged atoms in the study of the effect of wash liquids on the process of the formation of silica gel structure. G. P. Yankovskii, M. A. [redacted] and L. R. [redacted]. *Doklady Akad. Nauk SSSR* 100, 87-90 (1955) (Russian summary, 91); cf. *C.A.* 47, 7650b.—Freshly prepd. SiO_2 gels were (I), washed with tap water with and without $Ca^{45}(NO_3)_2$, (II) with distd. H_2O with $Ca^{45}Cl_2$ and (III) with distd. water without $Ca^{45}Cl_2$. The sorption-desorption (MeOH) isotherms of I showed considerably greater hysteresis than those of II, whereas the isotherms of III showed no hysteresis. This indicates large pores in the former gels, which supports the theory that during washing with tap water, silicates are formed on the surface of the micelle blocking the pores. That fine porosity is formed after removing these silicates is shown when gels washed as in I were washed with 6*N* HCl and dried at 100°; the porosity was reduced from 0.78 to 0.45 cc./g. I. B.

(2)

Inst. Phys. Chem. im Pisarzhevskiy, AS UkrSSR

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PiuntKovskaya, M. A.

Rate of coagulation of silicic acid sol and structure of dry silica gel. I. E. Neimark, M. A. Piuntkovskaya, and L. B. Shuvakova. *Kolloid. Zh.* 18, 67-74(1956). *H. C. A.* 47, 4083g.—The apparent d. and the pore vol. *V* of a SiO_2 gel depend on the conditions of drying but are independent of the conditions of pptn. of the gel. Thus, variation of the initial concn. of Na_2SiO_3 between 25 and 100 mg. SiO_2 in 1 l. of the residual acidity from 0.05 to 0.28N, of the pptn. temp. between 15° and 80°, and of the acid used for acidifying Na_2SiO_3 (H_2SO_4, HNO_3, HCl, HCO_2H, AcOH, H_3PO_4) had no definite effect on d. and *V*; also a gel prepd. by hydrolysis of $SiCl_4$ was not different. However, d. and *V* greatly depended on the pH at which the gel was dried; thus, d. was 1.42, 1.18, and 0.77 at pH 2.2, 6.5, and 7.8, resp. The time of coagulation increased, e.g. from 18 to 560 hrs. when the concn. of SiO_2 increased from 25 to 100 mg./l.

J. J. Bikerman

Inst. Phys. Chem. AS UKR SSR

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PONTRYAGIN, L. S.; KAZARINOV, R. F.; MIKHAYLOVA, M. A.

[illegible]

TiO_2 [illegible] made from [illegible] and H_2O [illegible] by mixing [illegible]

[illegible]

[illegible]

[illegible]

[illegible] When H_2O was [illegible] 1.39, 945, and <10, as compared with [illegible] and 15, [illegible] when the [illegible] was at 20° [illegible] taken when the liquid [illegible] tension and when the [illegible] was [illegible] ity of TiO_2 gels was greater when H_2O [illegible] BuOH before drying and when H_2O was [illegible] temp. (120° instead of 20°). [illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

5(4) SOV/[illegible]

AUTHORS: Piontkovskaya, M.A., [illegible], [illegible], [illegible], Neymark, I.Ye.

TITLE: The Change in the [illegible] and the Adsorption Capacity of Aluminum H[illegible] in Dependence on the Conditions of Its Formation

PERIODICAL: Kolloidnyy zhurnal, [illegible], Vol XXI, Nr [illegible], [illegible] (USSR)

ABSTRACT: The [illegible] report [illegible] the change [illegible] volume, [illegible] aluminum hydroxide decrease in proportion to the increase of the ripening part. [illegible] that during the ripening period (0-4 [illegible]) the [illegible] underwent structural changes, which [illegible] by a transition from [illegible] state. X-[illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

SOV/6[illegible]-1-1-1/21

The Change in the Structure and the Adsorption Capacities of Aluminum Hydroxide in Dependence on the Conditions of Its Formation

of the same samples fully confirmed the obtained results. The evaluation of the diffraction patterns resulted again in a structural transition of the rel from amorphousness to micro-and macrocrystalline formations. Samples with ripening periods of [illegible] 45 days showed a hydrargillite lattice. Heating of the same samples to a temperature of 900°C resulted in a change of the lattice into the structure of corundum. The authors mention the scientist L.I. Nikina, who took part in the adsorption measurements. There are 6 X-ray diffraction patterns, [illegible] 3 tables and 12 references, 7 of which are Soviet, 4 German, [illegible] English and [illegible] French.

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

SOV/[illegible]

The Change in the Structure and the Adsorption Capacity of Aluminum Hydroxide in Dependence on the Conditions of Its Formation

ASSOCIATION: Institut fizicheskoy khimii AN USSR im. L.V. Pisarzhevskogo, Kiyev (Institute of Physical Chemistry of the AS UkrSSR imeni L.V. Pisarzhevskiy, Kiyev)

SUBMITTED: 6 November, 1957

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

L 13772-67 EWT(m)
ACC NR: AP6013622 SOURCE CODE: UR/0000/66/000/000/0015/0015

INVENTOR: Neymark, I. Ye.; Petrakovskaya, M. A.; Stankevich, G. S.

ORG: none

TITLE: Method of obtaining synthetic zeolite. [Class 12, No. 181051 announced by Institute of Physical Chemistry im. L. V. Pisarzhevskiy (Institut fizicheskoy khimii)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 15

TOPIC TAGS: ~~synthetic~~ zeolite, gel, sodium aluminate, ~~sodium~~ silicate, sodium ~~beryllate~~

ABSTRACT: [illegible] zeolite by crystallizing gel at a high temperature. The gel is obtained by mixing sodium aluminate and sodium silicate solutions followed by washing and drying. To obtain a zeolite with increased absorption capacity a sodium beryllate solution is introduced into the composition of starting materials. Sodium beryllate, sodium

UDC: 661.183.6

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

L 43772-66
ACC NR: AP6015622

aluminate, and sodium silicate solutions are taken in the proportion of 3:1:1.
[Translation]

SUB CODE: 11 SUBM DATE: [illegible]

Card 2/2 [illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

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L 1589-66 EWT(m)/T

ACCESSION NR: AP5020950 UR/0073/65/031/008/0761/0767

46
45
B

AUTHOR: Piontkovskaya, M. A.; Neymark, I Ye.; Tyutyunnik, R. S.; Lukash, A. Ye.; Lantsova, M. A.

TITLE: Properties of magnesium-substituted zeolite

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 31, no. 8, 1965, 761-767

TOPIC TAGS: zeolite, magnesium, adsorption, nuclear magnetic resonance

ABSTRACT: The zeolite was prepared from the molecular sieve NaA or NH_4NaA and magnesium sulfate by cation exchange under static or flow conditions at 20-60 C. The exchange amounted to about 40% for NaA and 58% for NH_4NaA. For the study of properties, the following was determined: isotherms of vapor absorption (for water, benzene and lower alcohols) in the powders under vacuum at 20C, chromatographic data for the heat of adsorption (20-300C) and content in the individual gases (H_2 + CO + CH_4), and nuclear magnetic resonance for elucidating the nature and character of the forces linking adsorbed water molecules in the zeolite. The compositions of the elemental cells of these zeolites, $Mg^{I}NaA$, $Mg^{II}NH_4NaA$ and $Mg^{III}NH_4NaA$ are reported. Adsorption isotherms for the Mg zeolite were

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ACCESSION NR: AP5020950

located above those for the Na form. Calculation of water vapor molecules per one zeolite cell gave 730 A^3 for pores in NaA and 958 A^3 for $Mg^{III}NH_4NaA$, that is, 30% more for the latter. Tests with alcohols, etc. showed that no molecules with diameters above 5 A were adsorbed. The NMR lines for MgNaA, CaNaA and KNaA are reported. They show that the cations have an essential influence on the magnetic resonance of proton absorption, that is, that upon filling of zeolite pores with water, the latter locates mainly at the metal cations of the individual cells. This supports the assumption of cation participation in the primary adsorption act of polarized water molecules. Adsorption heat was shown to depend upon the individual gas rather than the metal. The heat of adsorption increased by about 2 kcal/mole for each CH_2 group. The nature of the cation which compensates the charge of the alumino silicate body influenced the adsorption heat of CO molecules and hydrocarbons with unsaturated bonds. Orig. art. has: 5 figures and 3 tables.

ASSOCIATION: Institut fizicheskoy khimii im. L. V. Pisarzhevskogo AN UkrSSR (Institute of Physicsl Chemistry, AN UkrSSR)

SUBMITTED: 10Mar64 ENCL: 00 SUB CODE: IC

NR REF SOV: 008 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

BORODU'SHKINA, E.N.; BLA[illegible], G.A.; BOG[illegible]AYSKIY, E.B.; GENDLER, T.P.; NEYMARK, I.Ye.; [illegible], M.A.

Synthetic zeolites as carriers of rubber vulcanization accelerators. (MIRA 12:6)
Kozh. obuv. prom. v n.: 14-16 Je '59.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

MATYASH, I.V.; PIONTKOVSKAYA, M.A.; TARASENKO, L.M.; TYUTYUNNIK, R.S.

Proton relaxation in zeolitic water. Zhur.strukt.khim. 4 no.1:106-107 Ja-F '63. (MIRA 16:2)

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR i Institut fizicheskoy khimii AN UkrSSR.
(Zeolites--Spectra) (Nuclear magnetic resonance and relaxation)
(Water)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

S/192/63/004/001/002/003
D204/D307

AUTHORS: Matyash, I.V., Piontkovskaya, M.A., Tarasenko, L.M. and Tyutyunnik, R.S.

TITLE: Proton relaxation in zeolotic water

PERIODICAL: Zhurnal strukturnoy khimii, v. 4, no. 1, 1963, 106-107

TEXT: It is noted that although the structure of many zeolites has been studied in some detail both experimentally and theoretically, there is little information about molecular bonding forces in zeolitic water. This has been largely due to experimental difficulties encountered with chemical and spectroscopic (X-ray and infrared) methods. The present work was undertaken to obtain further information about zeolites and to determine the NMR line widths for artificial zeolites. The following were investigated: KA, NaA, CaA, LiA and MgA. It was found that the derivatives of the absorption lines of KA, CaA and MgA did not exhibit detectable splitting which ascribed to the fact that the specimens had not lower than fourfold symmetry axes and the sorption cavities were nearly spherical. Mea-

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D204/D307

Proton relaxation ...

sured NMR line widths as functions of the relative amount of water appear to confirm that the spin-spin relaxation time does depend on the relative amount of water as reported by Matyash et al (this journal, 2, 214, 1962). On the other hand the self-diffusion coefficient of water molecules in zeolites is universely proportional to the line width ΔH. The correlation between ΔH and τ_i/τ is shown below

Cation	K	Na	Ca	Li	Mg
ΔH oe	0.08	0.09	0.17	0.17	0.48
τ_i/τ	0.05	1.46	2.16	3.48	8.63

where τ_i is the mean life of water molecules near the corresponding cation and τ is the corresponding equilibrium value in pure water. There are 2 figures and 1 table.

ASSOCIATION: Fiziko-tekhnicheskiy institut nizkikh temperatur AN USSR (Physico-Technical Low Temperature Institute of the AS UkrSSR) Institut fizicheskoy khimii AN USSR (Institute of Physical Chemistry of the AS UkrSSR)

SUBMITTED: May 28, 1962

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, M. A.

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PHASE I BOOK EXPLOITATION SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye (Synthetic Zeolites: Production, Investigation, and Use). Moscow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady) Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor of Chemical Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P. Golub'.

PURPOSE: This book is intended for scientists and engineers engaged in the production of synthetic zeolites (molecular sieves), and for chemists in general.

Card 1/12

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

Synthetic Zeolites: (Cont.) SOV/6246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensovet, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

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Dubinin, M. M. Introduction 5

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

SOV/6246

Synthetic Zeolites: (Cont.)

Tsitsishvili, G. V., and G. D. Bagratishvili. IR Spectra of Water and Heavy Water Adsorbed on Zeolites 38

Shirinskaya, L. P., and N. F. Yermolenko. Applicability of the General Laws of Ion Exchange to Exchange on Synthetic Zeolite CaA 41

Neymark, I. Ye., A. I. Rastrenenko, V. P. Fedorovskaya, and A. S. Plachinda. Variation of Adsorption Properties of Zeolites as a Function of the Degree of Sodium-Ion Substitution by Other Cations 46

Neymark, I. Ye., M. A. Piontkovskaya, A. Ye. Lukash, and R. S. Tyutyunnik. Variation of the Selective Capacity of Synthetic Zeolites 49

Lulova, N. I., L. I. Piguzova, A. I. Tarasov, and A. K. Fedosova. Investigation of Synthetic Zeolites With the Aid of Gas Chromatography 59

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

KEYMARK, I.Ye.; PIONTKOVSKAYA, M.A.; LUKASH, A.Ye.; TYUTYUNNIK, R.S.

Synthesis of artificial zeolites and study of their adsorption properties [with summary in English]. Koll.zhur. 23 no.4: 454-461 Jl-Ag '61. (MIRA 14:8)

1. Institut fizicheskoy khimii AN USSR im. L.V. Pisarzhevskogo.
(Zeolites (Adsorption)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, M.A.; NEYMARK, I.Ye.; ZHUGAYLO, Ya.V. [Zhuhailo, IA.V.]; KUKOVSKIY, Ye.G. [Kukovskyi, E.H.]

Change in the structure of titanium gel catalysts in ethyl alcohol dehydration. Ukr. khim. zhur. 27 no.4:447-454 '61. (MIRA 14:7)

1. Institut fizicheskoy khimii im. L.V.Pisarzhevskogo AN USSR.
(Titanium) (Catalysts) (Ethyl alcohol)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

SHALYA, V.V.; PIONTKOVSKAYA, M.A.; POLYAKOV, M.V.

Oxidation kinetics of a propane-butane mixture in the presence of platinum and vanadium pentoxide. Ukr. khim. zhur. 27 no.2:184-189 '61. (MIRA 14:3)

1. Institut fizicheskoy khimii im. L. V. Pisarzhevskogo AN USSR.
(Oxidation) (Propane) (Butane)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

ROGINSKIY, S.Z.; YANOVSKIY, M.I.; LU PEY-CHZHAN; GAZIYEV, G.A.; ZHABROVA, G.M.; KADENATSI, B.M.; BRAZHNIKOV, V.V.; NEYMARK, I.Ye.; PIONTKOVSKAYA, M.A.

Chromatographic determination of the adsorption isotherms of gases and of the specific surface of solids. Kin. i kat. 1 no.2:287-293 Jl-Ag '60. (MIRA 13:8)

1. Institut fizicheskoy khimii AN SSSR.
(Adsorption)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

NEYMARK, I.Ye., PIONTKOVSKAYA, M.A., LUKASH, A.Ye., TYUTYUNNIK, R.S.

Preparation and adsorption properties of synthetic zeolite. Kolloidn. zhur. 22 no.2:251-253 Mr-Ap '60. (MIRA 13:8)

1. Institut fizicheskoy khimii AN USSR im. L.V. Pisarzhevskogo, Kiyev.

(Zeolites)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

NIKOLINA, V.Ya.; NEYMARK, I.Ye.; PIONTKOVSKAYA, M.A.

Molecular sieves (preparation, properties, applications). Usp. khim. 29 no.9:1088-1111 S '60. (MIRA 13:9)

1. Institut Fizicheskoy khimii AN USSR i Nauchno-issledovatel'skiy institut osnovnoy khimii.
(Sorbents) (Zeolites)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

5(4)

AUTHORS: Kiselev, A. V., Neymark [illegible], SOV/[illegible]
Roshkus, D. P., Fichtenvskaya, M. A.

TITLE: Change of Porous Structure of Magnesium Hydroxide During Heat Treatment (Izmeneniye [illegible] struktury [illegible] pri termicheskoy obrabotke

PERIODICAL: Izvestiya Akademii nauk [illegible]. Otdeleniye khimicheskikh nauk [illegible] 1959, Nr 2, pp [illegible] (USSR)

ABSTRACT: In the present paper the change of the porous structure of magnesium hydroxide [illegible] heat treatment in the vacuum was investigated in air at temperature range. It was found that the magnesium hydroxide [illegible] at [illegible] represents a broad-porous sample [illegible] with large pore volume V_s = 0.[illegible] cm³/g. The values of the specific surface of the skeleton and of the adsorption layer stand apart [illegible] one another in the initial sample. This indicates that therein micropores are [illegible] on the external, which are filled up [illegible] adsorption [illegible] with a hysteresis. On the [illegible] of this hydroxide [illegible] the specific surface is considerably increased at [illegible]

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Change of Porous Structure of Magnesia [illegible]
During Heat Treatment

about the 3-fold. Volume [illegible] size of the [illegible] capillary condensation [illegible] remain [illegible]. The formation [illegible] structure is due to [illegible] tion from the [illegible] and to the [illegible] the crystal structure of $Mg(OH)_2$ into MgO [illegible] the molar volumes are [illegible]. At 550° the [illegible] bi-disperse structure [illegible] the [illegible] porous structure [illegible] structure are traversed by [illegible] cracks [illegible] increase of the calcination temperature up to 700° [illegible] already a certain [illegible] specific surface [illegible]. On further [illegible] temperature up to 1000 and 1100° as the [illegible] considerably [illegible] size but also the surface [illegible] the desorption layer [illegible] volume of the pores V_p [illegible]. In samples [illegible] 1400° the size of the [illegible] surface [illegible] as large as the size [illegible] desorption layer [illegible] that in this sample the [illegible] pores disappear [illegible]

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Change of Porous Structure of Magnesium Hydroxide [illegible]
During Heat Treatment

passes over again in [illegible] fine and coarse, porous into a homogeneous coarsely porous one. [illegible] 3 figures, 1 table, and [illegible] references, [illegible]

ASSOCIATION: Institute Fizicheskoy Khimii Akademii Nauk SSSR [illegible] of Physical Chemistry of the Academies of Sciences, [illegible] USSR Moskovskiy Gosudarstvennyy Universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: [illegible]

Card 3/3

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

LEONT'YEV, Ye.A.; LUK'YANOVICH, V.M.; NEYMARK, I.Ye.; PIONTKOVSKAYA, M.A.

Structure of titanium dioxide gels investigated independent methods. AN SSSR. Otd. khim. nauk no.9:1037-1044 S '58. (MIRA 11:10)

1.Institut fizicheskoy khimii AN SSSR i Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo AN Ukrainskoy SSR.
(Titanium oxides) (Chemical structure)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

TITLE.

ABSTRACT.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

Investigation of the Structure of [illegible]
Ge.8 of Independent Methods

of the adsorbed particles [illegible]
packed. There are 2 figures, [illegible]
[illegible] which are Soviet.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry, AS USSR) Institut fizicheskoy khimii im.L.V.Pisarzhevskogo Akademii [illegible] (Institute of Physical Chemistry [illegible] AS UkrSSR)

SUBMITTED: March 28, 1957

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

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

Abs Jour: Referat. Zhurnal Khimya, No 2, 1958, 4016.

Author : I.Ye. Neymark, A.I. Rastrenenko, M.A. Piontkovskaya.
Inst :
Title : Preparation of Titanium Silica Gels and Their Porous Structure.

Orig Pub: Kolloidn. zh., 1957, 19, No 3, 324-332.

Abstract: Methods of preparation of titanium silica gels (TSG) and titanium gels (TG) of various texture (total porosity from 0.3 to 2.2 cub.cm per g) and with TiO_2 content up to 22% were developed. The texture of TSG was studied by measuring the apparent and true density and by taking down the isotherms of methanol vapor sorption at 20°, which were used for the computation of the specific surface and the distribution of pores according to their radii. It is shown that the conditions of TSG and TG preparation influence the final texture

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

NEYMARK, I.Ye.; PIONTKOVSKAYA, M.A.; SLINYAKOVA, I.B.

Structure and sorptive capacity of Ukrainian bentonites.
Bent. gliny Ukr. no.1:47-52 '55. (MIRA 12:12)

1.Institut fizicheskoy khimii AN USSR.
(Ukraine--Bentonite)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, S.

ZEMSKAYA, A.A.; PIONTKOVSKAYA, S.P.

Gamasid mites occurring on Myospalax myospalax Laxmann in the region of reclaimed virgin lands of East Kazakhstan Province. Paraz. sbor. 17:38-44 '57. (MIRA 11:3)

1. Otdel parazitologii i meditsinskoy zoologii Instituta epidemiologii i mikrobiologii im. pochetnogo akademika N.F. Gamaleya AMN SSSR
(Shemonaikha District--Mites) (Parasites--Field mice)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

KOMAROV, Boris Sergeyevich, prof. [deceased]; PIONTKOVSKIY, B.A., otv.red.; BELIKOV, B.S., red.; MARKOCH, K.G., tekhn.red.

[Current supply for wire communication] Elektropitanie predpriiatii provodnoi sviazi. Izd.2., ispr. i dop. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1958. 351 p. (MIRA 11:12)
(Telephone--Current supply) (Telegraph--Current supply)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

AUTHOR: Piontkovskiy, B.A. SOV/106-5[illegible]11/17

TITLE. The Calculation of Filtration Coefficient from a given Value of Psophometric Noise Voltage (Raschet koeffitsiyenta fil'tratsii po zadannomu znacheniyu psofometricheskogo napryazheniya shuma)

PERIODICAL: Elektrosvyaz', 1958, Nr 9, pp. 66 - 70 (USSR)

ABSTRACT: The outputs from d.c. generators and from rectified a.c. systems contain harmonics which must be suppressed. The harmonics may be due to tooth or commutator ripple or to the process of rectification. The psophometric voltage at the output of a converter is determined from (1). The value of α_n in this expression is fixed by the curve in the CCIR Recommendation, 1954 (Fig 1). This curve does not show the necessary values in sufficient detail at frequencies below 1 kc/s and these are given in Table 1. The ratio between the filtrations possible at two frequencies is given by (2) and the derived value of psophometric voltage is given by (4). The frequency of the tooth ripple depends on the number of teeth round the circumference of the armature and the speed of rotation.

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SOV/1.6-58-9-11/17

The Calculation of Filtration Coefficient from a given Value of Psophometric Noise Voltage

For ordinary machines the value of this frequency will lie within the limits 500 - 1000 c/s and the output voltage at this frequency constitutes between 0.5% and 4% of the generator voltage. When the slots are inclined the output is very much less. The commutator ripple frequency depends on the number of commutator bars and the speed of rotation. This frequency usually lies between 600 and 3000 c/s and the corresponding output may amount to 4% of the generator voltage. Harmonics due to eccentricity of the armature occur at a very low frequency, (15 - 50 c/s) and are of an extremely small amplitude ($\varepsilon \leq 0.7\%$). To calculate the psophometric voltage from an electrical machine (5) may be used where the value of f_1 may be taken as 500 c/s. The calculation for the output from a rectifier system is more complicated but use may be made of the fact that the frequencies themselves bear a strict relationship to one another. Eq (6) determines the value of the voltage at the n-th harmonic in terms of the overlap angle γ. The structure of the frequency spectrum is found from (7) and depends on the

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SOV/[illegible]

Calculation of Filtration Coefficient from a given Value of Electric Noise Voltage

frequency of the supply, the number of phases [illegible] rectified half-periods. A filter guaranteeing reduction of rectifier ripple to an acceptable level [illegible] ned as one which reduces the voltage of the first harmonic by a factor q_1 given in (13). The quantity S in [illegible] formula is found from Table [illegible] where it is tabulated in terms of overlap angle and the value of first harmonic for various rectifier arrangements. The method [illegible] may be used for calculating filters which consist only of L-C elements and batteries but include [illegible] circuits. Example: output voltage, [illegible]V; [illegible] level, 2.4 mV; 3-phase, full-wave rectification; overlap angle ℓ, 40°. From Table 2 we find that S [illegible] (1.[illegible]), [illegible]. This means that the filter [illegible] be designed to reduce the first harmonic (f_1 = [illegible])

Card 3/[illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

The Calculation of Filtration Coefficient from a Given Value of Psophometric Noise Voltage

by this factor. It should be noted that if in practice the smoothing choke in the rectifier [illegible] be "[illegible]" [illegible]

There is one figure; [illegible] tables and [illegible] references.

SUBMITTED: March 21, 1956

Card 4/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, S.P.; FLINT, V.Ye.; KORSHUNOVA, O.S.

Natural focus of tick-borne exanthematous fever in the Ubsu Nur trough in the Tuva A.S.S.R. Med. paraz. i paraz. bol. 32 no.5: 581-585 S-O'63 (MIRA 16:12)

1. Iz otdela prirodnoochagovykh bolezney Instituta epidemiologii i mikrobiologii imeni N.F. Gamaleĭ.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PICHTKOVSKIY, S. F.

Korsun, C. S. and [illegible]

SO: [illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

[illegible]

[illegible]

[illegible]
[illegible], 1[illegible], VII, [illegible], s. [illegible] - [illegible].

SO: Le[illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PETROVA-PIONTKOVSKAYA, S. P.

USSR/Medicine - Marseilles Fever 21 Oct 49
Carriers

"Carrier of Marseilles Fever," O. S. Korshunova, S. P. Petrova-Piontkovskaya, Inst of Epidemiol and Microbiol imeni N. F. Gamaleya.

"Dok Ak Nauk SSSR" Vol LXVIII, No 6, pp 1151-1153

Series of tests establish Rhipicephalus sanguineus as carrier of subject fever. Only female tick carries the disease. Tested effect of previous infection by subject fever on infection by various other ricketsial diseases, and found it produced immunity in exptl animals only from virus from Hyalomma marginatum. Ticks found to occur on dogs in various towns of the Crimea. Table and figure. Submitted by Acad Ye. N. Pavlovskiy 11 Aug 49.

172T43

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, S.P.

Significance of agricultural measures for eradication of tick fauna. Zool. zhurnal 30 no.4:319-324 1951. (CLML 20:11)

1. Department of Parasitology and Medical Zoology (Head--Academician Ye.N. Pavlovskiy) of the Institute of Epidemiology and Microbiology imeni Honored Academician N.F. Gamaleya (Director--Prof. V.D. Timakov, Corresponding Member of the Academy of Medical Sciences USSR) of the Academy of Medical Sciences USSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, S.P.; PAVLOVSKIY, Ye.N., redaktor.

[Rickettsia-bearing Ixodidae; method of collecting, investigating, and controlling them] Iksodovye kleshchi-perenosschiki rikketsiozov, metody sbora, issledovaniia i mery bor'by. Moskva, Izd-vo Akademii nauk SSSR, 1952. 52 p. (MLRA 5:6)

(Rickettsia) (Ticks)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, S.P.; KORSHUNOVA, O.S.; GROKHOVSKAYA, I.M.

Three natural nidi. Zool.zhur. 33 no.2:323-330 Mr-Ap '54. (MLRA 7:5)

1. Otdel parazitologii i meditsinskoy zoologii (zaveduyushchiy - akademik Ye.N.Pavlovskiy) IEM Akademii meditsinskikh nauk SSSR im. N.F.Gamaleya.
(Insects as carriers of disease) (Rodents as carriers of disease)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001340930001-0

PIONTKOVSKAYA, S.P., SIMONOVICH, Ye. N., and AYZENSHTADT, D.S.

"The Conditions for the Man's Contact with the Ectoparasites of Rodents", Problems of Regional, General, and Experimental Parasitology and Medical Zoology, Vol. 9, 1955.

Division of Parasitology and Medical Zoology, Inst. Epidemiology and Microbiology imeni N. F. Gamaleya, AMS USSR

Sum. 1305

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