"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

RACHINSKIY, V.V., prof. doktor khim. nauk; IGUMNOVA, I.A.; SALDADZE, K.M.; TURCHAK, Ye.B.

Comparative determination of the absorption capacity of anion exchangers by using the weight, statical, isotope exchange, and radiochromatographic methods. Izv. TSKHA no.6:195-201 '64 (MIRA 18:1)

1. Kafedra prikladnoy atomnoy fiziki i radiokhimii Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

L 54555-65 EWT(m)/EWG(m)/EWP(j) Pc-4 RWH/RM

ACCESSION NR: AP5016713 UR/0286/65/000/010/0016/0016

AUTHORS: Samborskiy, I. V.; Pashkov, A. B.; Saldadze, K. M.; Grachev, L. L.; Chetverikov, A. F.; Parbafenkov, A. N.; Perevozkina, G. A.; Kas'yanenko, Ye. I.

TITLE: A method for producing ion exchangers. Class 12, No. 170908

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 16

TOPIC TAGS: ion exchanger, chemical production, filler, cotton, fiber

ABSTRACT: This Author Certificate presents a method for producing ion exchangers by mixing (in a determined order) the combined components, heating, holding, cooling, and consolidating the reactive mass, which is finally crumbled and dried. To improve the mechanical, filtering, and absorption properties of the exchangers, a fibrous filler, such as cotton floss, is introduced into the reactive mixture before drying.

ASSOCIATION: Nauchno-issledovatel'skiy institut plasticheskikh mass (Scientific Research Institute of Plastics)

SUBMITTED: 24Jul64 ENCL: 00 SUB CODE: GC

NO REF SOV: 000 OTHER: 000

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

L 20379-66 EWT(m)/ETC(f)/EWG(m) RM/DS

ACC NR: AP6006545 SOURCE CODE: UR/0191/65/000/011/0039/0042

AUTHORS: Pashkov, A. B.; Saldadze, K. M.; Semenova, Ye. I.; Puchkova, I. A. 38

ORG: none B

TITLE: Heterogenic, highly basic anion-exchange membranes

SOURCE: Plasticheskiye massy, no. 11, 1965, 39-42

TOPIC TAGS: ion exchange, ion exchange membrane, ion exchange resin, copolymer, polyethylene plastic

ABSTRACT: It was the object of this investigation to construct heterogenic, highly basic anion-exchange membranes on the basis of a chloromethylated divinylbenzene-styrene copolymer and a polyethylene binder. Two types of polyethylene binders were used: low- and high-pressure polyethylene. The high basicity of the membranes was achieved by amination of the polymeric matrix with a 20% aqueous solution of trimethylamine and pyridine at different temperatures. The electrical resistivity, mechanical strength, relative elongation at the strength limit, swelling during amination, static capacity, and transference number in 0.1N NaCl of the membranes were determined. The experimental results are presented in graphs and tables (see Fig. 1). It was found that the ion-exchange properties of the constructed

Card 1/2 UDC: 661.183.123.3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

L 20379-66

ACC NR: AP6006545

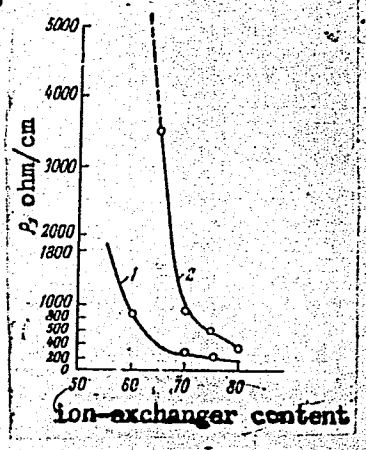

Fig. 1. Dependence of the specific electrical resistance ρ of the membranes on the basis of low- and high-pressure polyethylen ethylene, on the ion-exchanger content. Membranes on the basis of: 1 - low-pressure polyethylene; 2 - high-pressure polyethylene.

membranes were similar to the ion-exchange resin AV-17. Orig. art. has: 2 tables and 4 graphs.

SUB CODE: 11, 07/ SUBM DATE: none/ ORIG REF: 008/ OTH REF: 001

Card 2/2 vmb

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

L 34372-66 Ewi(m) DS/RM

ACC NR: AP6010744 SOURCE CODE: UR/0076/66/040/003/0561/0567 26 B

AUTHOR: Shaburov, M. A.; Saldadze, K. M.

ORG: Novokuybyshevskiy Branch, Scientific-Research Institute of Synthetic Alcohols and Organic Products (Nauchno-issiedovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov, Novokuybyshevskiy filial)

TITLE: Investigation of the behavior of the hydroxyl form of the strongly basic anion exchangers AV-17 and AV-27 upon heating in water and some alcohols

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 3, 1966, 561-567

TOPIC TAGS: anion exchange resin, thermal degradation, exchange reaction/ AV-17 anion exchange resin, AV-27 anion exchange resin

ABSTRACT: The authors investigate the stability to heating of the widespread strongly basic anion exchangers AV-12 and AV-27 in the OH-form. The preliminary preparation of the exchangers was described elsewhere (N. G. Polyanskiy, M. A. Shaburov, Zh. analit. khimii, 18, 304, 1963; Zh. analit. khimii, 117, 1965). The only difference was in the methodology of investigation of the liquid phase in which the AV-27 was heated. Heating of AV-27 resins at 100C was found to cause a slight loss of total exchange capacity (18% in 10 days). At 75C, the loss is 8% in the same period. In alcohol media, a slight increase in the loss of exchange

Card 1/2 UDC: 543.544

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAK, Bronislaw

Social health services in People's Poland in the years 1944-1964 Mr '65. Praca zdrowotna spol 7 no.3:10-20 Mr '65.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

KITA-BADAK, M.; BADAK, J.; SALDAN, M.

Remarks on the occurrence and origin of the uranium-bearing shales of the menilite series in the Middle Carpathians. Bul geolog PAN 11 no.2:71-77 '64.

1. Carpathian Field Station in Krakow of the Institute of Geology and Institute of Geology, Warsaw. Presented by A. Bolewski.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

KITA-BADAK, Maria; BADAK, Jerzy; SALDAN, Marian

Characteristics of the uranium bearing schists of the menilite series in the Central Carpathians. Kwartalnik geol 9 no.1: 137-156 '65.

1. Carpathian Field Station, Krakow, and Department of Rare and Radioactive Element Deposits of the Institute of Geology, Warsaw. Submitted March 31, 1964.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BORUCKI, Jerzy; SALDAN, Marian

Natural radioactivity and absolute age (K—Ar) of the crystalline rocks from the Rzeszotary IG-2 borehole. Kwartalnik geol 9 no.1: 1-16 '65.

1. Department of Rare and Radioactive Element Deposits of the Institute of Geology, Warsaw. Submitted July 13, 1964.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SAIDATSENKA, Ye. I.; MOTUZ, K., red.; KALECHYTS, G., tekhn. red.

[Increasing farm production is a task for all the people] Uzdym sel'skai haspadarki - usenarodnaia zadacha. Minsk, Dziarzh. vyd-va BSSR, 1955. 159 p. (MIRA 11:7)

(Agriculture)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SAL'DAU, E. P. Cand Geol-Min Sci -- (diss) "Roentgenometrical study of iron oxides and hydroxides. ~~of iron~~" Len, 1957. 10 pp with graphs (Min of Higher Education USSR. Len Order of Lenin and Order of Labor Red Banner Mining Inst im G. V. Plekhanov), 100 copies (KL, 4-58, 81)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

STULOV, N.N.; SHAFRANOVSKIY, I.I.; MOKIYEVSKIY, V.A.; POPOV, G.M.; BETEKHTIN, A.G.; NIKOLAYEV, V.A.; ANSHELES, O.M.; GRIGOR'YEV, D.P.; YEROFEYEV, B.N.; TATARSKIY, V.B.; SOLOV'YEV, S.P.; NIKITIN, V.D.; RUDENKO, S.A.; DUBININA, V.N.; ALYAVDIN, V.F.; VLADIMIROV, B.N.; KAZITSYN, Yu.V.; FRANK-KAMENETSKIY, V.A.; KALININ, A.I.; BALASHOVA, M.N.; SAL'DAU, E.P.; DOLIVO-DOBROVOL'SKAYA, G.M.; LAVRENT'YEV, M.F.

Viktor Ivanovich Mikheev. Zap. Vses. min. ob-va 86 no.2:317-320 '57. (MLRA 10:6)
(Mikheev, Viktor Ivanovich, 1912-1956)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; SAL'DAU, E.P.; STULOV, N.N.

The Fedorov anniversary session. Zap.Vses.min.ob-va 86 no.5:632-639 '57. (MIRA 10:10)

(Mineralogy)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; SAL'DAU, E.P.

Scientific Session of the Fedorov Institute in conjunction with the All-Union Mineralogical Society. Zap. Vses. min. ob-va 87 no.5: 624-632 '58. (MIRA 12:1)

(Petrology)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SAL'DAU, E.P.

Relationship between refractive indices, dimenisons of the elementary cell, and the composition of forsterite-fayalite series. Zap.Vses. min.ob-va 88 no.3:234-239 '59. (MIRA 12:11)

1. Kafedra kristallografii Leningradskogo gornogo instituta, deystvitel'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva.
(Chrysolite)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; SAL'DAU, E.P.; MOKIYEVSKIY, V.A.

Scientific session on crystallography dedicated to the 40th anniversary of death of Evgraf Stepanovich Fedorov. Zap. Vses. min. ob-va 88 no.5:615-632 '59. (MIRA 13:2)
(Fedorov, Evgraf Stepanovich, 1853-1919)
(Crystallography)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

CHERNOPYATOV, S.F., SAL'DAU, E.P.

Bismuthine in ores of the Sadon deposit. Zap. Vses. min. ob-va 88 no.6:720-722 '59. (MIRA 13:8)

1. Deystvitel'nyye chleny Vsesoyuznogo mineralogicheskogo Obshchestva.

(Sadon region--Bismuthine)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SHAFRANOVSKIY, I.I., prof. Prinimali uchastiye: MOKIYEVSKIY, V.A.; STULOV, N.N.; GENDELEV, S.Sh.; PIS'MENNYY, V.A.; BALASHOVA, M.N.; MIKHEYEVA, I.V.; SAL'DAU, E.P.; KALININ, A.I.; DOLIVO-DOBROVOL'SKAYA, G.M. PIOTROVSKIY, G.L., dotsent, otv.red.; FURMAN, K.P., red.; MALYAVKO, A.V., tekhred.

[Lectures on the morphology of mineral crystals] Lektsii po kristallomorfologii mineralov. L'vov, Izd-vo L'vovskogo univ., 1960. 161 p. (MIRA 14:1)

1. Kafedra kristallografii Leningradskogo gornogo instituta (for Mokiyevskiy, Stulov, Gendelev, Pis'mennyy, Balashova, Mikheyeva, Sal'dau, Kalinin, Dolivo-Dobrovol'skaya).
(Minerals) (Crystals)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

FRANK-KAMENETSKIY, V.A.; MIKHEYEVA, I.V.; SAL'DAU, E.P.

First all-Union conference held in Kiev on X-ray study of raw minerals. Zap.Vses.min.ob-va 89 no.2:257-259 '60. (MIRA 13:7)

1. Deystviel'nyye chleny Vsesoyuznogo mineralogicheskogo obshchestva. (Mineralogy) (X rays--Industrial applications)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; MOKIYEVSKIY, V.A.; SAL'DAU, E.P.

Joint scientific session of the Fedorov Institute and the All-Union Mineralogical Society. Zap. Vses. min. ob-va 89 no.5:611-620 '60. (MIRA 13:10)

(Mineralogy)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

MIKHEYEV, V.I. [deceased]; KALININ, A.I.; SAL'DAU, E.P.

X-ray study of platinum from the Noril'sk deposit. Zap. LGI 38 no.2:99-106 '61. (MIRA 15:1)

(Noril'sk region--Platinum)
(X-rays--Industrial applications)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SAL'DAU, E.P.

X-ray study of the dehydration products of goethite and lepidocrocite. (MIRA 15:1)
Zap. LGI 38 no.2:140-149 '61.
(Goethite) (X-rays--Industrial applications)
(Lepidocrocite)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; SAL'DAU, E.P.; MOKIYEVSKIY, V.A.

Conference of the Fedorovskii Institute and the All-Union Mineralogical Society. Zap.Vses.min.ob-va 90 no.5:616-628 '61. (MIRA 14:10)

(Mineralogical societies)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; SAL'DAU, E.P.; MOKIYEVSKIY, V.A.

Fedorov meeting on the occasion of the 50th anniversary of the discovery of X-ray diffraction. Zap.Vses.min.ob-va 91 no.5:621-634 '62. (MIRA 15:11)
(X-ray crystallography)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

LUNTS, A.Ya.; SAL'DAU, E.P.

Genthelvite from pegmatites in the Kola Peninsula. Zap.Vses.min.ob-va 92 no.1:81-84 '63. (MIRA 16:4)
(Koka Peninsula—Genthelvite) (Kola Peninsula—Pegmatites)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; SAL'DAU, E.P.

Session of the Feodorov Institute and the All-Union Mineralogical Society. Zap. Vses. min. ob-va 92 no.5:617-626 '63. (MIRA 17:1)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

FRANK-KAMENETSKIY, V.A.; SAL'DAU, E.P.; SOKOLOVA, Ye.P.

Second All-Union Conference on the X-Ray Diffraction of Minerals.
Zap. Vses. min. ob-va 93 no.1:118-120 '64 (MIRA 18:2)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; MORITEVSKIY, V.A.; SAL'DAU, E.P.

Joint meeting of the Fedorov Institute and Mineralogical Society of the U.S.S.R. Zap.Vses.min.ob-va 93 no.6:727-735 '64. (MIRA 18:4)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

MIKHEYEV, V.I.; SAL'DAU, E.P.; MIKHEYEVA, I.V., red.; SHVETSOVA, E.M., ved. red.

[X-ray guide to minerals] Rentgenometricheskii opredelitel' mineralov. Leningrad, Nedra. Vol.2. 1965. 362 p. (MIRA 18:7)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

ALYAVDIN, V.F.; BONSHTEDT-KUPLETSKAYA, E.M.; GODLEVSKIY, M.N., doktor geol.-mineral.nauk; KOMKOV, A.I.; KUKHARENKO A.A., prof.; SAL'DAU, E.P.; SMOL'YANINOVA, N.N.; BORNEMAN-STARYNKEVICH, I.D.; TATARSKIY, V.B., prof.; FRANK-KAMENETSKIY, V.A.

From the Commission on New Minerals of the Minerological Society of the U.S.S.R. Zap.Vses.min.ob-va 94 no.5:555-565 '65. (MIRA 18:11)

1. Komissiya po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva. 2. Predsedatel' Komissii po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva (for Frank-Kamenetskiy). 3. Zamestitel' predsedatelya Komissii po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva (for Bonshtedt-Kupletskaya). 4. Sekretar' Komissii po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva (for Sal'dau).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

BALASHOVA, M.N.; MOKIYEVSKIY, V.A.; SAL'DAU, E.P.

Joint session of the Fedorov Institute and the Mineralogical Society of the U.S.S.R. Zap. Vses. min. ob-va 94 no.6: 737-748 '65. (MIRA 18:12)

1. Deystvitel'nyye chleny Vsesoyuznogo mineralogicheskogo obshchestva (for Mokiyevskiy, Sal'dau).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SAL'DAU, N. P.

SAL'DAU, N. P. "The feeding of fish in the Ob'-Irtysh basin", Izvestiya Vsesoyuz. nauch.-issled. in-ta ozer. i rech. ryb. khoz-va, Vol. XXVIII, 1949, p. 175-225, - Bibliog: p. 225.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

CA

12

Disinfection of grain and flour with chloropicrin and other volatile substances. P. YA. SAL'DAU, V. I. POSPELOV, A. D. PETROV AND V. B. ISACHENKO. *Trans. State Inst. Applied Chemistry* (Moscow), No. 10, 90-107(1928).—The disinfection powers of $CH_3COOC_2H_5$, CCl_3NO_2, CCl_4 and CS_2 were compared. Preliminary expts. were conducted with the insects *Calandra granaria*, *Pachymerus chinensis* and *Aleurobius farinae*. CCl_3NO_2 is 8-10 times more toxic than CS_2. In vacant buildings the application of CCl_3NO_2 (10 cc. to 1 cu. m. of space) was fully effective. In a container on the top of the grain or flour CS_2 penetrates the fastest, but the CCl_3NO_2 is more toxic. The absorption of the insecticide is greatest in flour and least in lentils, with wheat, rye and oats following between the two extremes. CCl_3NO_2 decreases the germination of wheat, has no effect on lentils and stimulates the germination of oats. CCl_3NO_2 is more efficient and cheaper than the other disinfectants tested. It is even superior in this respect to cyanide, as the CCl_3NO_2 can be used in sep. rooms of a building without interfering with the other rooms.

J. S. JOFFE

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

PROCESSES AND PROPERTIES INDEX

9

A. J. MONACK

Present methods of the manufacture of nonferrous metals in Canada. P. YA. SHLDAU. *J. Russ. Met. Soc.* 1929, Mem. 131-77, 187-227. E. J. C.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

CA

9

PROCESSES AND PROPERTIES INDEX

Curve of the solubility of copper in aluminum in solid state. P. YA. SALDAU AND YN. ANISSIMOV. *Zapiski Gornovo Inst.* (Moscow) 7, No. 3, 139-49(1929).—The limit of solid soln. at 15° is 2.7% Cu. Hardness of the quenched samples begins to increase at 2.7% Cu and reaches its climax at 6% Cu. E. I. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

Transformations of the β-phase of copper-zinc alloys. P. YA. SALDAU AND I. V. SHMIDT. *Ann. inst. anal. phys.-chim.* (Leningrad) 5, 201-22(1931). Heating samples of brass at 440° for 84 days showed no decompn. of the β-phase into α and γ, which Carpenter and Edwards (*C. A.* 5, 1392) suggested takes place at 470°. Microscopic investigation of samples hardened at 480° and higher showed that the β-phase at this temp. corresponds to 51.39 at. % and widens with increase in temp. In the interval between 480° and 440° transformation of β into another modification is suggested, the latter being designated by δ. J. G. TOTRIS

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3rd AND 4TH ORDERS

Solid Solubility of Aluminium and Zinc in Magnesium in Relation to Temperature. P. J. Saldau and V. S. Sokolov (*Trudy Nauchno Issledovatelskogo Instituta Legkikh Mietallov—"NIISALUMINI"* (*Transactions of the Scientific Research Institute for Light Metals—"NIISALUMINI."* **1962**, (1-2), 57-62).—[In Russian.] From a microscopic examination of alloys annealed for 24 days *in vacuo* at different temperatures and quenched, the limits of solid solubility of aluminium and zinc (1 : 1 weight ratio) in magnesium have been found to be: at room temperature, 1·1 and 1·6; at 250° C., 2·45 and 2·85; at 300° C., 2·30 and 2·75; at 350° C., 4·30 and 4·60; and at 400° C., 3·04 and 4·0%, respectively, whence the values at the eutectic temperature (351° C.) are deduced to be 4·5% for both metals.—D. N. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

COMMON ELEMENTS

OPEN

MATERIALS INDEX

COMMON VARIABLES INDEX

***Solid Solubility of Zinc and Aluminium in Magnesium in Relation to Temperature.** P. J. Saldau and N. I. Korenev (*Trudi Nauchno-Issledovatelskogo Instituta Legkikh Metallov—"NIISALUMINI"* (*Transactions of the Scientific Research Institute for Light Metals—"NIISALUMINI"*), **1953**, (3), 60-64). —[In Russian.] Microscopic examination of magnesium alloys (with a 3 : 1 weight ratio of aluminium and zinc) annealed for 24 days and quenched in water, showed the limiting solubility of these metals to be: at 20° C., 3·9 and 1·31; at 250° C., 4·84 and 1·66; at 325° C., 6·57 and 2·14; at 350° C., 7·57 and 2·50%, respectively.—D. N. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

E-Z

MATERIALS INDEX

AUTHOR INDEX

2ND LETTER

1ST AND 2ND LETTER

3RD AND 4TH ORDERS

9TH GROUPS

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

CA

Solubility of silicon in aluminum in the solid state at various temperatures. P. Ya. Saldau and M. V. Danilovich. *Ann. inst. anal. phys.-chim.* (Leningrad) 6, 81-9 (1933).—Soly. curves of Si in Al in solid state were detd. for the temp. interval 18-660°. It was found that in the interval room temp. to 300° soly. is const. and is 0.09% by wt. of Si. From 300° to 400° soly. gradually increases up to 0.3%. Above 400° it increases rapidly up to 0.48% at 480°, and to 1.26% at 560°. By extrapolating the soly. curve up to the eutectic point at 570°, the limiting soly. is found to be 1.33% by wt. Si. S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

2

"Solubility of silicon in Aluminium in the Solid State at Different Temperatures. P. J. Saldau and M. V. Danilovitsch (*Legkie Metalli* (*Light Metals*), **1962**, (9), 12–19).—[In Russian.] 12 alloys containing from 0·17 to 2·12% silicon were examined micrographically after annealing at 300°, 400°, 480°, and 560° C., either for 10 days with slow cooling or for 14 days followed by quenching. The results showed the solubility of silicon in aluminium to be less than 0·17% at 15°–300°, 0·3% at 400°; 0·65% at 480°; and 1·25% at 560° C. At the eutectic temperature (570° C.) the extrapolated value is 1·32%.—D. N. S.

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

2

*Solubility Curve of Copper in Aluminium in the Solid State. P. J. Saldau and N. G. Anisimov (*Izvestia Instituta Fiziko-Khimicheskogo Analiza* [Ann. inst. anal. phys.-chim., 1933, 6, 69-77).—[In Russian.] Cf. *J. Inst. Metals*, 1928, 40, 496; 1931, 47, 73, 430).—S. G.

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

1ST AND 2ND LETTER

2ND LETTER

3RD AND 4TH ORDERS

1ST ORDERS

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

PROCESSES AND PROPERTIES INDEX

CH

9

Reasons for differences in the results obtained by various authors for the solubility of copper in aluminum in solid state. P. Ya. Saldau. *Ann. inst. anal. phys.-chim.* (Leningrad) 6, [illegible] (1933).—A comparison is made between the results obtained by S. and Anisimov (cf. C. A. 21, 3801) and those of Dix and Richardson (cf. C. A. 20, 2652), and the discrepancy is explained on the ground that in the case of the last investigators, because of insufficient time (0.5 hr.) of cooling the alloy, equil. was not reached. S. and A. kept the alloy at the tempering temp. for a week. There was also a difference in the size of the samples, it being smaller in the work of S. and A.

S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

m

2

***The Solid Solubility of Magnesium in Aluminium at Different Temperatures.** P. J. Saklau and L. N. Sergeev (*Metallurg* (*Metallurgist*), **1934**, (4), 67–70).—[In Russian.] From the microstructure of quenched alloys the following values for the solid solubility of magnesium in aluminium have been obtained: at 435° C., 14·08%; 370° C., 10·02%; 336° C., 8·36%; 285° C., 6·82%; 196° C., 4·74%; after slow cooling, 3·08%.—N. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

***The Solid Solubility of Aluminium in Magnesium as a Function of Temperature.** P. J. Saldau and M. I. Zamotorin (*Izvestia Instituta Fiziko-Khimicheskogo Analiza* (*Ann. Inst. Anal. Phys.-Chim.*), 1935, 7, 21-30; *Brit. Chem. Abs.*, **1936**, [A], 576).—[In Russian.] The solid solubility of aluminium in magnesium was found to be 20°-300° C., 6·08; 400° C., 10·9; 436° C., 12·6% (eutectic).—S. G.

COMMON ELEMENTS

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

1ST AND 2ND LETTER

AUTHOR INDEX

2ND LETTER

3RD AND 4TH ORDERS

1ST GROUPS

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

Solubility of the $MgZn_2$ compound in aluminum in the solid state at various temperatures. P. Va. Sal'dau and M. I. Zamotorin. *Ann. inst. anal. phys. chim.* (U. S. S. R.) 7, 31-8(1935).—Al alloys contg. 1.35% $MgZn_2$ were held at 460° for 30 days and then either immediately water-quenched or cooled to 300° and 400° and held at these temps. for 5 days and then water-quenched. The curves developed from microscopic examn. show the following solubilities of $MgZn_2$ in Al: 15° 1.58, 300° 3.57, 460° 24.7%, and at 475° the eutectic line is crossed with about 30% $MgZn_2$ in Al. C. B.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

Equilibrium diagram of the system magnesium–lithium. P. I. SCHAMRAI and P. J. SALDAU (Bull. Acad. Sci. U.R.S.S., 1936, Ser. Chim., 349—362).—Mg–Li alloys containing <5% Li are less corrodible than pure Mg, whilst alloys containing <15% Li are found to possess satisfactory mechanical properties. The solid solubility of Li in Mg (α-phase) rises from 10 at.-% at 18° to 12·5 at 465°, 19 at 500°, and 21% at 588° (eutectic). The β-phase (29—95 at.-% Li) consists of solid solutions of $LiMg_2$, m.p. 600°; the compound Li_3Mg_2 is not confirmed. The γ-phase (98—100% Li) is a solid solution of Mg in Li.

R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

PROCESSES AND PROPERTIES INDEX

Spark plug electrodes. B. Lakutin, P. Ya. Sal'dau, M. I. Zamotorin and N. V. Ageev. *Novosti Tekhniki* 1937, No. 10, 2-3.—The usual soft wire, contg. C 0.07-0.08%, was metallized in a mixt. of FeAl 10, Al_2O_3 40 and NH_4Cl 2% at a temp. somewhat higher than that of cementation, to give a material for the central spark-plug

electrode twice as stable as Ni-Mn alloy and 5 times as resistant to oxidation at 800° as pure Ni. Soft iron, contg. C 0.10-0.11 and Al 2.5-3%, after a suitable annealing, can be used for side electrodes, it is 4 times as resistant to oxidation at 800-850° as Ni. A. A. P.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

PROCESSES AND PROPERTIES INDEX

Equilibrium diagram in the system aluminum–lithium. P. I. Shamrai and P. Ya. Sal'dau. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat., Sér. chim.* **1937**, 631–40 (in French 640).—The equil. diagram of the Al–Li system was constructed on the basis of thermal and microstructural analysis. The Al used consisted of 99.81% Al, 0.61% Si and 0.08% Fe and the Li was 99.5% pure. Well-expressed max. on the liquidus and solidus point to the existence of the compd. $AlLi$, previously investigated by A. Müller (*Z. Metallkunde* **18**, 231 (1926)). A hitherto unknown eutectic between $AlLi_3$ (γ-phase) and Li (α-phase), corresponding to 94 at. % Li at 170.6°, is shown to exist. Ten references. S. L. M.

A16.5L4 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

PROCESSES AND PROPERTIES INDEX

M

2

***Ageing Phenomena in Aluminium-$MgZn_2$ Alloys.** P. J. Saldau and M. I. Zamotorin (*Izvest. Sekt. Fiziko-Khimich. Analiza* (*Ann. Sect. Anal. Phys.-Chim.*), 1938, **11**, 27–36; *C. Abs.*, 1938, **32**, 9017).—[In Russian.] (*Cf. Met. Abs.*, 1935, **2**, 671. Alloys of aluminium containing 2-30% of $MgZn_2$ were slowly cooled from 460° C. or held at that temperature for 4 hrs. and water-quenched. Time-hardness curves obtained after ageing at 15° and 100° C. showed that maximum hardness occurred in alloys containing 6–14% of $MgZn_2$. The practical limits of hardness were reached in 120 hrs. at 15° and in 20 hrs. at 100° C., although at the former temperature the true limit had not been attained even after 1000 hrs.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

Physicochemical study of the nature of reactions occurring in kaolin on heating within the temperature range of porcelain firing (1350-1400°). P. Ya. Saldau, N. A. Zhirnova and E. L. Klibinskaya. *Keram. Sbornik* 1939, No. 4, 24-44; *Bull. acad. sci. U. R. S. S., Classe sci. chim.* **1940**, No. 1, 71-0(in English, 80).—A chem. investigation showed that in samples of Prosyanovskii kaolin fired at 700-850° and treated with NH_4HF_2 the residue represents a substance in which the ratio of Al_2O_3:SiO_2 = 1:2. This shows that metakaolin or anhydride ($Al_2O_3.2SiO_2$) is obtained on dehydration. It is concluded that the exothermic reaction in kaolin at 900-1050° is the result of the effect of 2 reactions: (*a*) decompn. of metakaolin into a mixt. of amorphous Al_2O_3 + $2SiO_2$ beginning at 850-900° and ending (depending on the rate of heating) at 1050-1100° (with very slow heating and for a sufficiently long time, the decompn. of kaolin ends at 900°); (*b*) crystn. of γ-Al_2O_3 from the amorphous Al_2O_3. An exothermic effect was found at 1200-1300° (besides the 2 well-known effects): it is a physicochem. const. of the characteristics and nature of kaolin. This reaction has an independent character and always begins after the end of the first exothermic reaction taking place at 900-1050°. The temp. of the last exothermic reaction depends on the content of foreign materials, all of which lowers the reaction temp. except calcite, which has an opposite effect when present in large quantities. The chem. analysis of the residue of all samples in which the 3rd exothermic reaction was eliminated or weakened yielded the ratio of Al_2O_3:SiO_2 = 3:2, which shows that this reaction occurring around 1200° is related to the formation of mullite and not that of sillimanite as assumed by many. M. V. C.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

PROCESSES AND PROPERTIES INDEX

CA

9

Physicochemical investigation of alloys of Al with Zn and Li. T. A. Badaeva and P. Ya. Sal'dau. *J. Gen. Chem.* (U. S. S. R.) 13, 043-60(1943)(English summary). By thermal analysis and examn. of microstructure the liquidus surface of the system Al-Zn-Li was constructed. Phases in equil. with α-solid soln. of Al at room temp. are: α-solid soln. of Zn, phases (of variable compn.) γ and δ formed by a peritectic reaction, and ε-solid soln. of the compd. AlLi. By tempering and the study of microstructure the limits of α-solid soln. were detd. under various temps.

G. M. Kosolapoff

Dr. Chem Sci.

Lecturer, Leningrad Mining Inst.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

CA 9

Ternary solid solutions of copper and beryllium in aluminum. T. A. Badaeva and P. Ya. Sal'dau (Acad. Sci. U.S.S.R., Moscow). *Izvest. Sektora Fiz.-Khim. Anal., Inst. Obshchei i Neorg. Khim., Akad. Nauk S.S.S.R.* 16, No. 2, 251-74(1946).—This study was carried out on a considerable number of Al-Cu-Be alloys divided into 5 series according to the Cu:Be ratio which was 20:1, 12:1, 10:1, 7:1, 5:1, and 2:1. Within each series the Cu content was approx. 2.0-45.0 and the Be content was approx. 1.3-4.4%, except in the 2:1 series in which the Cu content was 0.07-33.67% and the Be content was 0.03-16.33%. On the liquidus line of the ternary system was found a nonvariant triple point at 558° at which the compn. was Al 70.5, Cu 29.0, and Be 0.5% by wt. In the solid state the soly. of Be in Al in the presence of Cu (4.4%) was 0.55% at 530° and 0.1% (0.24% Cu) at room temp. Coexisting with the ternary solid soln. were the phases β ($CuAl_2$), γ ($CuBe_2$), and ε (a Be base solid soln.). The corrosion resistance of the ternary alloy with up to 0.3% of Be in 3% HCl was greater than of Al-Cu alloys.

M. Hosch

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

PROCESSES AND PROPERTIES INDEX

M

2

"The Solid Solubility of Zinc and Cerium in Magnesium [and Their Effect on Properties]. A. M. Korol'kov and P. Ya. Saklan (*Izvest. Sekt. Fiziko-Khim. Anal.*, 1946, **16**, (2), 295-306).—[In Russian]. The liquidus surface in the magnesium-rich region of the system magnesium-zinc-cerium was constructed from thermal data, and the ternary eutectic point determined as lying at 311°-313° C., magnesium 50, zinc 47·5, and cerium 2·5%. The effect of cerium is to reduce the solid solubility of zinc in magnesium: at 335° C. the solubility decreases from 8·5% (with no cerium present) to 1·25% (zinc + cerium) with a zinc : cerium ratio of 1 : 1, and at 20° C. it decreases from 1·5 to 0·4%, under corresponding conditions. At the same time the age hardening capacity of the alloys diminishes, and in the case of alloys containing zinc and cerium in the ratio 1 : 1 it disappears altogether. Corrosion tests showed that additions of zinc and cerium in controlled proportions may be beneficial to alloys of the Elektron type.—N. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SAL'DAU, P. Ya.

PHASE I TREASURE ISLAND BIBLIOGRAPHIC REPORT AID 167 - I

Call No.: TN686.S3

BOOK

Author: SAL'DAU, P. Ya.

Full Title: METHOD OF ELECTRICAL CONDUCTIVITY AT HIGH TEMPERATURES AND ITS APPLICATION TO THE INVESTIGATION OF METAL ALLOYS

Transliterated Title: Metod elektroprovodnosti pri vysokikh temperaturakh i primeneniye yego dlya issledovaniya metallicheskikh splavov

Publishing Data

Originating Agency: Institute of General and Inorganic Chemistry im. N. S. Kurganov, Academy of Sciences, USSR

Publishing House: Publishing House of the Academy of Sciences, USSR

Date: 1952 No. pp.: 277 No. of copies: 2,500

Editorial Staff

Editor: Eshman, Yu. A. Tech. Ed.: None

Editor-in-Chief (Scientific): Urazov, G. G., Academician Appraiser: None

Text Data

Coverage: This book is a collection and revision of previously published materials on the author's method for determining the characteristics of metal alloys when thermal methods are not applicable by investigation of their electrical conductivity at high temperatures. This method is recommended particularly in the manufacture of special

1/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

Metod elektroprovodnosti pri vysokikh temperaturakh i primeneniye ego dlya issledovaniya metallicheskikh splavov

AID 167 - I

steels and aluminium and magnesium alloys. The first part of the book describes an apparatus for measuring the electrical resistance of metal alloys at temperatures up to 1150° perfected by the author in 1914. The results of his experiments are shown in graphs and diagrams. In the second part the use of this method is illustrated by examples, showing its application to the investigation of structural diagrams of metal systems.

Because the material cited is old, and the approach partly historical, the book does not seem to be of particular interest.

Purpose: Not given

Facilities: None

No. of Russian and Slavic References: Of total 105, 30 are Russian, and there are no references later than 1934.

Available: Library of Congress.

2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SAL'DAU, P. YA.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Sal'dau, P. Ya.	"The Process of Electrical Conducivity at High Temperatures and Its Use in the Investigation of Matallic Alloys"	Leningrad Mining Institute

SO: W-30664, 7 July 1954

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAU, P. Ya.

"Investigations of Graphs of Stable Systems of High-Meltable Oxides" lecture given at the International Metallurgists Conference, Moscow 26-30 June 56

Source CS-3,302,240, 11 Jan 57.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

15-57-2-1732

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2, p 85 (USSR)

AUTHORS: Epshteyn, R. Ya., Sal'dau, P. Ya.

TITLE: A Physical-Chemical Study of the Ternary System $MgO-Cr_2O_3-ZrO_2$ (Fiziko-khimicheskoye issledovaniye troynoy sistemy $MgO-Cr_2O_3-ZrO_2$)

PERIODICAL: Zap. Leningr. gorn. in-ta, 1956, Vol 32, Nr 3, pp 285-312

ABSTRACT: The authors emphasize the practical value of the investigated system for the problem of obtaining new highly refractory materials. They present a survey of the literature on earlier studies of the systems $MgO-ZrO_2$, $MgO-Cr_2O_3$, and $ZrO_2-Cr_2O_3$. The system $MgO-Cr_2O_3-ZrO_2$ was studied by thermal, chemical, microscopic, and X-ray methods. The initial materials were commercial magnesium oxide (99.25 percent MgO),

Card 1/5

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

chromium oxide (99.91 percent Cr_2O_3), and zirconium dioxide (99.82 percent ZrO_2). The material was mixed in an alcohol solution of bakelite and a three-sided pyramid was made from the tough paste (25 mm to 30 mm high, 7 mm to 8 mm along the edge of the base). After drying, the pyramids were heated at 900° to 1000° (except for samples with a high content of ZrO_2). The material was fused in an oxygen-acetylene flame in a furnace of the Ruff type, modified by P. Ya. Sal'dau and N. A. Zhirnova. The body of the furnace was of alundum with a lining in the working space of a layer of zirconium dioxide. The temperature of fusion was determined by several runs, repeated four or five times or averaged from several (no less than five) nearly identical measurements. An oxidizing flame was obtained by feeding acetylene under a pressure of 1 atm and oxygen at a pressure of 3 atm into the jet. The following equal concentrations were prepared: 1) zirconium oxide with contents from 10 to 90 molecular percent of ZrO_2, through each 10 percent; 2) magnesium oxide with contents of 10 and 20 molecular percent; and

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

3) chromium oxide with contents of 10 and 20 molecular percent. Chemical analyses were made of the fused apex of the pyramids. A diagram was constructed to show the projection of the liquidus surface of the system (see Figure). Two ternary eutectics were recognized: 1) 50 percent (molecular) MgO, 17 percent Cr_2O_3, and 33 percent ZrO_2, melting at 1980°; and 2) 20 percent MgO, 48 percent Cr_2O_3, and 32 percent ZrO_2, melting at 1860°. The composition at the triple conversion point P (the point of double elevation) is 20 percent MgO, 57 percent Cr_2O_3, and 23 percent ZrO_2, with a fusion temperature of 1940°. In the pseudobinary system ZrO_2-MgO-Cr_2O_3, there is a eutectic at 2070° with a composition of 28 percent MgO, 28 percent Cr_2O_3, and 44 percent ZrO_2. X-ray data, that are not quite clear, indicate, provisionally, that very limited ternary solid solutions are superimposed on the diagram, lying along the sides Cr_2O_3-ZrO_2 and Cr_2O_3-MgO. Triple solid solutions were demonstrated in the region next to the double solid solutions in the system MgO-ZrO_2. The limiting concentration of the solid solution

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

is 12 percent Cr_2O_3 and 20 percent MgO. The fusion temperature of mixtures in this region ranges from 2200° to 2600° and such compositons are most interesting to those searching for highly refractory materials.

Card 4/5

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

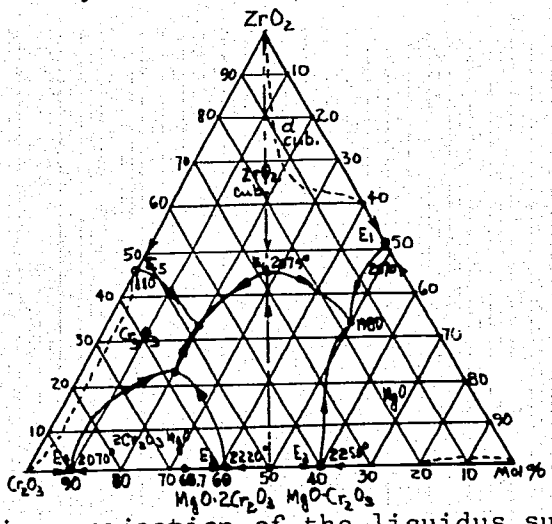

Diagram showing projection of the liquidus surface for the system $MgO-Cr_2O_3-ZrO_2$

Card 5/5

V. V. L.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

15-57-2-1733

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2, pp 85-86 (USSR)

AUTHORS: Smachnaya, V. F., Sal'dau, P. Ya.

TITLE: A Physical-Chemical Study of the System Cr_2O_3 (Finding New Highly Refractory Materials) /Fiziko-khimicheskoye issledovaniye sistemy Cr_2O_3-SiO_2 (K probleme nakhozhdeniya novykh vysoko-ogneupornykh materialov)/

PERIODICAL: Zap. Leningr. gorn. in-ta, 1956, Vol 32, Nr 3, pp 313-316

ABSTRACT: The investigation was conducted by thermal, chemical, and microscopic methods. The initial material was chromium oxide (99.91 percent Cr_2O_3), from roasted chemically pure ammonium chrome oxide, and silica (99.88 percent SiO_2), from rock crystal treated with hydrochloric acid. A cone was prepared from the mixture (weight up to one gram), dried, and then

Card 1/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

24(8) PHASE I BOOK EXPLOITATION SOV/2117

Soveshchaniye po eksperimental'noy tekhnike i metodam vysokotemperaturnykh issledovaniy, 1956

Eksperimental'naya tekhnika i metody issledovaniy pri vysokikh temperaturakh; trudy soveshchaniya (Experimental Techniques and Methods of Investigation at High Temperatures; Transactions of the Conference on Experimental Techniques and Methods of Investigation at High Temperatures) Moscow, AN SSSR, 1959. 789 p. (Series: Akademiya nauk SSSR. Institut metallurgii. Komissiya po fiziko-khimicheskim osnovam proizvodstva stali) 2,200 copies printed.

Resp. Ed.: A.M. Samarin, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: A.L. Bankvitser.

PURPOSE: This book is intended for metallurgists and metallurgical engineers.

COVERAGE: This collection of scientific papers is divided into six parts: 1) thermodynamic activity and kinetics of high-temperature processes 2) constitution diagram studies 3) physical properties of liquid metals and slags 4) new analytical methods and production of pure metals 5) pyrometry, and 6) general questions. For more specific coverage, see Table of Contents.

II. CONSTITUTION DIAGRAM STUDIES

Kornilov, I.I. Methods of Studying Multicomponent Iron-Base Systems 159

The author bases his method on an overall study of the chemical reactivity of the elements in the periodic table in relation to a given element (in this case, iron), specifically, their ability to form solid solutions with iron. He gives methods for constructing constitution diagrams of multicomponent iron-base alloys (5-8 components).

Sal'dau, P.Ya. Studies of Constitution Diagrams of Systems of High Refractory Oxides 172

A range of compositions forming solid solutions when heated was found for the following: 1) ZrO_2-MgO binary mixtures (solid-solution melting points: 2200-2500° C) 2) ZrO_2-MgO-Al_2O_3 ternary mixtures (solid-solution melting points: 2200-2625° C), and 3) MgO-Cr_2O_3-ZrO_2 ternary mixtures (solid-solution melting points: 2200-2600° C). Roentgenometric analysis established the formation of ternary solid solutions of cubic modification in the range of ternary mixtures of the system ZrO_2-MgO-CaO, rich in zirconium--from 80 to 95 mol. percent of ZrO_2. Melting points of these mixtures fall between 2500 and 2660° C. The absence of a eutectic makes these mixtures important refractory materials.

Galakhov, F.Ya. Microfurnace for Hardening at Temperatures up to 2500° C 184

Ol'shanskiy, Ya.I. (Deceased). Investigation of High-temperature Equilibria by the Falling-Granule Method 187

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

S/689/61/000/000/001/030
D205/D303

18.1210 (2408)

AUTHOR: Sal'dau, P.Ya.

TITLE: The simultaneous solubility of magnesium and zinc in aluminum

SOURCE: Fridlyander, I.N., V.I. Dobatkin, and Ye.D. Zakharov, eds. Deformiruyemyye alyuminyevyye splavy; sbornik statey. Moscow, 1961, 5 - 8

TEXT: On the basis for literature data a new, most probable, diagram of simultaneous Mg and Zn solubility isotherms in Al, in the solid state, was constructed in the temperature range 450 - 200°C (Fig. 3). The last isotherm is that at 200°C, isotherms at lower temperatures down to 20°C are practically superimposed owing to the very low changes in solubility. There are 3 figures and 10 references: 3 Soviet-bloc and 7 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: A.T. Butchers, G.V. Little Raynor and Hume-Rothery, J. Inst. Metals, 1943, v. 69, 209, 415, 467; W.H. Fink, and L.A. Willey, Trans.Amer.Inst.Min.Met.Eng., Inst. Me-

Card 1/

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

S/689/61/000/000/001/030
D205/D303

The simultaneous solubility of ...

tals Division, 1937, 124, 78; Hanson and Marie Gayler, Journal of the Inst. of Metals, 1921, v. 26, 321; Merica, Waltenberg and Scott, Scientific Paper of the Bureau of Standards, 1919, v. 15, no. 347, p. 271.

4

Card 2/

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

S/137/62/000/005/076/150
A006/A101

AUTHOR: Sal'dau, P. Ya.

TITLE: On the joint solubility of magnesium and zinc in aluminum

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 17, abstract 5I96 (V sb. "Deformiruyemyye alyumin. splavy", Moscow, Oborongiz, 1961, 5-8)

TEXT: A short review is given of results of investigating the joint solubility of Mg and Zn in Al. After comparison of the results the author has plotted a new, more plausible diagram of isotherms showing the joint solubility of Mg and Zn in Al in solid state within a temperature range from 450 down to 200°C. It is noted that at a temperature decrease down to 20°C, joint solubility changes so slightly that the isotherms run together. There are 10 references.

Z. Rogachevskaya

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAYEV, M.

Collective Farms

Managing production brigades. Kolkh. proizv. No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAYEV, P.V.

Certain problems in the reorganization of therapeutic nutrition according to I.P.Pavlov's theory. Vop. pit. 13 no.6:44-46 N-D '54. (MIRA 8:1)

1. Iz klinicheskogo sanatoriya Ehseri, Sukhumi
(DIETS, in various diseases,
organs. of ther. nutrition in Russia)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

USSR/Medicine - Nutrition

Card 1/1 Pub. 141 - 13/19

Author : Saldayev, P. V.

Title : The significance of diet anemnesis in the work of the physician-dietician

Periodical : Vop. pit., 41-42, Jul/Aug 1955

Abstract : A patient's past eating habits and schedule are very important to his recovery. In view of this, author worked out a sample questionaire which records a patient's eating schedule, preferences, dislikes, etc. Information of this sort enables the physician to better treat the patient, and possibly serve to guide the patient in improving his diet. No references.

Institution : Central Sanitarium, Gurzuf

Submitted :

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAYEV, P.V.

Sanatorium diet in the light of I.P. Pavlov's physiological teachings. Vop. kur., fizioter. i lech. fiz. kul't. 22 no.1:24-30 Ja-F '57 (MLRA 10:4)

1. Vrach po lechebnomu pitaniyu TSentral'nogo Gurzufskogo voyennogo sanatoriya.
(HEALTH RESORTS, WATERING PLACES, ETC.) (NUTRITION)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

Saldayev, P.V.

SALDAYEV, P.V.

Further remarks on meal schedules in health resorts. Vop. kur. fizioter. i lech. fiz. kul't. 22 no.6:73-75 N-D '57. (MIRA 11:2)

(HEALTH RESORTS, WATERING PLACES, ETC.)
(DIET IN DISEASE)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALMAYEV, [illegible]

Role of climatic factors in the treatment of hypertension. Vop. kur., fizioter. i lech. fiz. kul't. 30 no.4:351-355 Iyl-Avg '65. (MIRA 18:9)

1. Knostinskiy sanatoriy Ministerstva oborony SSSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAYEVA, M.I., geroy Sotsialisticheskogo Truda

Collective farms build in winter. Sel'.stroi. 13 no.2:3-4 F '59. (MIRA 12:3)

1. Predsedatel' kolkhoza imeni Lenina, Volzhskogo rayona, Kuybyshevskoy oblasti.

(Volga District--Farm buildings)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAYEVA, Z. I.

TSESHINSKIY, A.I.; SALDAYEVA, Z.I.

Tissue therapy of ozena. Vest. otorinolar. 13 no.3:82 May-June 1951. (CLML 20:11)

1. Docent. 2. Of the Central Scientific-Research Institute of Otorhinolaryngology of the Ministry of Public Health RSFSR (Director--Honored Worker in Science Prof. V.K. Trutnev).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDAYEVA, Z.I.

TSESHINSKIY, A.I., kandidat meditsinskikh nauk; SALDAYEVA, Z.I., ordinator

Remote results of tissue therapy of true ozaena. Vest. oto-rin. 16 no.3:82-83 My-Je '54. (MLRA 7:7)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. dotsent K.G. Borshchev) Ivanovskogo meditsinskogo instituta.
(RHINITIS, ATROPHIC, therapy,
*tissue ther., results)
(TISSUE THERAPY, in various diseases,
*rhinitis, atrophic, results)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDENIK, Yevgeniy Fritsovich; SEMENENKO, P.A., red.

[High-production internal-grinding spindles] Vysokoproizvoditel'nye vnutrishlifoval'nye shpindeli. Leningrad, 1964. 17 p. (MIRA 17:9)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

ROZOV, B. V., inzh.; SINOPAL'NIKOV, K. G., dotsent; SALDIN, P. A., gornyy tekhnik

Blasting method of coal mining without the presence of miners in the Kizel Basin coal mines. Ugol' 37 no.10:6-9 O '62. (MIRA 15:10)

1. Nachal'nik Gosudarstvennogo tresta ugol'nykh predpriyatiy Kizelovskogo rayona (for Rozov). 2. Permskiy politekhnicheskiy institut (for Sinopal'nikov, Saldin).

(Kizel Basin—Coal mines and mining) (Blasting)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDINA, L.P.

Psychoses in acrichine intoxication in children suffering from Lambliasis. Zhur.nevr.i psikh. 62 no.7:1072-1076 '62. (MIRA 15:9)

1. Kafedra detskoy psikhiatrii (zav. - prof. G.Ye.Sukhareva) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(GIARDIASIS) (PSYCHOSES) (QUINACRINE--TOXICOLOGY)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALDUNOVA, V.M.

UVAROVA, T.V.; SALDUNOVA, V.M.; KORF, Ya.A.

Mikoian Food Combine in Moscow. Kons. i ov. prom. 12 no.11:13-17 N '57. (MIRA 11:1)

1.Moskovskiy pishchevoy kombinat imeni A.I. Mikoyana.
(Moscow--Canning and preserving--History)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, Ctibor

Distribution of stands and accurate records are prerequisites of regeneration and output in the gradual shelterwood cutting system. Les cas 9 no.4/5:489-493 '63.

1. Lesny zavod, Cadca.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, Frantisek, inz.

House foundation engineering on piles and gravel-sand embankments. Poz stavby 12 no.2:61-69 '64

1. Pozemni stavb , Usti nad Labem.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, J.; VOJIK, J.

Cecal actinomycosis; further investigations on intestinal actinomycosis. Gastroenterologia bohema 4 no.5-6:325-330 Dec 50. (CIML 20:6)

1. Of the Second Surgical Clinic of Charles University in Prague (Head--Prof.Jiri Divis,M.D.) and of the Second Pathologico-Anatomical Institute of Charles University in Prague (Head--Prof.Vaclav Jedlicka,M.D.).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, J.

Results of endotracheal anesthesia in intrathoracic surgery. Rozhl. chir. 30 no.3:100-108 1951. (CIML 20:7)

1. Of the Second Surgical Clinic of Charles University in Prague (Head--Prof. Jiri Davis, M.D.).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, Jan, As., MUDr.

Late sequalae of obstruction of the bronchus with foreign body.
Cas. lek. cesk. 91 no.26:771-774 27 June 52.

1. Z II. chirurgicke kliniky Karlovy university v Praze,
prednosta: prof. MUDr. Jiri Divis.
(BRONCHI, foreign bodies,
undetected presence during 13 years & compl.)
(FOREIGN BODIES,
bronchi, undetected presence during 13 years & compl.)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

EXCERPTA MEDICA Sec 9 Vol. 9/9 Surgery Sept 55

4525. ŠÁLEK J., KLEINT Z. and JEŽKOVÁ S. II. chir. Klin., Karlovy Univ. v Praze. *Anestesie u nitrohrudních operací v dětském věku. Anaesthesia in intrathoracic operations in children ROZHL. CHIR. 1954, 33/4 (146-151)

The authors give an account of their experiences with endotracheal anaesthesia in 119 intrathoracic operations on children aged 1 day to 14 yr. They indicate the differences in cardio-respiratory function in children and adults and the differences resulting therefrom, relevant for the anaesthesia of the former. In children up to 3 or 4 yr., they do not employ premedication, the induction being performed by cyclopropan. In other children, according to their physical status and the nature of illness, morphine with atropine was used as premedication, the induction was carried out with pentothal and the anaesthesia proper with cyclopropane. In this way, the anaesthesia was performed in 44 cardiac, 18 pulmonary and 32 other intrathoracic operations. In 25 children suffering from congenital atresia of oesophagus the secretion from the trachea and oesophagus was first sucked off, then the intubation was introduced; the induction and the anaesthesia was carried out with cyclopropane. The to-and-fro method was applied. There were 2 fatal outcomes owing to shortcomings of the narcosis.

Šálek - Prague (IX,7)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

EXCERPTA MEDICA Sec 9 Vol. 9/10 Surgery Oct 55

5216. ŠÁLEK J. and LINC R. II.chir. Klin., Karlovy Univ., Praha; anat. Karlovy Univ., Praha. *Transperikardiální pneumonektomie. Transpericardial pneumonectomy ROZHL.CHIR. 1954, 33/10 (510-518) illus.

Basing their experience on 18 operation cases the authors recommend this method in cases where the pulmonary hilus is not clear enough, as for instance in cancer of the lung. They minutely describe their technique, drawing attention to possible dangers, as for example an infection of the pericardial cavity, incarceration of the heart and bending of large vessels, when the artificially made aperture in the pericardium is left unclosed.

Adámek - Náchod

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, J.

"Surgical Treatment of Acute Nontuberculous Thoracic Empyema By Repeated Irrigations with Antibiotics." p. 226. (Casopis Lekaru Ceskych. Vol. 93, no. 9, Feb. 1954. Praha)

SO: Monthly List of ~~Russian~~ East European Accessions, Vol. 3, No. 6 Library of Congress, June 1954, Uncl.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, Jan, as MUDr

Considerations on modern therapy of pectus excavatum. Rozhl.chir. 34 no.9:520-526 Nov 55.

1. Z II. chirurgicke kliniky Karlovy university v Praze, prednosta akademik Jiri Divis

(THORAX, abnormalities,
pectus excavatum, surg.(Cz))
(ABNORMALITIES,
pectus excavatum, surg. (Cz))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1268. ŠÁLEK J., ŽAHOUREK V. and PRÁŠIL K. 2. chir. Klin. a roentgenol. odd. lení; 2. chir. Klin. a z 2. pathol.-anat., Ústavu Karlovy univ., Praha. "Chronická induratívni pneumonie pod obrazem karcinomu plic. Chronic indurative pneumonia simulating pulmonary carcinoma SBORN LÉK. 1955, 57/6 (145-159)

This disease, as described in 16 detailed case reports, is discussed as to its aetiology (predominantly bronchostenosis due to compression by swollen hilar glands), its clinical aspects, pathology, bronchoscopy and radiography. In one case, differentiation from lung cancer was even impossible after biopsy, in which a round-cell infiltrate was found in the bronchial mucosa. All the other methods of examination were insufficient for differentiation. In either case, operation, especially in the initial stage, is desirable; in chronic indurative pneumonia it should be carried out to prevent lung abscess. Bloch - Doetinchem (VI, 15)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

ZAHOUREK, Vaclav, Doc., MUDr.; SALEK, Jan, As., MUDr.

Traumatic diaphragmatic herniation of liver simulating pulmonary tumor. Rozhl. chir. 35 no.5:287-291 May 56.

1. Z rentgenologickeho oddeleni II. chirurgicke kliniky Karlovy university v Praze, ridici lekar doc., MUDr Vaclav Zahourek. Z II chirurgicke kliniky Karlovy university v Praze, prednosta akademik Jiri Divis.

(LIVER, wds. & inj.
causing diaphragmatic herniation of liver simulating pulm. tumor (Cz))
(HERNIA, DIAPHRAGMATIC, case reports
traum. diaphragmatic herniation of liver simulating pulm. tumor (Cz))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

1865. ŠÁLEK J., ZŽAHOUREK V. and PRÁŠIL K. II. Chir. Klin. und Röntgenabt., II.Chir. Klin. und II. Pathol.-Anat. Inst., Karlsuniv., Prag. *Chronische indurative Pneumonie unter dem Bilde eines Lungenkarzinoms.

Chronic indurative pneumonia having the clinical features of pulmonary cancer ZBL.CHIR. 1956, 81/19 (753-772)

In this article on chronic indurative pneumonia, the aetiology, pathology, roentgenology and clinical aspects of this disease are studied on an analysis of 16 personal cases. Attempts are made at establishing a few relative criteria. It is pointed out that this disease, although most frequently affecting the right lung, and predominantly the middle lobe, may occur in any part of the lung. The most frequently established cause in the cases reported, was bronchial stenosis due to enlarged and often calcified lymph nodes. The clinical symptoms are very similar to those of lung cancer, and the majority of the patients were admitted with the diagnosis of cancer. Up to now, there are no exact criteria, apart from the middle lobe syndrome, by which the differential diagnosis between chronic indurative pneumonia and cancer of the lung can be made, so that these 2 diseases may be confused. The authors recommend surgical treatment since the tissue changes in the lung are extensive and may cause severe complications, such as pulmonary abscess, pulmonary gangrene, secondary bronchiectases etc.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, Jan

Clinical manifestations & therapy of bronchial fistula after pulmonary resection. Sborn. lek. 59 no.2:37-50 Feb 57.

1. II. chirurgicka klinika fakulty vsovecneho lekarstvi Karlovy university v Praze, prednosta akademik prof. Dr. Jiri Divis. Adres autora: As. Dr. J. S., II chirurgicka Klinika KU Praha.

(PNEUMONECTOMY, compl.
postop bronchial fistulae, clin. manifest & ther. (Cz))

(BRONCHI, fistula
after pneumonectomy, clin. manifest. & ther. (Cz))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, Jan; ZAHOUREK, Vaclav

Diagnostic difficulties in pulmonary surgery. Cas. lek. cesk. 96 no.6:163-167 8 Feb 57.

1. II. Chirurgicka Klinika Karlovy University v Praze, prednosta akademik Jiri Divis. Rentgenologicke oddeleni II. Chirurgicke Kliniky Karlovy University v Praze, ridici lekar doc. MUDr. Vaclav Zahourek. J. S., Praha 2, U nemocnice 2.

(LUNGS, surg.
diag. difficulties & errors (Cz))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

4443. BRONCHOTOMY IN THE DIAGNOSIS AND TREATMENT OF BRONCHIAL STENOSIS AND BRONCHIAL TUMOURS - Bronchotomie in der Diagnostik und Therapie der Bronchostenose und der Bronchialtumoren - Sálek J. II.Chir. Klin., Karls-Univ., Prag - ZBL.CHIR. 1958, 83/9 (585-593) Illus. 6

Three cases are reported in which bronchotomy was successfully used for diagnosis and treatment. In 2 cases it contributed to the differentiation between benign and malignant bronchial stenosis, in the third case it was used for removal of an inflammatory polyp in the main bronchus. The applicability of bronchotomy is discussed and some remarks on the surgical technique and the indications are added. (IX, 5, 15, 16)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

EXCERPTA MEDICA Sec 15 Vol 12/9 Chest Dise. Sept 59

2313. HEALING OF THE BRONCHIAL STUMP AFTER PULMONARY RESECTION - Beitrag zur Frage der Heilung der Bronchialstumpfes nach der Lungenresektion - Sálek J., Prásil K. and John C. II. Chir. Klin., II. Pathol.-Anat. Inst. und Mikrobiol. u. Immunol. Inst., Karls-Univ., Prag - ZBL.CHIR. 1958, 83/47 (2149-2159) Tables 1

A concise review of the results of studies on the conditions of healing of a bronchial stump after pulmonary resection. On the basis of clinical, morbid-anatomical and microbiological examinations the factors disturbing healing in such cases and leading to bronchial fistula are discussed. The question of how to improve the conditions of healing is studied and advice is given for better healing of the bronchial stump. (IX, 15)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

EXCERPTA MEDICA Sec 15 Vol 13/6 Chest Dis. June 60

1393. PRIMARY RESECTION OF THE THORACIC TRACHEA FOR CARCINOMA - Primäre Resektion der Brusttrachea wegen Karzinoms - Šálek J., Tichý S. and Luttenberg J. II. Chir. und ORL Klin. und Anat. Inst., Karls-Univ., Prag - THORAXCHIRURGIE 1959, 7/3 (343-347) Illus. 3

A description is given of a case of carcinoma of the thoracic trachea in which a primary resection and an end-to-end anastomosis of the trachea were performed successfully. The operative approach, the technique of the tracheal resection and the anastomosis are described. (IX, 5, 15, 16)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, Jan; REHAK, Frantisek; SMAT, Vaclav

Long-term investigations on surgical therapy of bronchogenic carcinoma. Sborn. lek. 61 no.4:107-115 Apr 59.

1. II. chirurgicka klinika fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta akademik J. Divis. As. dr. J.S., II. chirurgicka klinika, U nemocnice 2, Praha 2.
(LUNG NEOPLASMS, surgery,
bronchogenic cancer, remote results (Cz))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

ŠALEK, J.

Late results of surgical treatment of bronchogenic cancer.
Khirurgiia 36 no.1:68-74 Ja '60. (MIRA 13:10)
(BRONCHI—CANCER)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1

SALEK, J.;TICHY, S.;LUTTENBERG, J.

Primary resection of the thoracic trachea for carcinoma. Rozhl. chir. 39 no.3:150-154 Mr '60

1. II chirurgicka klinika Karlovy university v Praze, prednosta akademik J. Divis ORL klinika Karlovy university v Praze, prednosta akademik A. Precechtel Anatomicky ustav Karlovy university v Praze, prednosta prof. MUDr. et RNDr. L. Borovansky.
(TRACHEA neoplasms)
(CARCINOMA surg.)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001446820014-1"