"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PIN, G.I., inzh.

Electric heating of fuel-oil pipelines (from "Petroleum Times," March 15, 1957). Elek. sta. no.4 Supplement:47-48 Jl-Ag '58. (Pipelines) (MIRA 11:10)

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SOV/92-58-7-19/37

AUTHOR: Kul'pin, G.I., Chief of a Sector of GOSINTI

TITLE: Arrangements Which Will Improve the Operation of a Manometer (Ustroystvo uluchshayushcheye rabotu manometrov)

PERIODICAL: Neftyanik, 1958, Nr 7, pp 19-22 (USSR)

ABSTRACT: In view of the fact that manometers installed on piston pumps often get out of order due to pressure fluctuation, G.Kh. Sunarchin and N. Karpov proposed that a special gadget be used for absorbing pressure fluctuation shocks. The author describes this gadget and shows its design in Fig. 1. Another similar gadget was devised by N. Karpov and it is briefly described by the author, who shows its design in Fig. 2. The installation of one of the above-mentioned gadgets extends the life of the manometer without reducing its sensitivity, and it also enables the pointer of the manometer to move smoothly without jerks. Furthermore, A.G. Yakovlev has proposed a new safety gadget be used which is slightly different than the one shown in Fig. 1. He suggested that it be installed between the

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gas pipeline and the manometer in order to protect the latter from the harmful effect of fluctuating gas pressure. This type of gadget was successfully used on the Saratov-Moscow gas line. Attempts were also made to protect manometers from the harmful effects of drilling mud and fluctuating pressure in pump tube lines. A number of suggestions were made in this connection. Among them is a compensator with a rubber diaphragm, which is shown in Fig. 3, and which was developed by E. Zegarovskiy. The above device was adopted by the Ukrneft' Association and proved to be rather useful. A similar device, which is shown in Fig. 4, was developed by B. Medvedev and it was used by the Bashnefterazvedka Trust. However, both of the above-mentioned devices were unable to entirely quench the pressure fluctuation effect, and a more efficient safety device and compensator was therefore proposed by V. Trofimenko, I. Neverov, and G. Bolekayev. Its design is shown in Fig. 5 and Fig. 6. Blue prints of this device, which proved to be the most useful, were prepared by the Kirovneft' Trust. Manometers may also go out of commission due to corrosion of their tubes and other parts, as well as due to obstructions caused by impurities in the products which are pumped. Therefore I. Luptkov has proposed that a separating vessel filled with non-corrosive liquid should be used, which would

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Arrangements Which Will Improve (Cont.)

not permit the pumped product to get into the manometer tube, and which would reduce the pressure fluctuation of piston pumps at the same time. The design of this vessel is shown by the author in Fig. 7. Tubes of manometers are usually filled with non-freezing fluids such as ethylene glycol solution, glycerin solution, transformer oil, etc. Manometers used for gaging pressure in pipelines which transport highly viscous products (goudron, bitumen, etc.) fail to indicate the exact pressure and soon get out of order. To avoid these troubles S. Musoyants suggested that special separating vessels should be used such as the one shown in Fig. 8. The vessel is filled with oil or a mixture of glycerin with water. The mixture creates a hydraulic cushion which protects the manometer from the effect of viscous products and fluctuating pressure. There are 8 figures.

ASSOCIATION: GOSINTI

1. Manometers--Operation 2. Pressure--Control systems 3. Manometers --Safety devices

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KUL'PIN, G.I., inzh.

Using emulsions in road construction. Avt. dor. 21 no.4:30 Ap '58. (Emulsions) (MIRA 11:4)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PIN, G.I., inzh.

Increasing the loading capacity of old tankers. Sudostroenie 24 no.4:65-66 Ap '58. (MIRA 11:4)
(Tank vessels)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

GERTSEN, G.A.; GUREVICH, G.R.; KUL'PIN, L.G.

Determination of the parameters of a layer based on observations on the nonsteady linear gas flow. Trudy MINKHiGP no.29:70-80 '60. (MIRA 13:12)

(Oil reservoir engineering)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KAPLAN, R.M., inzhener; KUL'PIN, P.I., inzhener; ANDRIANOV, V.Ye.

Testing VOS-2 rotating casing and chain pumps. Sel'khozmashina no.10:7-10 O '56. (MLRA 9:12)

(Pumping machinery)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PIN, P.I.

Goitered gazelle (Gazella subgutturosa) and saiga in the desert of Bet-Pak-Dala. Priroda 43 no.4:102-104 Ap '54. (MLRA 7:4)

1. Betpak-Dalinskaya kompleksnaya opytnaya stantsiya zhivotnovodstva (Kazakhskaya SSR).
(Bet-Pak-Dala--Antelopes) (Antelopes--Bet-Pak-Dala)

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KUL'PIN, P.I.

Multiple retrograde invagination of the small intestine into the stomach through a gastrointestina anastomosis. Vest.khir. no.3: 122-124 '62. (MIRA 15:3)

1. Iz khirurgicheskogo otdeleniya (zav. - P.I. Kul'pin) Voskresenskoy rayonnoy bol'nitsy (gl. vrach - V.D. Samsonov) Gor'kovskoy oblasti. Adres avtora: s. Voskresenskoye, Voskresenskogo rayona, Gor'kovskoy oblasti, rayonnaya bol'nitsa.
(STOMACH—SURGERY) (INTESTINES—INTUSSUSCEPTION)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

BAZANOV, A.N.; KUL'PIN, V.G.

Automation in a coal preparation shop. Koks i khim. no.11:13-19 '61. (MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Coal preparation plants--Equipment and supplies) (Automation)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

NEMTSOV, D.A., kand.ekon.nauk; BRAGLAVSKAYA, Yu.Ya., mladshiy nauchnyy sotrudnik; KUL'TINA, L.I., mladshiy nauchnyy sotrudnik

New state standard for short flax fibers and its economic importance. Nauch.-issl.trudy TSNIILV 17:58-64 '62. (MIRA 16:10)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

NEZLIN, R.S.; KUL'PINA, L.M.

Separation of serum proteins according to their molecular weight using sephadex G-200 dextran gel. Vop. med. khim. 10 no.5:543-545 S-O '64. (MIRA 18:11)

1. Laboratoriya biokhimii virusov Instituta radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moskva.

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S/081/61/000/011/021/040
B105/B203

AUTHOR: Kul'pina, N. V.

TITLE: Dispersive power of nickel-plating tanks, and porosity of nickel sediments

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961, 348, abstract 11K188 (Tr. Kazansk. Khim.-tekhnol. in-ta, 1960, vyp. 29, 71-73)

TEXT: The author studied the dependence between the uniformity of distribution of the sediment (US) with respect to thickness on the profiled cathode and the uniformity with respect to porosity (UP). The electrolyte was composed as follows (in g/l): $NiSO_4 \cdot 7H_2O$ 220, NaCl 10, H_3BO_3 30; pH 4.3-4.6; temperature 50°C; D_c 0.75-3.5 a/dm^2. An equidirectional dependence of (US) and (UP) is observed in the case of cathodes with angles of 60° and 90°; the dependence is reversed in the case of a cathode with an angle of 120°. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PINA, Ye.P., inzhener; PETROV, Yu.V., inzhener.

Regeneration of oil with high dielectric losses. Elek.sta. 25 no.3: 28-29 Mr '54. (MIRA 7:6)
(Electric transformers)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PINA, Ye. P.

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of Natural Gases and Petroleum. Motor and Jet Fuels. Lubricants. I-8

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2569

Author : Deyev, I.T., Kul'pina, Ye.P.
Inst : -
Title : Utilization of the Method of Oil Regeneration with Silica Gel Treated with Gaseous Ammonia.

Orig Pub : Elektr. stantsii, 1957, No 6, 45-46

Abstract : The method of regeneration of transformer and turbine oil with silica gel treated with gaseous ammonia, permits an efficient removal of tar and acid that accumulate in the spent oil, sharply to decrease the dielectric losses of the oil and considerably to reduce expenditure of silica gel. Activity of silica gel treated with NH_3 is considerably enhanced; the optical temperature of regeneration is 30-50°. The method is particularly advantageous in

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PINOVA, M. P.

USSR/Plant Diseases - Diseases of Cultivated Plants.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16006

Author : M. Kul'pinova

Inst :

Title : Some Facts on Cotton Fiber Gray Mold (Nigrosporosis). (Nekotoryye dannyye o seroy gnili volokna khlopchatnika (nigrosporoz).

Orig Pub : Sots. s. kh. Azerbaydzhana, 1956, No 11, 41-43.

Abstract : The cause of the disease is Nigrospora gossypii Jacz. The external symptoms of the disease and the character of the damage are described. Overdensity of sowing, the fields being choked by weeds, excess watering in the boll ripening period, lack of peat control all help to develop this disease.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

M.P. KUL'PINOVA

USSR/Plant Diseases - Diseases of Cultivated Plants. O.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15979

Author : M.P. Kul'pinova
Inst : -
Title : The Large Blister Smut in Sorghum. (Krupnopuzyrchataya golovnya sorgo).

Orig Pub : Zashchita rast. ot vredit. i bolezney, 1957, No 4, 38-39.

Abstract : No abstract.

Card 1/1

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PINOVA, M., kand. sel'skokhoz. nauk

Loose smut of sorghum. Zashch. rast. ot vred. i bol. 10 no.8:53 '65. (MIRA 18:11)

1. Stavropol'skaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta kukuruzy.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PINOVA, M.P., starshiy nauchnyy sotrudnik

Tetramethylthiuram-disulfide in the control of common smut of corn. Zashch. rast. ot vred. i bol. 6 no.8:28 Ag '61. (MIRA 15:12)

1. Stavropol'skaya selektsionno-opytnaya stantsiya, VNIIK.
(Disulfide)
(Corn (Maize)--Diseases and pests)
(Smuts)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'PINOVA, M.P., kand. sel'skokhoz. nauk

Corn diseases in monoculture. Zashch. rast. ot vred. i bol. 7 no.9:24 S '62. (MIRA 16:8)

1. Stavropol'skaya selektsionno-opytnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta kukuruzy.
(Corn (Maize)--Diseases and pests)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KULPINSKI, A.

Analytical Abst.
Vol. 1 No. 2
Feb. 1954
Inorganic Analysis

4/(3) Chem

241. Determination of copper as cuprous thiocyanate. E. Kurzyniec and A. Kulpinski (*Prace Kom. Nauk. Farm. Polsk. Acad.*, 1952, 4, 33–42).—The method for determining Cu in form of CuCNS (first published by Rivot, *Compt. Rend.*, 1854, 38, 808) and modifications introduced by other authors are reviewed. By varying the experimental conditions, the following modifications were found to give accurate results. The copper salt solution, provided that it does not contain strong free acids, is treated with sulphurous acid; Cu is precipitated with ammonium thiocyanate on stirring. The precipitate is allowed to settle for 20 min., filtered through a dried and weighed Gooch crucible, washed 2–3 times first with water containing a small amount of ammonium thiocyanate or H_2SO_3, then with pure water and finally with a (1 + 1) alcohol - ether mixture, and dried for 10 min. at 120° C.

A. Storfer

5-21-54 mcf

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

JANOWSKI, Tomasz M.; KULPINSKI, Adam (Krakow)

An easy method of quick determination of harmful gas admixtures in the air in animal barns. Rocz nauk roln wet 70 no.1/4:140-142 '60. (EEAI 10:9)

(Domestic animals) (Air) (Gases)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KULPINSKI, E.

Technology of galvanized decorative coats in motor manufacture. p. 122, Vol. 5, no. 4, Apr. 1955, TECHNIKA MOTORZACYJNA

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), LC, VOL. 4, No. 9, Sept. 1955, Uncl.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

"Employing the room and pillar method in the exploitation of thick coal seams."
Wiadomosci Gornicze, Katowice, Vol 5, No 4, Apr. 1954, p. 97

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SHARYPOV, F.; VORONIN, F.

Production of consumers' goods and accumulation of a consumers' goods fund. Fin. SSSR 19 no.12:81-84 D '58. (MIRA 11:12)
(Chelyabinsk Province--Manufactures)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SHIN, P.I. [Kul'shyn, P.I.]

Use of kerosine as herbicide in carrot growing.
Khar. prom. no.1:57-58 Ja-Mr '65. (MIRA 18:4)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KLYUCHAREV, A.A., dotsent; FILIPPOVICH, F.K., vrach; KUL'SHINSKAYA, Ye.P., vrach; STAROVOYTOVA, T.D., vrach

Characteristic clinical features of dysentery in adults. Zdrav. Belor. 6 no.3:51-53 Mr '60. (MIRA 13:5)

1. Iz kafedry infektsionnykh bolezney Minskogo meditsinskogo instituta (zaveduyushchiy - professor A.N. Filippovich) i Minskoy infektsionnoy klinicheskoy bol'nitsy (glavnyy vrach Z.G. Alikina).
(DYSENTERY)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KULSHISHTOV, S.

New trends in the field of bleaching textiles in stretch condition with sodium chloride. p. 29

TEKSTILNA PROMISHLENOST. (Ministerstvo na lekata promishlenost) Sofia, Bulgaria. Vol. 8, no. 7, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 7, 1959 Nov. Uncl.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'S'KA, O.A.

Apropos B.H. Petrenko's article "Chronic urovesical hematuria in cattle," printed in "Nauchnye trudy" (Vol. 20, 1953) of the Ukrainian Institute of Experimental Veterinary Medicine. Visnyk AN URSR 27 no.11:75-76 N '56. (MLRA 9:12)

(Hematuria) (Cattle--Diseases and pests)

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BC

A-3

Determination of salicylic acid in the presence of mineral acids (sulphuric and hydrochloric), and the simultaneous determination of all these acids together. O. A. KULSKAJA (Ukrain. Chem. J., 1931, 6, [Sci.], 1—8).—Seubert's method (A., 1882, 106) for the determination of PhOH gives good results (mean error 0·3%) for the determination of salicylic acid, in the presence or absence of HCl or H_2SO_4. HCl is determined by Volhard's method, and total acidity by titration against NaOH, the H_2SO_4 content being calc. by difference. R. TRUSKOWSKI.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

14

19

Determination of boric anhydride in glass. O. A. Kulskaya. *Zavodskaya Lab.* 1933, No. 2, 26-8; *Chimie & Industrie* 31, 1376. - Fuse 0.3 g. finely pulverized glass with 3 g. Na_2CO_3 for 15 min., dissolve in 20 cc. 1 + 1 HCl, oxidize the Fe with a few drops HNO_3, heat nearly to boiling, carefully neutralize by small successive addns. of $CaCO_3$, boil 15 min., filter after cooling slightly keeping the filtrate at about 40-50 cc., cool, carefully neutralize to phenolphthalein with 0.1 *N* $Ba(OH)_2$, add 1 g. mannitol or 10 g. of glucose or of invert sugar and titrate with 0.1 *N* $Ba(OH)_2$ to a permanent rose; to make sure that the reaction is complete add a further 0.25 g. mannitol or 2-3 g. glucose or invert sugar, and if necessary complete the titration; 1 cc. 0.1 *N* $Ba(OH)_2$ = 0.0035 g. B_2O_3. The detn. takes about 2 hrs. A. Pardineau-Couture

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Ca

7

The boron spot test. N. A. Tananaev and O. A. Kul'e'ka. *Ukrain. Khem. Zhur.* 9, Wiss.-tech. Teil 1 5 (1934).—The substance contg. B is fused with Na_2CO_3. The melt is treated with HCl and CH_3OH is added. The B forms an ester and it is finally detected with moist turmeric paper.

A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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24(7) PHASE I BOOK EXPLOITATION SOV/1700

L'vov. Universitet

Materialy X Vsesoyuznogo soveshchaniya po spektroskopii, 1956. t. II: Atomnaya spektroskopiya (Materials of the 10th All-Union Conference on Spectroscopy, 1956. Vol 2: Atomic Spectroscopy) /Lvov/ Izd-vo L'vovskogo univ., 1958. 568 p. (Series: Its: Fizicheskiy sbornik, vyp.4(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po spektroskopii.

Editorial Board: G.S. Landsberg, Academician, (Resp. Ed.); B.S. Neporent, Doctor of Physical and Mathematical Sciences; I.L. Fabelinskiy, Doctor of Physical and Mathematical Sciences; V.A. Fabrikant, Doctor of Physical and Mathematical Sciences; V.G. Koritskiy, Candidate of Technical Sciences; S.M. Rayskiy, Candidate of Physical and Technical Sciences; L.K. Klimovskaya, Candidate of Physical and Mathematical Sciences; V.S. Miliyanchuk (Deceased), Doctor of Physical and Mathematical Sciences; A.Ye. Glauberman, Doctor of Physical and Mathematical Sciences; Ed.: S.L. Gazer; Tech. Ed.: T.V. Saranyuk.

PURPOSE: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies of atomic spectrography presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by members of scientific and technical institutes and include extensive bibliographies of Soviet and other sources. The studies cover many phases of spectroscopy: spectra of rare earths, electromagnetic radiation, physicochemical methods for controlling uranium production, physics and technology of gas discharge, optics and spectroscopy, abnormal dispersion in metal vapors, spectroscopy and the combustion theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrum analysis of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables, and atlases of spectral lines, spark spectrographic analysis, statistical study of variation in the parameters of calibration curves, determination of traces of metals, spectrum analysis in metallurgy, thermochemistry in metallurgy, and principles and practice of spectrochemical analysis.

Card 2/31

(cont.)

Borovik-Romanova, T.F. Method of Spectrum Analysis for Alkali Elements 361

Nomokonova, N.A. Application of the Methods of Spectrum Analysis to Dal'stroy Ores 364

Solodovnik, S.M., A.K. Rusanov, and A.I. Kondrashina. Spectral Method for the Determination of Scandium in Minerals, Ores, and Their Products 366

Kul'skaya, O.A., and O.F. Vdovenko. Spectral Method for Quantitative Determination of Scandium in Silica Minerals, Chemically Separated Concentrates, and Coal Ash 368

Sergeyev, Ye. A., and F.A. Stepanov. Spectral Determination of Mercury in Metallometric Samples 371

Gavrilov, G.A., and A.V. Sechkarev. Spectrum Analysis of Some Kuzbass Coals for Rare Metals 375

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APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKAYA, O.A.; VDOVENKO; O.F.

Spectral method for quantitative determination of scandium in natural substances and coal ashes. Ukr.khim.zhur. 23 no.6:799-804 '57. (MIRA 11:1)

1. Institut geologicheskikh nauk AN USSR.
(Scandium--Spectra)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKAYA, O.A.; VDOVENKO, O.F.

Spectral method for the quantitative determination of scandium in silocate minerals, in chemically produced separated concentrates and in coal ashes. Fiz.sbor. no.4:368-370 '58. (MIRA 12:5)

1. Institut geologicheskikh nauk AN USSR.
(Scandium--Spectra)

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3(5) SOV/21-59-7-17/25

AUTHOR: Kul's'ka, K.S., Nazarevych, K.S. and Hudymenko, K.F. (Kul'skaya, O. A., Nazarevich, Ye. S. and Gudymenko, K. F.)

TITLE: Spectral Analysis of Rare-Earth Elements

PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1959, Nr 7, pp 769-773 (UkrSSR)

ABSTRACT: A spectrochemical method has been developed for determining rare-earth elements in artificial mixtures conforming to the mean chemical compositions of the sum of the rare-earth oxides or of the cerium group. This method is based on the three-stage method. Zirconium is issued as an internal standard. Photographs are taken on a high dispersion spectrograph. A direct current arc serves as the excitation source. Determination limits:

Y - 0.01% - 3%	Nd - 0.3% - 3%
La - 0.1% - 3%	Sm - 0.1% - 3%
Dy - 0.1% - 3%	Gd - 0.03% - 3%
Eu - 0.03%-3%	Er - 0.01% - 1%

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SOV/21-59-7-17/25

Spectral Analysis of Rare-Earth Elements

The error is within limits of ± 12%. There are 3 tables and 15 references, 6 of which are Soviet, 7 American and 2 German

ASSOCIATION: Instytut heolohichnykh nauk AN URSR (Institute of Geologic Sciences AS UkrSSR)

PRESENTED: V.H. Bondarchuk, Member AS UkrSSR

SUBMITTED: January 6, 1959

Card 2/2

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Kol'skaya, O.A.

... chemical elements in connection with 62

(4)

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BURKSER, Yevgeniy Samoylovich; ZAMORIY, Petr Konstantinovich; ROMODANOVA, Ada Petrovna; BURKSER, Vasilisa Vasil'yevna, POLOVKO, Ivan Kirillovich; KUL'SKAYA, Ol'ga Adol'fovna; Zaydis Bronya Borisovna; BONDARCHUK, V.G., otvetstvennyy redaktor; LYSENKO, F.K., redaktor izdatel'stva; ZHUKOVSKIY, A.D., tekhnicheskiy redaktor

[Geochemical conditions in scouthern districs of the Ukraine and the prognosis of their possble transformation as a result of irrigation] Geokhimicheskaia obstanovka v iuzhnykh raionakh Ukrainskoi SSR i prognoz ee vozmozhnykh izmenenii v rezul'tate oroshenii. Kiev, Izd-vo Akademii nauk Ukrainskoi SSR, 1956. 135 p. (MLRA 10:2)

1. Deystvitel'nyy chlen Akademii nauk USSR (for Bondarchuk)
(Ukraine--Soils)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

IVANTISHIN, M.N. [Ivantyshyn, M.M.]; KUL'SKAYA, O.A. [Kul'ska, O.A.]

Methods of quantitative spectrum analysis and geochemical characteristics of lithium, rubidium, and cesium (Ukrainian crystalline shield). Geol.zhur. 19 no.1:8-25 '59. (MIRA 12:2)

(Alkali metals) (Ukraine--Rocks, Crystalline and metamorphic)

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34727
S/137/62/000/002/142/144
A052/A101

5.5310

AUTHORS: Kul'skaya, O. A., Vdovenko, O. F.

TITLE: The spectral method of determining germanium, beryllium and scandium in coal ashes

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 9, abstract 2K43 (V sb. "Khim., fiz.-khim. i spektr. metody issled. rud redk. i rasseyan. elementov"., Moscow, Gosgeoltekhizdat, 1961, 135-139)

TEXT: Methods of determining (in %) Ge $3 \cdot 10^{-3}$ - 0.3, Be $5 \cdot 10^{-5}$ - $3 \cdot 10^{-2}$ and Sc $2 \cdot 10^{-3}$ - 0.2 in coal ashes and some other natural objects are developed. The sample is mixed with the internal standard in proportion 1 : 1 (for Sc 2 : 1), crushed, and 25 mg of the mixture is placed in the hole of a graphite electrode 2.25 mm in diameter and 8 mm deep. As the base for the preparation of the internal standard a mixture of a pure carbon with quartz (1:1) is used and 5% Bi $(NO_3)_3$ and 10% $BaCl_2$ (for Sc 2% ZrO_2) are added to it. The spectra are excited in the direct current arc (10 a) with the sample as anode. During the first 15 sec of arc burning the electrodes are brought together then the analytical space is increased up to 4 mm and is kept constant during

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the exposure. The time of exposure = 3 min. The following analytical pair of lines are used: Ge 2651.17 - Bi 2627.90, Ge 2651.17 - Ba 2634.78, Ge 3039.06 - Bi 3024.63, Be 2348.61 - Ba 2347.57, Sc 2552.35 - Zr 2550.74, Sc 3353.73 - Zr 3357.26. Reproducibility of the analysis = 8 - 12%. There are 19 references.

V. Slavnyy

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKAYA, O. A.

Chemical study of colored glasses and smelts of the Ust' Ruditsa factory. Ukr.khim.zhur. 27 no.6:703-712 '61. (MIRA 14:11)

1. Institut geologicheskikh nauk AN USSR.
(Ust' Ruditsa—Glass, Colored)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

GABOVICH, R.D.; KUL'SKAYA, O.A.

Content of some trace elements in food rations of the population in the central zone of the Ukraine. Vop. pit. 23 no.1:60-66 Ja-F '64. (MIRA 17:8)

1. Iz kafedry kommunal'noy gigiyeny (zav. - prof. R.D. Gabovich) Kiyevskogo meditsinskogo instituta imeni akademika A.A. Bogomol'tsa.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

BURKSER, Ye.S. [Burkser, IE.S.]; BRADIS, L.M. [Bradis, L.M.]; KULIBABA, O.A. [Kulibaba, O.A.]; FOKA, G.M. [Foka, H.M.]

Trace elements in the peats of the Ukraine. Dop. AN URSR no.9:1222-1226 '62. (Peat) (MIRA)

1. Institut geologicheskikh nauk AN UkrSSR, 2. Chlen korrespondent AN UkrSSR (for Burkser).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

IVANTISHIN, Mikhail Nikolayevich; GORNYY, Georgiy Yakovlevich; [illegible]
Ol'ga Adol'fovna; YELISEYEVA, Galina Dmitriyevna, Primimali
uchastiye: GAVRILOVA, Z.F., inzh.-khimik; KAZANTSEVA, A.I., inzh.-
khimik; LOGVINA, L.A., inzh.-khimik; USLONTSEVA, L.A., inzh.-
khimik; GUDIMENKO, L.F., inzh.; NAZAREVICH, Ye.S., inzh.;
SHEVARUK, R.N., inzh.; ORLOVA, L.A., inzh.; BASHMAKOVA, N.G.,
inzh.-geolog; BURKSER, Ye.S., otv. red.; MEL'NIK, A.F., red.

[Geochemistry and analytic chemistry of rare-earth elements.
Pt.1. Accessory rare-earth minerals and elements of the cerium
subgroup in the Ukrainian Crystalline Shield] Geokhimiia i ana-
liticheskaia khimiia redkozemel'nykh elementov. Kiev, Naukova
dumka. Pt.1. Aksessornye redkozemel'nye minerally i elementy
tseriyevoi podgruppy ukrainskogo kristallicheskogo shchita.
1964. 164 p. (Akademiia nauk URSR. Instytut geologicheskikh nauk.
Trudy. Seriia petrografii, mineralogii i geokhimii, no.21).
(MIRA 18:1)

1. Chlen-korrespondent AN UkrSSR (for Burkser).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKAYA, O.A. [Kul's'ka, O.A.]; TROSHKINA, O.B.

Possibility of the determination of the absolute age of Quaternary fossil bones using the fluorine method. Geol. zhur. 25 no.3: 117-120 '65. (MIRA 18:11)

1. Institut geologicheskikh nauk AN UkrSSR.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKAYA, O.A.; SHKVARUK, R.N.

Spectral analysis of main components in silicate rocks, glass, and plant ashes. Ukr. khim. zhur. 30 no.3:281-286 '64. (MIRA 17:10)

1. Institut geologicheskikh nauk AN UkrSSR.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

Electric automatic chlorine gas regulator. L. A. Kulskii. Russ. 30,070, Aug. 31, 1933. An electromechanical device.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

Dechlorinating power of nonactivated charcoals in comparison with commercial activated ones. I. A. Kulskii and P. B. Moritz. *Ukrain. Khem. Zhur.* 9, 185-91(1934).—H_2O can be filtered and dechlorinated simultaneously by passage through birch or pine charcoal (I). **Application of activated and regenerated charcoals to the dechlorination of water.** I. A. Kulskii and I. M. Glarman. *Ibid.* 193-219.—A highly active product (II) is obtained by treating I satd. with Cl_2 with hot 1-2 *N* NaOH; the activity of II increases with each repetition of the process. This effect is not obtained with com. activated charcoals. B. C. A.

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

B-III-5

BC

(A) Dechlorinating power of non-activated charcoals in comparison with commercial activated ones. (B) Application of activated and regenerated charcoals to the dechlorination of water. L. A. Kulski (Ukrain. Chem. J., 1934, 9, 185—191, 193—219). —(A) [With P. B. Morgts]. H_2O can be filtered and dechlorinated simultaneously by passage through birch or pine charcoal (I).

(B) [With J. M. Glazman]. A highly active product (II) is obtained by treating (I) saturated with Cl_2 with hot 1—2N-NaOH; the activity of (II) increases with each repetition of the process. This affect is not obtained with commercial activated charcoals. R. T.

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

BC

B - III - 5

Control of the electro-cathodic process in [water-purification] practice. L. A. Kulski and G. M. Mitilino (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1937, No. 4, 25—36).—Tests showed that the amount of Ag in H_2O by this process corresponded with the electrical energy consumed (within the limits of 0·058—0·0059 amp./cm.^{2}) in presence of KNO_3, NH_3, HCl, and traces of Cl'. Chlorides and sulphides coated the electrodes and prevented dissolution.

O. M.

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PROCESSES AND PROPERTIES INDEX

BC

B-III-5

New designs of Soviet [water] chlorinator. L. A. Kulskii (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1937, No. 4, 55—73).—Improvements in design, including dry-gauge-type gasometers, accurate gauges tabulated in g., and Cl_2-resistant coatings for the inner parts etc., are outlined. O. M.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

B-III-5

Purification of water and foodstuffs with silver ions. L. A. Kulski (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1937, No. 4, 7—24).—Oligodynamic action depends on the presence of optimum amounts of cathodic Ag, and as the amounts of Ag producing useful effects surpass the limits of oligodynamic effect, doses of 0·4—0·9 mg. of Ag are necessary. The electro-cathodic method of raising the Ag content is the most promising, and three designs of suitable instruments (ionators) for industrial sterilisation of H_2O and food are discussed. O. M.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

BC

B-III-5

LK chlorinator mixers as gas-absorbing apparatus. L. A. Kulski and O. K. Lebedinteeva (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1937, No. 4, 91—117).—The factors governing the most effective conditions in the mixer for Cl_2 absorption by H_2O, and its other possible uses (e.g., Cl_2 adsorption by alkali, and for white-Pb solution containing ±20 g. of active Cl per litre), are investigated. O. M.

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PROCESSES AND PROPERTIES INDEX

3C

B-III-5

Mechanization of the water-chlorination process. I. A. Kulski (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1937, No. 4, 110—125).—Design of plants for automatically feeding Cl_2 to H_2O is discussed. O. M.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

B-III-5

Control of chlorine passing through the chlorinator capillaries. L. A. Kulski, L. P. Maljuschitski, and G. M. Mitilino (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1937, No. 4, 75—89). —Tests show that the rate of flow of Cl_2 from capillary tubes does not depend on their diameters, but is a const. The amount of Cl_2 issuing is ∝ the area of the capillary. O. M.

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CA

14

Control of the electrocathodic process in practice. I. A. Kul'akii and G. M. Mitilino. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 4, 25-35 (in Russian 35-0, in English 36) (1937). Various methods are compared for the detn. of small amts. of Ag in water. For practical purposes, the amt. of Ag introduced into the water can be computed from the elec. energy used. Variation in c. d. from 0.0050 to 0.0580 amp. per sq. cm. did not affect this relationship. In the presence of NH_3 (0.3%), H_2SO_4 (0.9%), and small amts. of chlorides and sulfides (27 mg./l.) there was no appreciable effect upon the cathodic process. In the presence of large amts. of chlorides (22 g./l.) and sulfides the electrodes became covered with a film and no Ag dissolved. R. Z. K.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

B-III 5

BC

Nephelometric determination of cathodic silver in water. L. A. Kulski and G. M. Mirzhan (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1937, No. 4, 43—49).—A method for determining small amounts of ionised Ag (0·00008—0·01 g. per litre) with an error of ±3—4% is given. The H_2O must be free from colouring and suspended matter. O. M.

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CA

14

New design of the Soviet chlorinator. L. A. Kul'skii. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S.S.S.R.* No. 4, 55-70 (in Russian 70-1; in English 72-3) (1947). The construction and operation of the latest Soviet chlorinators are described. Their outstanding features are the protection of the inner parts from the action of Cl by a solidified Ag coating, and the accelerated mixing of the Cl and water in a mixer of special design. Since 1937 the chlorinators are being produced for com. use.

B. Z. Kanich

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1ST AND 2ND ORDERS

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CA

14

Control of chlorine passing through the chlorinator capillaries. L. A. Kul'skii, L. P. Malyushits'kii and G. M. Mitilino. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 4, 15-8 (in Russian 88, in English 89) (1937). The speed of Cl outflow through capillaries of 0.2, 0.4, 0.6 and 0.8 mm. diam. and under pressures of 0.5-2.0 kg./sq. cm. was proportional to area of cross section. Within residual pressure limits of 1.02-1.32 kg./sq. cm. the outflow is dependent chiefly upon gas d. On the basis of expts. tables of Cl feeding for various capillaries were computed. B. Z. Kamich

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PROCESSES AND PROPERTIES INDEX

CA

14

Mixer of LK-chlorinators as a gas-absorbing apparatus. L. A. Kul'skii and O. K. Lebedintseva. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 4, 91-116 (in Russian 116-17; in English 117-18) 1937. Efficiency tests with LK chlorinators showed that an increase in fan threads from 3 to 6 had no effect on the work of the mixer. The smallest Cl losses were obtained when the bar height in the mixing cylinder was 3.5-4.0 cm. An increase in water speed to 3.3 L/min. causes the Cl absorption to rise in proportion to the water feed. A rise in water height from 11 to 26.5 cm. produces a proportional increase in chlorination. H. Z. Kamich

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CA

14

Mechanization of the water chlorination process. L. A. Kul'skii. *Mem. Ind. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 4, 119-24(in English 125-[illegible]).—The construction and operation of an electro-automatic Cl regulator are described. B. Z. Kanich

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CA

Treatment of (cooling) water with salts of aluminum and iron. L. A. Kul'skii, A. M. Koganovskii and A. I. Rozanova. *Vodosnabzhenie Sanit. Tekh.* 16, No. 4, 35-7 (1941).—Alum and $FeSO_4$ (I) were found satisfactory for the removal of bicarbonates from water; the doses of HCl are too crit. The alum is more efficient, but I may be more advantageous with waters high in org. matter, Fe and Mn compds. R. Gutoff

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

Cl

18

The use of mixing chlorinators of the LK type for obtaining bleaching alkalies. L. A. Kul'skii, I. T. Goronovskii and M. A. Shevchenko. *J. Chem. Ind.* (U. S. S. R.) 18, No. 23-4, 5-8(1941).—LK chlorinators can be used for chlorinating 0.5-1.5 *N* solns. of NaOH and Na_2CO_3 by replacing the metal parts with ebonite. NaOH solns. give slightly higher yields of active Cl than Na_2CO_3, and the results are as good as when Cl is bubbled through the soln. Cl can be passed at 90-1700 l. per hr. at temps. up to 50° with almost no temp. increase or loss of Cl. Small pressure changes in the app. have no effect. H. M. L.

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2

Colloid adsorption from water by aluminum and iron hydroxide gels. I. Influence of farrogel dehydration on Congo red adsorption. L. A. Kul'skii and A. M. Kogan-novskii (Inst. Chem. Acad. Sci. U.S.S.R., Mosc.). *J. Applied Chem. (U.S.S.R.)* 17, 599-605(1944)(English summary).—Adsorption of Congo red from colloidal solns. onto active charcoal and Fe hydroxide gels was studied. All isotherms fit the Langmuir equation. Strongly hydrated Fe hydroxide gels have a large sorption capacity which falls sharply with dehydration. Contraction and adsorption loss on dehydration are attributed to decrease in diam. of microcapillaries during dehydration.

O. M. Kosolapoff

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIĬ, L. A.

Author: Kul'skii, L. A.

Title: New data in the technique of water purification with chlorine; the report in the conference of municipal workers of the Ukrainian SSR. (Novye dannye v tekhnike ochistki i obeavrezhivaniia vody khlorom;)

City: Kiev

Date: 1946 55 pages

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 2, Feb., 1950, p. 681

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKII, Leonid Adol'fovich.

New data on the technique of purification and chlorination of water. Kiev, 1946. 55 p. (50-22178)

TD461.K8

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KOL'SKIY, Leonid Adol'fovich.

The purification and chlorination of water. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1947. 422 p. (50-24763)

TD468.K82

1. Water - Purification - Chlorination

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, Leonid Adol'fovich.

Improving the quality of drinking water; the works of the Academy of Sciences of the Ukrainian SSR. Kiev, Izd-vo Akademii nauk Ukr. SSR, 1948. 54 p. (50-20461)

TD430.K8

1. Water - Purification. I. Akademiia nauk URSR, Kiev.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L. A.

PA 14/49T44

USSR/Medicine - Water, Purification Jun 48
Chemistry - Coagulation

"The Use of Coagulants in Purifying Drinking Water," L. A. Kul'skiy and A. M. Koganovskiy, Inst of Gen and Inorg Chem, Acad Sci USSR, 4¼ pp

"Gig i San" No 6

Studies coagulation of humus water by mixed iron-aluminum coagulants, containing aluminum sulfate. Explored possibility of partial replacement of aluminum coagulant with iron in highly colored humus waters without adversely affecting quality of purification and of accelerating coagulation and

[redacted] 14/49T44

USSR/Medicine - Water, Purification (Contd) Jun 48

decreasing expenditure of coagulant. Effective results obtained but further experiments needed before introduction of method.

[redacted] 14/49T44

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L. A.

Kul'skiy, L. A. and Goronovskiy, I. I. "The use of a triangular diagram in the investigation of the process of water purification by coagulation," Ukr. Khim. Zhurnal, Vol XV, Issue 1, 1949, p. 83-96

SO: U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L. A.

Chemical Abst.
Vol. 48 No. 6
Mar. 25, 1954
Water, Sewage, and Sanitation

(3) Chem

The influence of anions contained in natural waters on the speed of coagulation of aluminum hydroxide sol. L. A. Kul'skiĭ, A. M. Kogan'ovskiĭ, and M. A. Shevchenko. *Ukrain. Khim. Zhur.* 16, No. 1, 64-73(1950); *Chimie & industrie* 65, 301(1951).—$Al(OH)_3$ sol was prepd. by pptn. of a soln. of $AlCl_3$ by NH_4OH, peptization with HCl at the b.p., and dialysis for 10-12 days. At 20 ± 0.5° the ions Cl^-, OH^-, HCO_3^-, SO_4^{--}; an excess of ions does not accelerate the coagulation of the sol increases in the order: retard coagulation. Binary mixts. of ions are more active than would be expected from their separate activities; thus an instantaneous coagulation is obtained with a concn. of HCO_3^- plus SO_4^{--} equal only to 60% of the sum of the concns. necessary to obtain coagulation separately.

Braham Norwich

4/8/54
BW

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; GORONOVSKIY, I.T. ; KAGANOVSKAYA, M.I.

Use of triangular diagrams in investigating water purification by coagulation. III. Effect of the cationic composition of the water. Ukrain. Khim. Zhur. 16, No.3, 470-8 '50. (MLRA 6:4)
(CA 47 no.22:12707 '53)

1. Inst. of Gen. and Inorg. Chem., Acad. Sci. Ukr. S.S.R., Kiev.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, Leonid Adol'fovich.

Technological efficiency in the purification of drinking water. Kiev, Izd-vo Akademii nauk Ukr. SSR, 1951. 39 p. (52-23318)

TD430.K79

1. Water - Purification

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L. A.

Water - Purification

Physical and chemical basis for purification of water by coagulation., Reviewed by R. D. Gabovich., Gig. i san., No. 12, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March, 1952 ~~1953~~. Unclassified.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; SHEVCHENKO, M.A.

Purification of drinking water with a mixture of ferric and ferrous chlorides. Ukr.khim.zhur.17 no.2:239-251 '51. (MLRA 9:9)

1.Institut obshchey i neorganicheskoy khimii AN USSR.
(Water--Purification) (Iron chlorides)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

1. KUL'SKIY, L. A.; KOGANOVSKIY, A. M.; PETRENKO, V. G.

2. USSR (600)

4. Water - Purification

7. Use of a suspended chalk layer for the removal of iron and copper from water. Ukr. khim. zhur. 17, No. 6, 1951.

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

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

USSR/Medicine - Disinfectants Sep 51

"Silver Water," L. A. Kul'skiy, Dr Tech Sci, Lab of Water Technol, Acad Sci Ukrainian SSR

"Nauka i Zhizn'" Vol XVIII, No 9, pp 27-29

Describes Russian work on the Katadyn process and application of silver solns prepd by the electrolytic and other methods. Mentions "Ammargen," Prof Ermolayev's Ag NH_3 soln which has bactericidal properties, and refers to application of oligodynamic Ag solns in disinfection, for the treatment of inflammations of the throat, nose, and eyes, the therapy of gastric and intestinal ulcers, and the treatment of

213T92

war wounds on an extensive scale in World War II. Describes electrolytic Ag ionizers with Ag electrodes which were designed by the Lab of Water Technol, Acad Sci Ukrainian SSR, in 1937 (stationary ionizers LK-22 and LK-23, 3 types of portable LK-25, portable LK-26 and LK-27 for use in travel). These ionizers are now being manufd at Kiev. States that water and ice can be purified and food products (beer, wine, milk without destruction of vitamin C, etc.) sterilized with the use of ionized silver.

213T92

KUL'SKIY, L. A.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, A.

(2)

Role of colloid-chemical processes in the purification of water by coagulants. A. Kul'skii and A. M. Koganovskii (*Ukr. khim. Zhur.*, 1952, 18, 197–212).—A study of the adsorption of humic substances etc., on $Fe(OH)_3$ and $Al(OH)_3$ indicates that the essential process in the purification of water is the adsorption of impurities on to the colloidal hydroxide, and that coagulation serves merely to remove that latter from the purified water. R. C. MURRAY.

Inst. Gen. & Inorganic Chem
Acad Sci Ukr SSR

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

3

Journal of Applied Chemistry
May 1954
Chemical Engineering and
Electrochemical.

Removal of iron from waters of varying mineral composition after purification with iron salts. L. A. Kul'skiĭ and M. A. Sheychenko (*Ukr. khim. Zhur.*, 1952, **18**, 259—264).—The Fe elimination areas (Fe concn. <0·03 mg./l.) on HCO_3'-Cl'-SO_4'' system triangular diagrams decrease in the following order of Fe salts used as coagulants: $FeCl_3$, $FeCl_2$, $FeSO_4$, $Fe_2(SO_4)_3$, ($FeCl_3$+$FeCl_2$). In many cases, chlorination of water does not eliminate Fe, but stabilises the hydroxide formed. Treatment with CaO is the most effective means of removing Fe. R. C. MURRAY.

10-13-54

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Water, Sewage, and Sanitation

Reaction of chlorine and ammonia under conditions of purification of drinking water by chlorination with ammonization. I. L. A. Kul'skii and G. E. Lebedintseva. (Inst. Gen. and Inorg. Chem. Acad. Sci. Ukr. S.S.R.). *Ukrain Khim. Zhur.* 18, 673-82(1952)(in Russian).—Detn. of residual Cl under various conditions of pH and input of NH_3 and Cl_2 was carried out. The results indicate that in the region of pH 5-9 with equimolar ratio of the reactants or with higher proportion of NH_3, the reaction leads to NH_2Cl; if the ratio is less than equimolar, NH_2Cl is still the 1st product formed, but the excess Cl_2 oxidizes it to N_2 and N_2O. In addn., there also occur: decompn. of NH_2Cl and hydrolysis. At pH 7-9 the concn. of active Cl being at approx. 0.0001*N* level at 20°, the oxidation of NH_2Cl requires some 12 hrs. Higher or lower pH retards the reaction. At pH 8-9 NH_2Cl is most stable. At pH 5 its decompn. is much more rapid. At pH 5-7 lowering the concn. of active Cl in a soln. of NH_2Cl occurs at the same or greater rate than in soln. of free Cl_2. The contradiction of this fact and the usual practice of use of NH_3 to conserve Cl_2 in water purification is explained by the fact that the conservation of Cl_2 is mainly connected with oxidation of impurities in the water with which NH_2Cl reacts less rapidly than does Cl_2. G. M. Kosolapoff

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; SHEVCHENKO, M.A.

Stabilization of water composition in the process of purification by coagulation. Ukr.khim.zhur. 19 no.2:215-222 '53. (MLRA 7:4)

1. Institut obshchey i neorganicheskoy khimii Akademii nauk USSR.
(Water--Purification)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'S'KYY, L.A., professor.

Ways of perfecting methods of treating drinking water. Visnyk AN URSR 24 no. 6:34-42 Je '53. (MLRA 6:6)
(Water-- Purification)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.

KUL'SKIY, L.A., professor; KASTAL'SKIY, A.A., redaktor; NOVOCHADOV, A.G., [redacted]or; KONYASHINA, A.D., tekhnicheskiy redaktor

[Chemical and technological aspects of water processing] Khimiia i tekhnologiia obrabotki vody. Moskva, Izd-vo Ministerstva kommunal'-nogo khoziaistva RSFSR, 1954. 237 p. (MIRA 8:4)
(Water--Purification)

Kul'skiy Leonid Adol'fovich

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.

Suitability of various reagents for fixing carbonic acid during the [illegible] of highly discoloured waters

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

4

CH V Automatic control of the quality of ferric chloride coagulant by oxidation-reduction potential. L. A. Kul'skii, A. M. Koganovskii, and I. A. Stempkovskaya. [illegible]

Inst. Gen + Inorg Chem

AS UKr SSR

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

Kul'skiy, L.A.

Subject : USSR/Medicine AID P - 2626

Card 1/1 Pub. 37 - 3/22

Authors : Kul'skiy, L. A., Koganovskiy, A. M., Rovinskaya, T. M.

Title : Effect of sodium silicate on the purification of water by coagulation

Periodical : Gig. i san., 8, 12-15, Ag 1955

Abstract : Various tests for purifying and decolorizing the water by different chemicals are described. It is demonstrated that ferric chloride is a better decolorizing agent and a better activator of flocculation than sodium silicate. The addition of the latter to water is therefore not recommended. Tables. 4 refs., 1937 - 1953.

Institution : Institute of General and Inorganic Chemistry, Acad. of Sci., Ukr. SSR

Submitted : Jl 18, 1954

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY L. A.

USSR/ Chemistry - Chemical technology

Card 1/1 Pub. 116 - 22/29

Authors : Kul'skiy, L. A., and Shevchenko, M. A.

Title : Use of chalk for the reduction of the carbonic acid aggressiveness of natural colored water

Periodical : Ukr. khim. zhur. 21/6, [illegible]

Abstract : The possibility of using chalk for the reduction of the carbonic acid aggressiveness of highly colored natural water without doing any harm to its color was investigated. It was found that the introduction of chalk into the water, basically liberated of any [illegible] degree of water [illegible]

Institution : Acad. of Sc., Ukr. SSR, Inst. of Gen. and Inorgan. Chem.

Submitted : July 14, 1955

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; GORONOVSKIY, I.T.; ROVINSKAYA, T.M.

Control of carbonic-acid aggressiveness by measuring the electric conductivity of water. Gidrokhim. mat. 23:183-191 '55.(MLRA 9:2)

1. Institut obshchey i organicheskoy khimii Akademii nauk USSR i Laboratoriya khimii i tekhnologii vody.
(Water--Electric properties) (Carbonic acid)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; SHEVCHENKO, M.A.; CHUBUK, Z.F.

The nature of matter conditioning the coloration of water of the Dnieper. Gidrokhim.mat. 25:59-68 '55. (MLRA 9:6)

1.Institut obshchey i neorganicheskoy khimii Akademii nauk USSR. (Dnieper River--Water)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; SHEVCHENKO, M.A.

Use of chalk for the reduction of carbon dioxide aggressiveness in natural colored waters. Ukr.khim.shur. 21 no.6:788-791 '55. (MLRA 9:5)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Carbon dioxide) (Water--Purification)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, Leonid Adol'fovich, professor; DUMANSKIY, A.V., akademik, otvetstvennyy redaktor; TITKOV, B.S., redaktor; ZHUKOVSKIY, A.D., tekhredaktor

[Silver water, its properties, and use] Serebrianaia voda, ee svoistva i primenenie. Kiev, Izd-vo Akademii nauk USSR, 1956. 38 p. (MLRA 10:1)

1. Akademiya nauk Ukrainskoy SSR (for Dumanskiy)
(Silver salts--Physiological effect) (Bactericides)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; SMIRNOV, P.I.

Installation for disinfecting water drawn from well shafts. Vod. i san.tekh. no.2:17-18 F '56. (MLRA 9:6)
(Water--Purification)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KULSKIY, L.A.

USSR /Chemical Technology. Chemical Products and Their Application
Water treatment. Sewage water. H-5

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1686

Author : Kul'skiy L.A., Shevchenko M.A., Lempke G. Yu.

Title : Prospects of Utilization of Activated Silicic Acid in the Treatment of Water of Open Reservoirs

Orig Pub: Vodosnabzheniye a san. tekhnika, 1956, No 11, 24-27

Abstract: Description of the results of experiments on preparation of activated silicic acid. The activation procedure was applied to a solution of Na_2SiO_3 containing (in % by weight): 30 SiO and 10.7 Na O. Activation was effected with Al (SO) , gaseous Cl and 50% H SO . Treatment with Cl is the most effective.

Card 1/1

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.; SHEVCHENKO, M.A.; CHUPOVA, V.P.

Stabilizing water on a suspended aluminum hydroxide - chalk bed.
Ukr.khim.zhur. 22 no.4:542-545 '56. (MIRA 10:10)

1.Institut obshchey i neorganicheskoy khimii AN USSR.
(Water--Purification)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, Leonid Adol'fovich [Kul's'kyi, L.A.]; ROVINS'KA, T.M.

[Practical work in the chemistry and microbiology of water] Praktykum z khimii ta mikrobiologii vody. Kyiv, Derzhbudvydav URSR, 1957. 131 p. (MIRA 13:8)
(WATER--ANALYSIS)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

KUL'SKIY, L.A.

KUL'SKIY, L.A.; SHEVCHENKO, M.A.; CHUPOVA, V.P.

Stability of odors of biological origin in water [with summary in English]. Gig. i san. 22 no.5:16-22 My '57. (MIRA 10:10)

1. Iz Instituta obshchey i neorganicheskoy khimii AN SSSR.
(WATER SUPPLY,
odors of biol. origins, difficulties in control (Rus))
(ODORS,
in water, difficulties in control (Rus))

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927510014-2

Kul'skiy, L. A.

73-1-22/26

AUTHOR: Kul'skiy, L. A., Koganovskiy, A. M., Makhorin, K. Ye., Kaliniychuk, Ye. M., Chertov, V. M. and Dikolenko, Ye. I.

TITLE: Production of Active Anthracite Suitable for the Purification of Waste Waters of the Aniline-Dye Industry. (Polucheniye Aktivirovannogo Antratsita, Prigodnogo Dlya Ochistki Stochnykh Vod Anilinokrasochnoi Promyshlennosti.)

PERIODICAL: Ukrainskiy Khimicheskiy Zhurnal, 1957, Vol. 23, No.1, pp. 117 - 121 (USSR).

ABSTRACT: Laboratory and pilot plant investigations on the activation of anthracite by water vapour and a mixture of combustion products of carburetted benzene with water vapours at 800 - 950° C are described. It was found that the quality of obtained adsorbents depended on the treatment of the anthracite. The activated anthracite contained 150 - 200 mg/g phenol and up to 300 mg/g methylene. The activation of anthracite gives an absorbent with a phenol content of 125 - 165 mg/g and a methylene content of 120-130 mg/g. Activated coal KAD is produced. The usefulness of the activated anthracite for sorption purification of waste waters of the aniline-dye industry is evaluated. The kiln for the activation of anthracite is illustrated and described. The properties of activated anthracite

Card 1/2

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