

Determination of the Duration of the Adsorption SOV/153-2-3-8/29
Process for the First Range of the Langmuir Isotherm

is good. In the second example the data necessary for the computation were taken from papers by Kharin and Protasova (Ref 6). There are 4 figures, 2 tables, and 6 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskii institut imeni D. I. Mendeleeva . Kafedra protsessov i apparatov (Moscow Institute of Chemical Technology imeni D. I. Mendeleev - Chair of Processes and Apparatus)

SUBMITTED: March 27, 1958

Card 2/2

SERPIONOVA, Ye.N.

Plotting vapor adsorption isotherms from the vapor adsorption isotherms of a standard substance under the theory of potential. Izv. vysluchet.zav.;khim.i khim.tekh. 4 no.4:588-593 '61. (MIRA 15:1)

1. Moskovskiy khimiko-tehnologicheskii institut imeni Mendeleeva, kafedra protsessov i apparatov.
(Adsorption) (Water vapor) (Potential, Theory of)

SERFICHOVA, Ye.N.

Adsorption processes in a fluidized bed. Trudy VNIIT no.33:137-
145 '61. (MIRA 14:10)

(Fluidization)
(Adsorption)

SERPIONOVA, Ye.N.

Principles of calculation of the process of adsorption
separation of mixtures in the vapor phase. Izv.vys.ucheb.
zav.;khim.i khim.tekh. 5 no.3:491-495 '62. (MIRA 15:7)

1. Moskovskiy khimiko-tehnologicheskii institut imeni
Mendeleeva, kafedra protsessov i apparatov.
(Adsorption)
(Distillation, Fractional)

SERPIONOVA, Ye.N.

Approximate method of calculating the process of adsorption separation of binary mixtures in the vapor phase. Izv.vys.uch. zav.; khim.i khim.tekh. 5 no.4:653-658 '62. (MIRA 15:12)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni Mendeleeva, kafedra protsessov i apparatov.
(Adsorption)

SERPIONOVA, Ye.N.

Orientation method of calculating the adsorption separation of a vapor mixture into two fractions. Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no. (MIRA 17:2)
4:668-674 '63.

1. Moskovskiy khimiko-tehnologicheskiiy institut im. Mendeleeva. Kafedra protsessov i apparatov.

SERPIONOVA, Ye.N.

Determining the value of the mass transfer coefficient
in the process of periodical adsorption. Trudy MFTI
no.40:151-155 '63. (MIRA 18:12)

SERPIONOVA, Ye.N.

Calculation of the process of adsorption separation of a binary vapor mixture with the drawing off of intermediate fractions along the height of the column. Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no.5:856-860 '63. (MIRA 16:12)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni Mendeleyeva, kafedra protsessov i apparatov.

SER'IONOVA, Ye.N.

Method of approximation for calculating the adsorption separation of a multicomponent vapor mixture with sampling of intermediate fractions. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.6:1010-1014 '64. (MIRA 18:5)

1. Moskovskiy khimiko-tehnologicheskii institut imeni Mendeleeva, kafedra protsessov i apparatov.

ELIASHIN, A.G.; SERPICHINA, Y.S.; GABIROV, S.S.

Determining the rate of desorption for the first order of the
Langmuir adsorption isotherm. Izv. Akad. Nauk SSSR, 1969, 16, 160.
(Chem. Abstr. 63:160)

SERPKOVA, V.

All-Union seminar of volunteer-reporters of the State
Publication House for Literature on Construction and
Architecture. Zhil. stroi. no.8:29-30 '65.

(MIRA 18:8)

1. Spetsial'nyy korrespondent zhurnala 'Zhilishchnoye stroitel'-
stvo."

SERPKOVA, V.

Improving large-panel construction in Pervoural'sk. NTO 3
no. 1:59 Ja '61. (MIRA 14:2)
(Pervoural'sk--Buildings, Prefabricated)

SERPOKRYL, I.S.

AID P - 2584

Subject : USSR/Hydraulic Engineering
Card 1/1 Pub. 35 - 7/20
Author : Serpokryl, I. S., Eng.
Title : ~~FRIBILITY OF ROCK FOUNDATIONS UNDER WATER~~
Periodical : Gidr stroi, 4, 22-24, Ap 1955
Abstract : Drilling methods used to loosen up the river or reservoir beds in order to increase their depths are described. Drillings were performed from the ice in winter and from a pontoon in summer, and explosives were used to speed the excavations. Two diagrams.
Institution : None
Submitted : No date

SERPOKRYL, I.S., inzhener; PASECHNIK, V.V.

Ripping rocky soils in industrial areas. Mekh.trud.rab.10

no.11:30-31 N '56.

(MIRA 10:1)

(Blasting)

(Boring)

MAYEVSKIY, G.A.; MITASOV, Ya.T.; SERPOKRYL, I.S.

Reinforced concrete anchor bolting in swelling grounds. Ugol'
Ukr. 3 no.12:31-33 D '59. (MIRA 13:4)
(Lvov-Volyn' Basin--Mine roof bolting)

SERPOKRYL, I.S., inzh.

Use of machines with diesel engines in crosscutting. Shakht. stroi.
7 no.2:23-24 F '63. (MIRA 16:3)

1. Trest Tadzhikgidrostroy.
(Diesel engines--Safety appliances) (Mining machinery)

MITASOV, Yevgeniy Timofeyevich; SERPOKRYL, Ivan Stefanovich;
CHERNEGOVA, E.N., red. izd-va; LAVRENT'YEVA, L.G., tekhn.
red.; SABITOV, A., tekhn. red.

[Modern technology of development mining] Sovremennaiia
tekhnologiya provedeniia podgotovitel'nykh vyrabotok. Mo-
skva, Gosgortekhnizdat, 1963. 160 p. (MIRA 16:6)
(Mining engineering)

SERPOKRYL, N.V.

Objective indicators characterizing the process of reading
in persons with eye diseases. Trudy LIETIN no.13:222-240
'64. (MIRA 18:12)

SEERPOKRYL, N.V., kand.med.nauk

Changes in the eye in hypertension in elderly and senile persons.
Trudy LIETIN no.4:166-173 '60. (MIRA 16:2)
(GERIATRICS) (EYE--DISEASES AND DEFECTS) (HYPERTENSION)

SERFOKRYL, Nina Vasil'yevna; AVERBAKH Fanni Abramovna; OSTROVSKAYA, Mariya Naumovna; TRET'YAKOV , A.F., red.; TIKHOMIROV, A.Ye., red.

[Methodological fundamentals of medical expertise on the capacity for work in diseases of the visual organ; manual for ophthalmologists of therapeutic institutions and Medical Expert Commissions on Working Ability, and teachers of medical institutes] Metodicheskie osnovy vrachebno-trudovoi ekspertizy pri zabolevaniakh organa zreniia; posobie dlia oftal'mologov lechebnykh uchrezhdenii i VTEK, prepodavatelei meditsinskikh institutov. Pod red. A.F. Tret'iakova. Moskva, Medgiz, 1963. 129 p. (MIRA 17:6)

BIGLER, M.S.; SHARYGINA, L.I.; KASPAROVA, A.B.; YAKOVLEV, V.A.;
GRINEVICH, N.N.; YUDINA, A.P.; SEMICHENKO, N.P.;
STOLYAROV, A.I.; FURSOVA, T.A.; KOZLOV, I.D., red.;
SERPOKRYL, S.M., red.

[Leningrad and Leningrad Province in figures; a statistical abstract] Leningrad i Leningradskaya oblast' v tsifrakh; statisticheskii sbornik. Leningrad, Lenizdat, 1964. 250 p. (MIRA 18:1)

1. Leningrad (Province) Statisticheskoye oblastnoye upravleniye.
2. Statisticheskoye upravleniye goroda Leningrada (for Bigler, Sharygina, Kasparova, Yakovlev, Grinevich, Yudina).
3. Statisticheskoye upravleniye Leningradskoy oblasti (for Semichenko, Stolyarov, Fursova).
4. Nachal'nik Statisticheskogo upravleniya goroda Leningrada (for Kozlov).

NOVOSELOVA, Yelena Yakovlevna; SERFOKRYL, S.M., red.

[A motor ship sails the Volga-Baltic Sea Waterway]
Teplokhod idet po Volgo-Baltu. Leningrad, Lenizdat,
1965. 136 p. (MIRA 19:1)

ADASINA, V.I.; VASSEL', I.P.; ZUYEV, B.V.; RIOR, E.M.; SERPOKRYI,
S.M., red.

[Get acquainted with Vyborg; a guidebook] Znakom'tes' -
Vyborg. Leningrad, Lenizdat, 1965. 126 p. (MIRA 18:12)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

7

B

SERPOKRYLOV

Method of Restoring the Wobblers of Cast Iron Rolls.
I. D. Kuzema, A. I. Serpokrylov, and V. S. Aristov.
Welding, v. 15, Jan. 1947, p. 37. Abstracted from
Avtozhenos Delo, no. 10, 1945.

Machinable gray cast iron was deposited using
cast electrodes, the composition of which is given.
Also describes mechanical set-up.

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

A.S.M.E. METALLURGICAL LITERATURE CLASSIFICATION

REVISION NUMBER

RESEARCH GROUP

GROUPS

1ST OR 2ND

3RD OR 4TH

5TH OR 6TH

7TH OR 8TH

9TH OR 10TH

11TH OR 12TH

13TH OR 14TH

15TH OR 16TH

17TH OR 18TH

19TH OR 20TH

21ST OR 22ND

23RD OR 24TH

25TH OR 26TH

27TH OR 28TH

29TH OR 30TH

31ST OR 32ND

33RD OR 34TH

35TH OR 36TH

37TH OR 38TH

39TH OR 40TH

41ST OR 42ND

43RD OR 44TH

45TH OR 46TH

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51ST OR 52ND

53RD OR 54TH

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61ST OR 62ND

63RD OR 64TH

65TH OR 66TH

67TH OR 68TH

69TH OR 70TH

71ST OR 72ND

73RD OR 74TH

75TH OR 76TH

77TH OR 78TH

79TH OR 80TH

81ST OR 82ND

83RD OR 84TH

85TH OR 86TH

87TH OR 88TH

89TH OR 90TH

91ST OR 92ND

93RD OR 94TH

95TH OR 96TH

97TH OR 98TH

99TH OR 100TH

SERPOKPYLOV, A.I.

USSR/Engineering - Welding, Materials Aug 51

"Electrodes for Building Up Cutting Tools and Machine Parts by Welding," A. I. Serpokrylov, D. Ya. Sobantsev, F. I. Buklin, N. F. Varik, Engineers

"Avtogen Delo" No 8, pp 22,23

Discusses prepr of components and methods for fabrication of heavy-coated metal electrodes and sintered-type electrodes. Materials for latter include wastes of podedite, vokar, high-speed steel and its

200T55

USSR/Engineering - Welding, Materials Aug 51
(Contd)

substitutes, ferroalloys, hyperenectoid carbon steel, chilled cast-iron chips, metallic cobalt, nickel and graphite. Manganese, silicon and titanium serve as binders for sintering electrodes.

200T55

SERPOV, B. I.: Master Tech Sci (diss) -- "Investigation of errors in the photo-projection method of laying out the details of a ship's hull". Leningrad, 1959. 16 pp (Leningrad Shipbuilding Inst), 150 copies (KL, No 15, 1959, 117)

SERPOV, B.I., kand.tekhn.nauk; ZEFIROV, I.V., inzh.

Photographic projection apparatuses for the marking-off of ship
hull plate material. Sudostroenie 28 no.2:61-63 F '62.
(MIRA 15:3)
(Lantern projection) (Shipbuilding--Equipment and supplies)

SERPOV, Boris Ivanovich; BARASHKOV, Nikolay Aleksandrovich; BYKHANOVA, Etoliya Anatol'yevna; ZEFIROV, Igor' Vasil'yevich; ROSHCHIN, Valentin Alekseyevich; NESTEROV, P.A., inzh., retsenzent; SHAKHOV, A.I., inzh., retsenzent; DOBROLENSKIY, V.P., nauchnyy red.; SMOLEV, B.V., red.; KOROVENKO, Yu.N., tekhn. red.

[Laying of a ship hull from scale drawings] Razmetka pri masshtabnoi razbivke korpusa. [By] B.I. Serpov i dr. Leningrad, Sudpromgiz, 1962. 323 p. (MIRA 15:7)
(Laying off (Shipbuilding)) (Photomechanical processes)

5 ERFOU, V. I.

AUTHORS: Reznik, I. D., Yevlakhenko, A. I., Zaberuzhnyy, I. I., Shermaa, B. P., Kudrin, A. N., Seryov, V. I., Petrov, L. K.

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

PERIODICAL: Tsvetnyye Metally, 1959, Nr 7, pp 30-36 (USSR)

ABSTRACT: The use of hot blast in shaft melting in non-ferrous metalurgy is comparatively recent. The authors describe production experiments made by the kombinat (combine) Yuzhuralnikel' together with Gintavmet and Giprobnikel'. Aside from the authors, the following participated in the work: From Yuzhuralnikel': G. V. Kuznetsov, M. K. Zolkins, A. G. Ushakov, V. T. Griukov, D. D. Ushakov, Sharyukhabetov, N. V. Sukhin, I. S. Myraco, V. I. Mannanikov; from Gintavmet: A. S. Burdovnikov, Kruglyakov, Yu. M. Skvortsov, L. I. Yevdokimova; Giprobnikel': N. P. Malyk, Ye. M. Simonov, M. N. Sin'ko, A. N. Derevian. The furnace used had a cross section in the tuyeres zone of 7.2 m² and a width of 2m; stack height was 8 m and the slit tuyeres dipped at 15°.

Card 1/3

Blast heating was provided by a specially designed oil-fired heater. Suitable test methods for determining the experiments were conducted as during a parallel investigation (Ref 4) on the same furnace: a parallel investigation of stack processes was carried out (Ref 5). Blast temperatures of 190, 300 and 400°C were used, the furnace working smoothly (Fig 1 shows the blast-pressure chart) and without difficulties. Compared with cold-blast operation on the same furnace a coke saving of 24.6% was obtained by blast heating to 300°C; allowing for the oil used in the blast heater the economy was 15.2% by weight, 11.5% if the difference in calorific value of oil and coke is taken into account. Fig 2 shows that top gas composition is best at 300°C. This temperature is also close to the optimum for fuel economy (Fig 3) and melting that the burning rates (Fig 4). The authors conclude that the burning rates shown in the accompanying sheet be introduced into practice. They recommend that oil or gas-fired blast heaters should be designed and that the development of methods for blast heating using the heat

Card 2/3

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

ASSOCIATION: Gintavmet (I. D. Reznik, A. I. Yevlakhenko, I. I. Zaberuzhnyy); Kambinat (Goshchinsky); Yuzhuralnikel' (B. P. Shermaa, A. N. Kudrin, V. I. Seryov); Giprobnikel' (L. K. Petrov)

Card 3/3

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

Air blast preheating for shaft furnaces. Tsvet. met. 33 no.10:12-
20 0 '60. (MIRA 13:10)

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

(Air preheaters)

(Metallurgical furnaces--Equipment and supplies)

10.1.1958
STANKUZEVICH, N.A.; SERPOVA, K.P.

Scientific conference on problems in medical first aid, Zdrav.Ros.
Feder. 2 no.2:43-45 F '58. (MIRA 11:3)
(LENINGRAD--FIRST AID IN ILLNESS AND INJURY)

SERPOVA, K.P.

Evaluation and quality of diagnosis done by first aid physicians.
Zdrav. Ros. Feder. 2 no.8:16-20 Ag '58 (MIRA 11:9)

1. Iz Leningradskoy stantsii skoroy pomoshchi (glavnyy vrach
V.N. Golyakov).

(DIAGNOSIS)

(FIRST AID IN ILLNESS AND INJURY)

СЕРПОВА К.П.
GOLYAKOV, V.N.; NOVITSKAYA, K.B.; SERPOVA, K.P.

Results of the reorganization of the hospitalization system in
Leningrad. Sov.zdrav. 17 no.1:14-17 Ja '58. (MIRA 11:2)

1. Iz stantsii skoroy meditsinskoy pomoshchi (glavnyy vrach V.N.
Golyakov) Leningradskogo gorodskogo otdela zdravookhraneniya (zav. -
dotsent A.Ye.Kiselev)

(HOSPITALS

reorganiz. of hosp. in Russia, results (Rus))

I. 04269-67 EWT(r)/T DJ

ACC NR: AP6013310

(A)

SOURCE CODE: UR/0413/66/000/008/0120/0120

AUTHORS: Fedoseyev, N. M.; Sokolov, G. I.; Magin, A. K.; Orlov, I. Ye.; Blokhin, Yu. I.; Morozov, G. V.; Solov'yeva, M. L.; Serpukhov, D. V.

ORG: none

45
B

TITLE: A device for lubricating bearing junctions." Class 47, No. 180924

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 120

TOPIC TAGS: lubricating oil, lubrication, lubrication technique, ANTI-FRICTION BEARING

ABSTRACT: This Author Certificate presents a device for lubricating bearing junctions. The device contains an oil bath and a wick holder with a wick feeding the oil to a shaft held in the bearings (see Fig. 1). To prevent singeing the wick and dropping its remnants into the bearings, a separating contact element is placed between the shaft and the wick. This element is made of antifrictional heat-resistant material and contains axial capillary ducts. Grooves running on the surface of the contact element at an angle to the shaft axis are connected to the ducts and touch the shaft.

Card 1/2

UDC: 62-725.7

L 04268-67

ACC NR: AP6013310

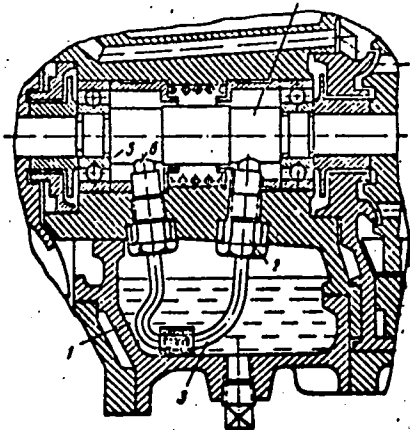


Fig. 1. 1 - oil bath; 2 - wick holder;
3 - wick; 4 - shaft; 5 - bearing; 6 -
contact element.

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 23Jul64

Card 2/2 fv

SERPUKHOV, V.I.

General principles of regional metallogenous analysis. Sov. geol.
no.43:27-42 '55. (MLRA 8:9)
(Ore deposits)

DANILEVSKIY, Viktor Vasil'yevich, akademik; SERPUKHOV, V.I., prof.,
doktor geol.-mineralog.nauk, retsenzent; PRUDENSKIY, G.A.,
prof., doktor ekon.nauk, retsenzent; VVEDENSKIY, A.A., prof.,
doktor istor.nauk, retsenzent; MARENKOV, Ye.A., red.; ARKHAN-
GEL'SKAYA, M.S., red.izd-va; VAYNSHTEYN, Ye.B., tekhn.red.

[Russian gold; history of its discovery and mining up to the
middle of the 19th century] Russkoe zoloto; istoria otkrytiia
i dobychi do serediny XIX v. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1959. 380 p.

(MIRA 13:3)

1. AN USSR (for Danilevskiy). 2. Chlen-korrespondent AN SSSR (for
Prudenakiy).

(Gold mines and mining)

SERPUKHOV, V.I., prof.; TOLSTIKHIN, N.I., red.; ROSSOVA, S.M., red.izd-va;
GUROVA, O.A., tekhn.red.

[Course on general geology] Kurs obshchei geologii. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1960. 634 p.
(MIRA 13:12)

1. Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego
spetsial'nogo obrazovaniya.
(Geology--Textbooks)

GRUSHEVOY, V.G.; DOMAREV, V.S.; ITSIKSON, M.I.; KOF MILITSYN, V.S.;
MARKOVSKIY, A.P.; MOROZENKO, N.K.; NEKHOROSHEV, V.P.;
PADALKA, G.L.; SEMENOV, A.I.; SERPUKHOV, V.I.; TATARINOV, P.M.;
SHATALOV, Ye.T.

Grigoriĭ Sergeevich Labazin, 1898-1963; obituary. Geol..
rud. mestorozh. 6 no.2:125-126 Mr-Apr '64. (MIRA 17:6)

SERPUKHOVA, L. N.

USSR/ Chemistry - Physical chemistry

Card 1/1 Pub. 147 - 16/35

Authors : Tolmachev, V. N., and Serpukhova, L. N.

Title : Spectrophotometric investigation of equilibria in aqueous solutions contain-
ing ammonium vanadate and hydrogen peroxide

Periodical : Zhur. fiz. khim. 30/1, 134-141, Jan 1956

Abstract : The equilibriums in solutions containing ammonium vanadate and hydrogen
peroxide were investigated at various pH values. The concentrational
equilibrium constants were calculated on the basis of spectrophotometric
measurements taken at a temperature of 18 - 20°C and ion magnitude of 0.01
The results obtained are given in tables and graphs. Sixteen references:
8 USSR, 1 Eng., 1 USA and 6 French (1945-1954). Tables; graphs.

Institution : State University im. A. M. Gorkiy, Kharkov

Submitted : May 3, 1955

СЕРПУКHOVA L.N.
TOLMACHEV, V.N.; PODOL'NAYA, G.N.; SERPUKHOVA, L.N.

Spectrophotometric analysis of the interaction between ions of
ferrous oxide and sodium 2-nitroso-1-naphthol-4-sulfonate.
Zhur.neorg.khim. 2 no.9:2073-2077 S '57. (MIRA 10:12)

1.Nauchno-issledovatel'skiy institut khimii Khar'kovskogo
gosudarstvennogo universiteta im. A.M. Gor'kogo.
(Iron oxides) (Sulfonic acids) (Spectrophotometry)

TOIMACHEV, V.N.; SERPUKHOVA, L.N.; SAMOYLOV, V.P.

Studying the structure, stability, and absorption spectra of complexes formed in acetone by cobalt (II) ions with nitrate ions and diantipyrilmethane. Zhur.neorg.khim. 2 no.9:2078-2084
S '57. (MIRA 10:12)

1.Nauchno-issledovatel'skiy institut khimii Khar'kovskogo gosudarstvennogo universiteta im. A.M. Gor'kogo.
(Complex compounds)

PLATE I BOOK REFERENCES

507/353

507/94-8(11)

Amerskaya bank SOEL. Institut Fizicheskii i Analiticheskii Khimii Leningradskogo Universiteta. Kemiya po analiticheskim laboratoriyam.

Spektrometricheskaya i kolorimetrichestkaya metody analiza metallov i metalloidov. Metody i kolorimetrichestkie metody analiza metallov i metalloidov. Metody analiza metallov i metalloidov. Itel'nyi spetsial'nyi laboratorii. Spetsial'nyi laboratorii.

Bezop. 14. I. P. Alimarin, V. N. Kuznetsov, V. N. Kuznetsov, V. N. Kuznetsov. Ed. of Publishing House: V. N. Kuznetsov, V. N. Kuznetsov, V. N. Kuznetsov.

PREFACE: The publication is intended for chemists, spectroscopists, analysts and spectroscopists.

CONTENTS: This collection of 29 articles is devoted to the methods of analysis of elements of the periodic table of Mendeleev. The articles are divided into two sections: Spectrometry and Analytical Chemistry. The first section is devoted to the methods of analysis of elements of the periodic table of Mendeleev. The second section is devoted to the methods of analysis of elements of the periodic table of Mendeleev. The articles are written by leading specialists in the field of analytical chemistry and spectroscopy. The collection is intended for chemists, spectroscopists, analysts and spectroscopists.

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Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N.	Investigating the Properties of Complex Compounds of Cobalt With Nitro and Isonitroso Compounds	125
Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N.	A New Colorimetric Method of Determining Small Quantities of Thallium	135
Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N.	The Selection of Reagents for the Colorimetric Determination of Indium and Gallium	141
Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N.	Probabilities (General), E. V. Pechenkin, and L. V. Golovina. Study of the Absorption Spectra of the Complexes of Certain Rare Elements	152
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Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N., Kuznetsov, V. N.	Colorimetric Method of Analyzing Materials Containing a Large Number of Components	204
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SOV/137-59-1-2144

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 281 (USSR)

AUTHORS: Tolmachev, V. N., Serpukhova, L. N.

TITLE: Spectrophotometric Method for Determining Cobalt and Iron With Sodium 2-, 1-, and 4-Nitrosonaphtholsulfonate (Spektrofotometri-cheskiy metod opredeleniya kobal'ta i zheleza pri pomoshchi 2, 1, 4-nitrozonaftolsul'fonata natriya)

PERIODICAL: Tr. Komis. po analit, khimii AN SSSR, 1958, Vol 8(11), pp 115-124

ABSTRACT: The authors have developed a spectrophotometric method for determining Co and Fe, when both are present, with a nitroso-H salt (I) which forms colored complexes with them. Calibration curves are adduced. In practice the analysis is carried out in the following way: Two 5 cc portions of the solution analyzed are taken, and 5 cc of pH 5.6 buffer solution and 5 cc of I solution are added to each. 0.5 cc of water are added to one of the solutions, whereupon it is read colorimetrically at 660 m μ to determine the Fe concentration; into the other 0.5 cc HCl (1:1) are added, whereupon it is read color-

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Spectrophotometric Method for Determining Cobalt and Iron With Sodium (cont.)

error of the determination is 2-4% (relative).

K. K.

Card 2/2

TOLMACHEV, V.N.; LOMAKINA, G.G.; SERPUKHOVA, L.N.

Relation between the absorption spectra of complex compounds
and their stability in aqueous solutions. Ukr.khim.zhur. 27
no.5:584-592 '61. (MIRA 14:9)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
(Complex compounds—Spectra)

GRITSAN, D.N.; SHUN, D.S.; SERPUKHOVA, L.N.

Electrolytic deposition of dense lead precipitates from aqueous solutions of nitrate. Zhur.prikl.khim. 34 no.7:1528-1532 J1 '61.
(MIRA 14:7)

1. Institut khimii Khar'kovskogo gosudarstvennogo universiteta.
(Lead—Plating) (Lead nitrate)

L 23503-65 EWT(1)/EWP(o)/EWT(m)/EWP(k)/EED-2/EWP(b)/EWP(t) IJP(o) JD

ACCESSION NR: AP5001590

S/0226/64/000/006/0035/0042

AUTHOR: Gritsan, D. N., Serpukhova, L. N.; Zhiron, G. A.; Leykina, R. Sh.; Kruszina, N. G.; Buravlev, A. T.; Yefremova, M. M.; Tyutina, V. K.; Shilova, S. F. 2-B

TITLE: Electrolytic method for obtaining powder for the manufacture of ferrites 7

SOURCE: Poroshkovaya metallurgiya, no. 6, 1964, 35-42

TOPIC TAGS: nickel zinc ferrite, electrodeposition, powder metallurgy, ferrite manufacture, hydroxide precipitation 16

ABSTRACT: The authors describe their electrolytic method for obtaining a mixture of iron, nickel, and zinc hydroxides with a prescribed composition. The method can also be used to obtain a mixture of hydroxides completely free of extraneous metal ions and therefore not requiring special washing. By subsequent heat treatment, a mixture of oxides of a given composition can be obtained from the hydroxide mixture for the manufacture of nickel-zinc ferrites. This electrolytic method of obtaining nickel-zinc ferrite powders is based on the joint anodic solution of iron, nickel, and zinc in the electrolytic cell and simultaneous precipitation of the ions as hydroxides by the hydroxyl ions generated at the cathode. To elicit

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L 23503-65

ACCESSION NR: AP5001590

the possibility of controlling the composition of the hydroxide mixture, the authors studied the kinetics of the electrodeposition of the hydroxide of each metal separately, the completeness of their deposition, and the conditions under which the poorly soluble compounds would not be deposited on the electrodes and would not passivate them. The experiments were conducted at 20 and 90C. Electrolysis was carried out in a glass vessel; the anode was a plate made of the test metal and the cathode was a plate of stainless steel or other metal. Aquaeous solutions of various salts and acids were used as the electrolyte, the most suitable being diluted solutions of NaCl, KCl, or HCl. The HCl solutions made it possible to obtain very pure hydroxide mixtures that did not require washing. Orig. art. has: 1 table and 8 figures.

ASSOCIATION: Khar'kovskiy gosuniversitet im. A. M. Gor'kogo (Khar'kov state university)

SUBMITTED: 25Nov63

ENCL: 00

SUB CODE: MM,IC

NO REF SOV: 002

OTHER: 000

Card 2/2

GRITSAN, D.N.; SERIUKHOVA, L.N.; ZHIROV, G.A.; LEYKINA, R.Sh.; KRUZINA, N.G.;
BURAVLEV, A.T.; YEFREMOVA, M.M.; TYUTINA, V.K.; SHILOVA, S.F.

Electrolytic method of obtaining powders for the manufacture
of ferrites. Porosh. met. 4 no.6:35-42 N-D '64.

(MIRA 18:3)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.

SERPUKHOVA, Vera Ivanovna; TAVLINOVA, Galina Konstantinovna; GLADKIY, N.P.,
redaktor

[Plants for house and balcony] Komnatnye i balkonnye rasteniia.
[Leningrad] Leningradskoe gazetno-zhurnal'noe i kn-vo, 1955. 142 p.
(House plants)

SERPUKHOVA, V.I.

Activities of the palinological section of the All-Union Botanical
Society in January-May 1956. Bot.zhur. 41 no.10:1569-1570 0 '56.
(MLRA 10:1)

1. Vsesoyuznoye Botanicheskoye obshchestvo.
(Paleobotany)

SERPUKHOVITIN, D.V.

Transplantation of animal tumor tissue on developing chick embryos.
Trudy AMN SSSR 21 no.4:123-126 '52. (MLRA 10:8)

1. Iz virusologicheskoy laboratorii (zav. - deystvitel'nyy chlen
AMN SSSR prof. L.A.Zil'ber) Tsentral'nogo nauchno-issledovatel'skogo
onkologicheskogo instituta im. P.A.Gertsena (dir. chlen-korr. AMN
SSSR prof. A.I.Savitskiy)

(NEOPLASMS, experimental,
transpl. to chick embryo)

(EMBRYO,
chick, implantation of tumor tissue)

SERPUKHOVITIN, D.V.; MASHBITS, M.G.

Method for identifying Trichomonas in vaginal secretion. Lab. delo
7 no.10:31-33 0 '61. (MIRA 14:10)
(TRICHOMONAS) (VAGINA--DISEASES)

SERPUKHOVITIN, Yu.M.

Rupture into the bronchus of a hydatid cyst of the liver. Zdravookhranenie
2 no.1:56-57 Ja-F '59. (MIRA 12:7)

1. Iz khirurgicheskogo otdeleniya bol'nitsy Leovskogo rayona (glavnyy
vrach - Yu.M. Serpukhovitin).
(LIVER--HYDATIDS) (BRONCHI--DISEASES)

SERPUKHOVITIN, Yu.M.

Retrograde invagination of the cecum. Zdravookhranenië 2 no.4:
53-54 J1-Ag '59. (MIRA 14:6)

1. Iz rayonnoy bol'nitsy g. Leovo. (CECUM)
(INTESTINES--INTUSSUSCEPTION)

SERPUKHOVITINA, S. F.

Viticulture - Black Sea Region

Achievements of the leading viticulturists; Sad.i og. no. 1, 1952.

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

SNITKO, Nikolay Fedorovich kand. sel'khoz. nauk; SERPUKHOVITINA,
Serafima Erolovna, kand. sel'khoz. nauk; STOROZHENKO,
Yekaterina Moiseyevna, kand. sel'khoz. nauk; GAVRILOV, V.P.,
red.; KHLOBORDOV, V.I., tekhn. red.

[Orchards and vineyards on the farmers' personal plots] Pri-
usadebnyi plodovyi sad i vinogradnik. 2. izd. ispr. i dop.
Krasnodar, Krasnodarskoe knizhnoe izd-vo, 1960. 159 p.
(MIRA 16:1)

(Fruit culture) (Viticulture)

CZECHOSLOVAKIA

C. SERRA, Neuropsychiatric Clinic of the Medical Faculty, University of Palermo, Italy; Head Prof Dr A. BURNHO [original version not given]

"Electromyographic Findings in Obliterating Vascular Diseases."

Prague, Czechoslovakian Neurology, Vol 26(59), No 1, Jan 63; pp 1-8.

Abstract (English summary modified): Studies in 100 patients with various vascular affections and in controls: functional tests in 30 with obliterating arteriosclerosis of legs; 4 stages of the disease are described. In 10 patients with arteriopathies (Raynaud, Burger); electromyographic concomitants of smoking 1 cigarette; data in 10 healthy persons. Study of effect of GMP, ATP, Fe, Vitamins C and B group on activity potentials. Vasodilator clinical pharmacology: 30 patients, EEGs and ENG correlations. Study and treatment should be based on local biochemical events. Six EEGs; about 60 references: 2 Czech, 2 Soviet, about 50 Italian, rest other Western languages.

1/1

BULGARIA

§ERTEV, Mincho, Dr, Senior Veterinarian (starshi veterinaren lekar,)
[Affiliation not given.]

"New Method for Sterilizing Rams for Use as Teasers in Artificial
Insemination of Sheep."

Sofia, Veterinarna Sbirka, Vol 60, No 6, 1963; pp 17-18.

Abstract: Complete absence of rams apparently results in severe disturbances of sexual cycle in sheep, while their presence results in uncontrolled pregnancies; author describes simple technic of closed vasectomy involving injection of melted paraffin into vas; excellent results, complete disappearance of motile spermatozoa and no complications while rams preserve normal libido, keeping sheep in readiness for artificial insemination.

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14

SERSTNEV, Evgenije, Dr., sef zdravstvene statistike

Methodological and statistical errors in clinical examinations.
Med. arh., Sarajevo 11 no.1:115-120 Jan-Feb 57.

1. Centralni Higijenski zavod u Sarajevu (Direktor: dr.
Ante Jamnicki).

(STATISTICS,

med., correction of errors (Ser))

(WRITING,

med., correction of statist. false conclusions (Ser))

DARVAS, A.; SERSTNEV, E.

Reduced sensitivity of *Anopheles maculipennis* to DDT in certain regions of Bosnia and Hercegovina. Sensitivity of *Anopheles* to dieldrin and lindane. Higijena, Beogr. 11 no.1:17-22 '59.

(ANOPHELES pharmacol.)

(DDT pharmacol.)

(DIELDRIN pharmacol.)

(BENZENE HEXACHLORIDE pharmacol.)

SERSTNEV, Evgenije, d-r

Quantitative analysis of epidemiological problems of tuberculosis
in Bosnia and Hercegovina. Med. arh, Sarajevo 13 no.1:81-94 Ja-F '59.

1. Centralni Higijenski zavod u Sarajevu, direktor: D-r Ante Jamnicki.
(TUBERCULOSIS statist.)

ARANICKI, Milos; JAKOB, Gaon; SAMSTNLV, E.

Recent epidemiology studies on endemic nephropathies in People's Republic of Bosnia and Hercegovina. Med. arh. 15 no.3:99-130 My-Je '61.

1. Epidemioloski institut Medicinskog fakulteta u Sarajevu (Sef: prof. dr Milos Aranicki) Centralni higijenski zavod u Sarajevu (Direktor: dr Ante Jamnicki).
(KIDNEY DISEASES epidemiol)

SERSTNEV, Evgenije, dr.

Role of statistics on epidemiological and clinical aspects of malignant neoplasms. Med. arh. 16 no.1:37-48 Ja-F '62.

1. Republicki zavod za zdravstvenu zastitu (Direktor: dr Ante Jamnicki)

(NEOPLASMS statist)

SECRET
SECRETAKOV, M.

They are leading athletes and efficient workers. Prom. koop. 12 no.2:
34 F '58. (MIRA 11:1)

1. Predsedatel' prezidiuma mezhrayonnogo soveta obshchestva "Spartak."
Ostrogozhsk, Voronezhskoy oblasti.
(Ostrogozhsk--Physical education and training)

GOLOMOZYY, V.; SERTAKOV, M. (g.Ostrogzhsk, Voronezhskoy obl.);
BERDICHEVSKAYA, F. (g.Ufa)

From the editor's mail. Mest.prom.i khud.promys. 3 no.1:38
Ja '62. (MIRA 15:2)

1. Direktor Berdyanskogo gorodskogo promyshlennogo kombinata.
(Manufacture)

SERTAKOV, V.B., inzhener; SMIDOVICH, V.A., inzhener.

Improved scheme for connecting electrolytic condensers in automatic control boards of the electromechanical system TsATI. *Elek.sta.* 24 no.7:53 J1 '53.
(MLR 6:7)

(Condensers (Electricity)) (Governors (Steam engine))

AUTHOR: Sertakov, V.B., Engineer.

104-3-29/45

TITLE: Low-level (boiler) water gauge of the hydrostatic type.
(Snizhennyy ukazatel' urovnya gidrostaticheskogo tipa)

PERIODICAL: "Elektricheskiye Stantsii" (Power Stations), 1957,
Vol.28, No.3, pp. 77 - 79 (U.S.S.R.)

ABSTRACT: Modern drum type high pressure boilers operated without gauge glasses should be provided with water level indicators at the control panel. The author has developed such a device which is based on the principle of measuring the difference of pressure between two columns of water. The equipment is described and illustrated by sketches. All high pressure boilers in the Donbass power system have been fitted with these instruments, which have operated very reliably for two years. There are 3 figures.

AVAILABLE: Library of Congress

Card 1/1

SERTAKOV, V.B., inzh.

Experience in the use of water-level indicators with high-
zirconium glass. Elek.sta. 31 no.1:77-78 Ja '60.
(MIRA. 13:5)

(Boilers--Safety appliances)

BULGARIA/Farm Animals. Cattle

Q-2

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 88070

Author : Petkov K., Sertev M.

Inst : Institute of Experimental Veterinary Medicine, Bulgarian AS

Title : Certain Reflex Reactions of the Sexual Apparatus of the Cow

Orig Pub : Izv. In-ta eksperim. vet. med., B'lgar. AN, 1956, 4, 252-255

Abstract : A study was made of the effect of a mechanical stimulation of the clitoris on the functions of the sexual apparatus of the cow. In the experimental group of the animals (73 heads), after 24 hours of observation, ovulation was observed 14.4 percent more often than in the control group (77 animals). The fertility of the experimental cows was 9 percent higher than that of the cows of the control group.

Card : 1/1

BULGARIA/Farm Animals. Cattle.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78734.

Author : Pishev, D.; Prakhov, R.; Georgiyev, G.;
Sertev, M.

Inst :

Title : Cervical Forceps and the Appearance of a Suppurative
Excretion after Artificial Insemination of Cows.

Orig Pub: Zhivotnov"dstvo i vet. delo, 1957, 11, No 6, 26-30.

Abstract: Insemination of cows without the aid of cervical forceps and a vagina spreader gave the same percentage of appearance of mucous-suppurative excretions as insemination without forceps but with the use of vagina spreader. Multiple strangulation and retraction of the cervix of the uterus by the forceps is not the reason for the

Card : 1/2

26

ZIVANOVIC, Olivera, dr., sanitetski major; UZELAC, Ozren, sanitetski puk.
doc.; ILIC, Pavle, sanitetski kapetan, dr.; SEFTIC, Anica, sanitetski
major, dr. Tehnicki saradnici: MILIC, Mirjana, AKSETIJEVIC, Vida

Incidence and phagotypes of Staphylococ us pyogenes in burns
and vicinity. Vojnosanit. pregl. 21 no.12:765-770 D'64.

1. Klinika za plasticku hirurgiju, Mikrobioloski institut, Vojno-
medicinska akademija u Beogradu.

SIRTAC, H.

Violation of road regulations. p. 279.

(Glasnik I NDZBVI. Vol. 5, No. 7, July 1957, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions (FFAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

SKORIĆ, A.; BERTIĆ, V.

Complexometric analyses in soil chemistry. emljaste biljka
12 no.1, 198-199, Zagreb (1971).

1. Agricultural Faculty of the University of Zagreb, Zagreb-
Maksimir.

COUNTRY : Czechoslovakia
JOUR. : RZHM, No. 22 1959, No. 20062
AUTHOR : Sertman, G. I.
TITLE : Not given
SUBJECT : New Processes for the Preparation of Yeast Cultures at Distilleries
ORIG. PUB. : Kvasny Prumysl, 5, No 5, 112-119 (1959)
ABSTRACT : A review article with a bibliography listing 24 titles.

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260

ANGELOVA, Gergina, st. n. sutrudnik, k. kh. n.; SERTOVA, Zapriana, inzh.;
RUSCHEV, Dimitur, dots, k.t.n.; MINEVA, Svetla, inzh.

Determination of uranium content in various solid fuels,
and the character of its connection with coal. Tekhnika
Bulg 13 no.8:19-21, 29 '64.

1. Institute of Organic Chemistry, Bulgarian Academy of
Sciences (for Angelova and Sertova). 2. Institute of
Industrial Chemistry (for Rushev and Mineva).

SERTSENOVA, K. N. and SITNICHENKO, M. G.

"Some Problems in Processing Pictures of Mountainous Regions on Stereometers".
Sb. statey po geodezii. No. 7, pp 3-15, 1954.

Applicability of topographic stereometers was established in processing photographs of mountainous regions. The required accuracy of element orientation may be attained. (RZhAstr, No. 1, 1956)

SO: Sum No 884, 9 Apr 1956

SERTSOV, M., inzh.

Manufacture of caprolactam. Pozh.delo 7 no.8:6 Ag '61.

(MIRA 14:8)

(Chemical industries--Fires and fire prevention)

(Azepinone)

SERTSOVA, A., kand.filosofskikh nauk; KARPOV, G., kand.filosofskikh nauk

Education of new men is the practical objective of the building
of communism. Komm.Vooruzh.Sil 2 no.5:49-54 Mr '62. (MIRA 15:2)

(Communist education)

(Russia—Armed forces—Political activity)

RESEARCH: 1.1.0.11, 1.

Report on Activities of Members of the Polish Technical Engineers Association during the 1st Half of 1974, p. 1/1, (INFORMATION REPORTS), Vol. 10, No. 1, October 1974, Warsaw, Poland)

(1) Monthly List of East European Accessions (SIAM), 10, Vol. 7, No. 1, March 1975, incl.

511164

2

Rączkowski W., Suruga W. Instantaneous Overload of Direct Current Machines.

„Przebieżalność uderowa maszyn elektrycznych prądu stałego”. (Prace Inst. Elektrot. No. 18), Warszawa, 1957, PWT, 9 pp., 22 figs., 3 tabs.

A discussion of the use of rotating machines as a source of short-circuit current. Tests were performed on the behaviour of serial production machines in short-circuit conditions and concerning the frequency of short-circuit currents in comparison with nominal currents. Also determined are a certain dependence and influence of the constants of the circuit on values and processes in the short-circuit currents. Discussion of the test results.

STUM, W.

Pages for high-current voltages. p. 39.

PRZEGLĄD ELEKTROTECHNICZNY. (Stowarzyszenie Elektryków Polskich) Warszawa,
Poland. Vol. 35, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI), IC, Vol. 3, no. 2, Aug. 1959.

Uncl.

SERUGA, Wieslaw, mgr., inz.

Investigations on insulating circuits in the electric runners of
traction machinery. Przegl elektrotechn 37 no.12:514-515 '61.

(Electric insulators and insulation)

JOWETT, W.G.; SERUGA, W., mgr., inz. (translator)

Latest achievements in the construction of diesel locomotives with
electric transmission gear. Probl kolejn no.20:131-156 '62

SERUGA, Wieslaw, mgr. inz.

Influence of permanent shunting resistance of serial windings of a traction engine upon the range of voltage obtained in indefinite state. Przegl elektrotechn 38 no.7:311 J1 '62.

1. Zaklad Trakcji Elektrycznej i Prostownikow, Instytut Elektro-techniki, Warszawa.

SERUGA, Wieslaw, mgr inz.

Laboratory research on insulation systems of electric traction machines. Przegl elektrotechn 38 no.9:388-392 S '62.

1. Instytut Elektrotechniki, Warszawa.

SERUGA, W., mgr inż.

Cooperation of the Division of Electric Traction and Rectifiers of the Institute of Electrical Engineering with the operational departments of the Polish State Railroads. Przegl kolej elektrotech 14 no.10: 309-315 0 '62.

1. Instytut Elektrotechniki, Warszawa.

CZAPLA, Janusz, mgr inż.; SERUGA, Wiesław, mgr inż.

The electric rolling stock industry in the U.S.S.R. Przegl elektrotech
38 no.11:464-468 '62.

1. Zakład Trakcji Elektrycznej i Prostowników, Instytut Elektrotechniki,
Warszawa.

DUBROVIN, K., polkovnik; SERUKHOV, I., kapitan

"What must a manual on the method of tactical training be.
Voen. vest. 40 no.11:42-43 N '60. (MIRA 14:11)
(Tanks (Military science))

SYUZYAYEV, V.I.; REDZHEPOV, I.; SERUKHOVA, L.S.

Isothermal study of surface tension in some systems containing
chloral. Izv. AN Turk. SSR no.3:10-15 '58. (MIRA 11:9)

1. Turkmenkiy gosudarstvennyy universitet im. A.M. Gor'kogo.
(Surface tension) (Systems(Chemistry)) (Chloral)

SERVANESCU, E.

Research on the metabolism in certain varieties of regular and
hybrid maize. Studii cerc biol veget 12 no.2:183-196 '60.
(EEAI 9:11)

(Corn (Maize))

SERVATIUS, G., prof. (Medias)

Competition on field orientation. Natura Geografie 15 no.2:61-64
Mr-Apr '63.

SEKVAKA, J.

We continue to train diesel-locomotive engineers.

P. 7. (ZELEZNICAR) (Praha, Czechoslovakia) No. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

CHALUPA, B.; SYNKOVA, J.; SERVIC, M.

Electroencephalographic changes and memory disorders in acute
intoxication with industrial poisons. Cas.lek.cesk. 98 no.38:
1207-1208 18 S '59.

1. Klinika chorob z povolani v Brne, prednosta doc. MUDr. K. Kadlec.
Psychiatricka klinika v Brne, prednosta prof. MUDr. J. Hadlik.
(OCCUPATIONAL DISEASES)
(POISONING)
(ELECTROENCEPHALOGRAPHY)
(MEMORY)

SERVER, Dr. A.

Modern surgical treatment of progressive deafness-otosclerosis.
Lijec.vjes. 77 no.j-4:221-222 Mar-Apr '55.

1. Izvodi nekih predavanja, koja nisu mogla biti ordzana na kongresu, jer predavaci nisu bili prisutni.

(FENESTRATION

(Ser))

ACC NR: AT6036701

SOURCE CODE: UR/0000/66/000/000/0087/0096

AUTHOR: Severdenko, V. P. (Academician AN BSSR); Kalachev, M. I.; Ankut, P. P.; Sevast'yanov, Ye. S.

ORG: none

TITLE: The deformation of titanium by different stress state systems under testing conditions

SOURCE: AN BSSR. Fiziko-tekhnicheskiy institut. Plastichnost' i obrabotka metallov davleniyem (Plasticity and metalworking by pressure). Minsk, Nauka i tekhnika, 1966, 87-96

TOPIC TAGS: titanium, plastic deformation, temperature dependence, tensile stress, compressive stress, torsion, deformation rate, low temperature, high temperature

ABSTRACT: The mechanical and plastic properties of technically pure titanium (VTI-1) were given for different stress states, temperatures, and deformation rates. Tension, compression, and torsion tests were done at temperatures ranging from -196° to 800°C and strain rates ranging from $4 \cdot 10^{-3} \text{ min}^{-1}$ to 3.0 min^{-1} . Stress-strain curves are shown for tension and compression, while torque-twist curves are shown for the torsion tests. The dependence of tensile and compressive stress on $\log V_d$, where V_d is the strain rate, is given for six different temperatures and four different values of

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