YERASTOVA, V.M.

Changes in the qualitative and quantitative composition of the spawning stock of herring in Onega Bay in 1953-1958. Mat. po kompl. izuch. Bel. mor. no.2:114-118 '63. (MIRA 17:7)

YERBANOVA, L.N.; DRAKIN, S.I.; KARAPET'YANTS, M.Kh.

Comparative study of the heats of solvation of ions in alconols.
Zhur.fiz.khim. 38 no.11:2670-2674 N '64.
(MIRA 18:2)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

DRAKIN, S.I.; YERBANOVA, L.N.; KARAPET'YANTS, M.Kh. (Moscow)

Determination of instantaneous heat effects by means of the Mishchenko and Sukhotin modification of the Schottky calorimeter. Zhur. fiz. khim. 38 no.4:1051-1054 Ap '64. (MIRA 17:6)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.

YERBANOVA, L.N.; KARAPET'YANTS, M.Kh.; DRAKIN, S.I.

Comparative study of the heat of solvation of ions in alcohols. Part 2. Zhur.fiz.khim. 39 no.11:2748-2752 N '65.
(MIRA 18:12)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.

ACC NR: AP7003521 (A) SOURCE CODE: UR/0113/67/000/001/0045/0046

AUTHORS: Yerchenko, L. G.; Khazankina, K. M.

ORG: NIIAvtoprom

TITLE: Application of diffusion coatings to powder-metallurgy products

SOURCE: Avtomobil'naya promyshlennost', no. 1, 1967, 45-46

TOPIC TAGS: metal diffusion plating, nitridation, vehicle component, metal surface, hardness, carburization, iron powder, powder metallurgy, ~~automobile~~ tractor/ Moskvich motor vehicle, DT-54 tractor

ABSTRACT: Experimentation with the diffusion coating of sintered-metal automobile and tractor components at the powder metallurgy laboratory of NIITAvtoprom is described. The treatment, consisting of gaseous carbonitriding of the surface of the parts, imparts a high degree of hardness to them. The thrust ball bearings and front suspension bushings of the "Moskvich" automobile and the sealing rings of DT-54 tractor were made of iron powder having a ferrite structure with 10--15% of pearlite. The parts were subjected to the following process: heating at 850C in an atmosphere of an endothermic gas + 3% of ammonia; tempering by transferring the parts cooled to 830C from the furnace chamber into oil preheated to 180C. The structure and hardness of the materials thus treated were satisfactory and withstood

Card 1/2

UDC: 629.113:621.762.785.5

ACC NR: AP7003521

testing for more than 100 000 km in a "Moskvich" automobile. The substitution of a sintered-metal thrust bearing for one made of steel gives a saving of 28% in the cost of the part or 500 rubles per ton of parts. In the case of the sealing ring, the cost is reduced by 42.9%, to 390 rubles per ton of parts. Orig. art. has: 2 figures.

SUB CODE: 11,13/ SUBM DATE: none

Card 2/2

YERCHENKOV, G.

YERCHENKOV, G.

Developing one's own feed supply. Miss.ind.SSSR 26 no.4:38-40 '55.
(MLRA 8:10)

1. Ministerstvo promyshlennosti myasnykh i molochnykh produktov SSSR

(Feeding and feeding stuffs)

YERCHENKOV, G.

Let's establish a stable feed supply system. Mias.ind.SSSR 27 no.2:36-38 '56. (MLRA 9:8)

1. Ministerstvo promyshlennosti myasnykh i molochnykh produktov SSSR.

(Feeding and feeding stuffs)

YERCHENKOV, G.

Let us increase daily and over-all gains. Mias. ind. SSSR 28 no.3: 39-40 '57. (MLRA 10:6)

1. Ministerstvo promyshlennosti myasnykh i molochnykh produktov SSSR.

(Cattle--Feeding and feeding stuffs)

YERCHENKOV, G.; BARBASHIN, M.

Ways of a further expansion of the resources of raw materials for the meat industry. Mias.ind.SSSR 33 no.5:42-44 '62. (MIRA 15:12)

1. Gosudarstvennyy komitet zagotovok Soveta Ministrov SSSR (for Yerchenkov). 2. Gosplan SSSR (for Barbashin).
(Meat industry)

5(4)

AUTHORS: Panchenkov, G. M., Maksareva, T. S., Yerchenkov, V. V.

SOV/76-32-12-2o/32

TITLE: The Temperature Dependence of the Diffusion Coefficients of Some Organic Liquids (Temperaturnaya zavisimost' koeffiziyentov diffuzii nekotorykh organicheskikh zhidkostey)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 12, pp 2787 - 2791 (USSR)

ABSTRACT: The diffusion coefficients at various temperatures were determined by the diffraction micro method for the pairs of liquids: a) o-xylene-p-xylene, b) o-xylene-mesitylene, and c) 1.36 m solution of p-dichlorobenzene in chlorobenzene-chlorobenzene. Based on the variations of density and viscosity in relation to the temperature found for the individual components, the values for the diffusion coefficients were calculated and compared with those found experimentally. Divergencies remain within the limit of error. There is an approximate exponential dependence between diffusion coefficient and temperature.

Card 1/2

The Temperature Dependence of the Diffusion Coefficients of Some Organic Liquids

SOV/76-32-12-20/32

There are 1 figure, 7 tables, and 10 references, 4 of which are Soviet.

SUBMITTED: June 5, 1957

Card 2/2

PANCHENKOV, G.M.; YERCHENKOV, V.V.

Temperature dependence of the coordination number and diffusion coefficient in liquids. Zhur. fiz. khim. 36 no.4:869-872 Ap '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Diffusion) (Coordination number)

PANCHENKOV, G.M.; YERCHENKOV, V.V.

Relation between diffusion and short-range order in a liquid. Vest. Mosk. un. Ser. 2:20-29 Ja-F '64. (MIRA 17:6)

1. Kafedra fizicheskoy khimii, Moskovskogo universiteta.

KORPUSOV, G.V.; YESKEVICH, I.V.; PATRUSHEVA, Ye.N.; YERCHENKOV, V.V.; ALEKSEYEVA, L.R.

Regularities in the extraction distribution of rare earth elements in neutral solutions. Ekstr.; teor.,prim.,app. no.2:117-140 '62. (MIRA 15:9)

(Rare earths) (Extraction (Chemistry))

PANCHENKOV, G.M.; YERCHENKOV, V.V.

Temperature dependence of the coordination numbers and diffusion coefficients of liquids. Ukr. fiz. zhur. 7 no.8:891-896 S '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet.
(Liquids) (Molecules) (Diffusion)

PANCHENKOV, G.M.; YERCHENKOV, V.V.

Dependence of the coordination number of liquids on the molecular volume and temperature. Zhur. fiz. khim. 38 no.6:1651-1654 Je '64. (MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

SAVARTSEV, A.; KANTARIYA, A.; DOBARIN, B.; YEVLENT'YEV, N., (selo Yegorkino Oktyabr'skogo rayona, Tatarskoy ASSR), OSOTKIN (g.Tyumen'); SHCHERBAKOV (g.Tyumen'); YERDAKOV (g.Tyumen'); VASIL'YEV (g.Tyumen'); RESHETNIK (Tyumen').

In radio clubs of the country. Radio no.12:11-12 D '58. (MIRA 11:12)

1. Predsedatel' soveta Ryazanskogo radiokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Savartsev). 2. Nachal'nik Kuybyshevskogo oblastnogo radiokluba Dorbovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Kantariya). 3. Nachal'nik radiokluba (for Osotkin). 4. Starshiy inzh. radiokluba (Shcherbakov). 5. Nachal'nik uchebnoy chasti (for Yerdakov). 6. Chleny radiokluba (for Vasil'yev, Reshetnik).

(Radio clubs)

L 2099-66 EWT(l)

ACC NR: AP6025078 SOURCE CODE: UR/0115/66/000/006/0066/0068

AUTHOR: Vukolov, V. I.; Yerdakov, V. B.; Parfenov, N. A.; Shtemberg, S. V.

53
52
B

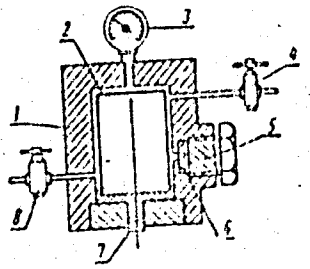
ORG: none

TITLE: Ionization chamber used for measuring high gas pressure

SOURCE: Izmeritel'naya tekhnika, no. 6, 1966, 66-68

TOPIC TAGS: ionization chamber, high pressure, high pressure research, pressure measurement, GAS PRESSURE

ABSTRACT: The I-V characteristic of a plane-parallel ionization chamber (ICh) is described by a well-known J. Boag et al. formula (Brit. J. Appl. Phys., 1952, 3, 222). According to that formula, with pressures over 10^6 n/m^2 and neglecting the effects of columnar recombination, for current undersaturation conditions ($f < 0.05$, $\eta > 50$), this relation is approximately true: $f \approx 1/\eta \approx 1/p$; $i = i_0 f = \text{const}$. If the columnar recombination is taken into account, then: $\eta = \sqrt{p}$, $f \approx 1/\eta$, $i = p^{-\frac{1}{2}}$. An experimental device (see figure) consisted of a steel body 1 that housed cylindrical ICh 2 having a volume of 6.2 cm^3. The ICh two brass electrodes were separated by teflon insulator 7.



UDC: 621.387.422:531.787

Card 1/2

L 41099-66

ACC NR: AP6025078

Valves 4 and 8 served for building up and reducing pressure of tritium-labeled commercial hydrogen in the ICh. The experimental results show that: (1) The current undersaturation conditions in an ICh can be used for measuring high pressures; (2) Both radioactive-isotope gases and labeled stable gases can be measured; (3) Conventional radioactive ionization manometers operated in the undersaturation range can be used for measuring high pressures of nonradioactive gases; (4) Some gases (very pure Ar or He) cannot be measured by this method. Orig. art. has: 3 figures and 6 formulas.

[03]

SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 008 / OTH REF: 005/ ATD PRESS: 5057

Card 2/2 hs

ITSKOVICH, G.M.; PANICH, B.B.; YERDAKOV, V.I.; CHERNAVSKIY, S.A., red.; ANOSHINA, K.I., red. izd-va; PAVLOVA, V.A., tekhn. red.

[Engineering mechanics: a program, tasks for control operations, and brief instructions for fulfilling them for instruction engineering students in correspondence schools of technology and their branches] Tekhnicheskaia mekhanika; programma, zadaniia dlia kontrol'nykh rabot i kratkie ukazaniia k ikh vypolneniiu dlia uchashchikhsia stroitel'nykh spetsial'nostei zaochnykh tekhnikumov i otdelenii. Moskva, Gos. izd-vo "Sovetskaia nauka," 1957. 106 p. (MIRA 14:6)

(Building--Study and teaching)

YERDAKOV, Vadim Ivanovich, inzh.; MININ, Leonid Sergeyevich, inzh.; TIKHOMIROV, Ye.N., prof., retsenzent; DARKOV, A.V., doktor tekhn. nauk, retsenzent; SAPOZHKOV, N.M., inzh., nauchnyy red.; KOPTEVSKIY, D.Ya., red. izd-va; YEZHOVA, L.L., tekhn. red.

[Laboratory practical work on the strength of materials] Laboratornyi praktikum po sopротivleniiu materialov dlia studentov zaochnykh vtuzov. Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 188 p. (MIRA 15:4)
(Strength of materials--Testing) (Testing machines)

YEHDAN, Yu. [Yordan, J.]

Junction of the hyoid bone with the cranium and [illegible] and its variants from the standpoint of comparative anatomic studies in primates. Arkh. anat., gist. i embr. 46 no.6:10-18 Je '64. (MIRA 18:3)

1. Kafedra normal'noy anatomii cheloveka (zav. - prof. M.Reykher i prof. V.Iasin'ski [Jasiński, W.]) Meditsinskoy akademii v Gdanske, Pol'sha.

YERDEG, S.

ЕРДЕГ

YERDEG, Sil'vester. Cand Agr Sci -- (diss) "The growth and development of multiparous cows the Kholmogory bred of young cows which have never calved, and the milk productivity of ~~cows which have calved once,~~ primiparous cows of the Kholmogory breed were raised on various levels of feeding during the post-lactation period." Mos, 1958. 18 pp (Mos Order of Lenin Agr Acad im K. A. Timiryazev), 110 copies (KL, 13-58, 99)

KHADNAD', Ch.; KHORVAT, Ye.; SENTKIRALI, I.; IMRE, B.; YERDELI, A.; GANTS, A.

Treatment of acetonemic vomiting in children with vitamin B_{12}. Pediatriia no.10:21-22 '61. (MIRA 14:9)

1. Iz II kliniki vnutrennikh bolezney i kliniki detskikh bolezney Tyrgu-Mureshskogo mediko-farmatsevticheskogo instita, Rumyniya.
(ACETONEMIA) (VOMITING) (CYANOCOBALAMINE)

y ERDELSKY, K.;HERICH, R.

ERDELSKY, K.; HERICH, R. Contribution to the biochemic differentiation of sex in hemp (Cannabis sativa L.). II. A preliminary report. p.111.

Vol. 11, no. 2, 1956, BIOLOGIA, BRATISLAVA, CZECHOSLOVAKIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10, Oct. 1956.

YERDENBAYEVA, U. I.

Chemical Abstracts
May 25, 1954
General and Physical
Chemistry

(2)

Reaction of aluminum hydroxide and silica with solutions of sodium sulfide at high temperature. V. D. Ponomarev and M. I. Erdenbayeva. *Izvest. Akad. Nauk Kazakh. S.S.R., Ser. Khim.* No. 7, 79-85(1953).—Reaction of $Al(OH)_3$ with Na_2S soln. at 15 atm. at about 200° and a similar reaction of SiO_2 were studied. The process of soln. of $Al(OH)_3$ in Na_2S solns. is not affected by the presence of considerable amts. of S. The change of compn. of Na_2S soln. during the soln. is slight and consists of oxidation of the SH ion. The change of compn. of the Na_2S soln. in the presence of SiO_2 is negligible. The amt. of SiO_2 in the Na_2S soln. is 0.45 to 0.5 times that in NaOH of the same concn. The presence of S^{--} and SH^- ions reduces the transition of SiO_2 into soln. and reduces the stability of silicic acid sol.

G. M. Kosolapoff

YERDENBAYEVA, M.I.; DRAGAVTSEVA, N.A.

Separation of selenium from sulfur. Izv. AN Kazakh. SSR.Ser. khim. no.1:59-62 '60. (MIRA 13:11)
(Selenium) (Sulfur)

YERDENBAYEVA, M.I.

Iodometric determination of elemental selenium and sulfur when both are present in cyanide solutions. Izv. AN Kazakh. SSR.Ser. khim. no.1:63-68 '60. (MIRA 13:11)
(Selenium--Analysis) (Sulfur--Analysis)

PONOMAREV, V.D.; YERDENBAYEVA, M.I.

Interaction between iron hydroxide and sodium sulfide solutions under pressures of 12-15 at. Trudy Inst. met. i obogashch. AN Kazakh. SSR 2:20-23 '60. (MIRA 13:10)

(Chemistry, Metallurgic) (Iron oxides)

PONOMAREV, V.D.; YERDENBAYEVA, M.I.

Thickening and washing of black and red muds obtained after leaching alumina of diaspore-boehmite bauxites under pressure of 15 at. Trudy Inst. met. i obogashch. AN Kazakh. SSR 2:24-31 '60. (MIRA 13:10)

(Bauxite) (Ore dressing)

DRAGAVTSEVA, N.A.; USENOVA, Z.M.; YERDENBAYEVA, M.I.; KOZLOVSKIY, M.T.

Interaction of elementary selenium, selenides, and selenites of certain metals with sodium amalgam. Zhur.anal.khim. 18 no.6:773-776 Je '63. (MIRA 16:9)

1. Institute of Chemical Sciences, Academy of Sciences, Kazakh S.S.R., Alma-Ata.
(Selenium compounds) (Amalgams)

ACCESSION NR: AP4041576 S/0078/64/009/007/1547/1551

AUTHOR: Usenova, Z. M.; Mamonova, G. F.; Yerdenbayeva, M. I.

TITLE: Selenium, tellurium and sulfur separation in sublimation

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 7, 1964, 1547-1551

TOPIC TAGS: selenium separation, tellurium separation, sulfur separation sublimation, vacuum sublimation

ABSTRACT: During vacuum sublimation of anodic sludge of copper smelters for Se and Te extraction, sublimates also contain sulfur. In addition, copper, silver and lead selenides, tellurides and sulfides are mechanically entrained. The subsequent difficulties of separation prompted this study. Sodium amalgam is proposed for separation. It was found that tellurium readily goes over into the solution as sodium telluride, while the respective metals form an amalgam. It has been found that the interaction of a mixture containing elementary Se, Te and S, as well as copper, lead and silver selenides, tellurides and sulfides, Se, Te and partially S go into the solution as Na_2Se, Na_2Te and Na_2S. They can be separated due to their different rate of oxidation in the air. The radius of S, Se and Te

Card 1/2

ACCESSION NR: AP4041576

ions are S^{2+} = 1.74; Se^{2+} = 1.91; Te^{2+} = 2.11 Å. therefore sulfides are the slowest and tellurides the fastest to oxidize. Orig. art. has: no figures, 4 formulas, 4 tables.

ASSOCIATION: Institut khimicheskikh nauk AN KazSSR (Institute of Chemical Sciences, AN KazSSR)

SUBMITTED: 19Oct63 ENCL: 00

SUB CODE: IC, GC NO REF SOV: 011 OTHER: 000

Card 2/2

YERDENBAYEVA, M.I.; MAMONOVA, G.F.

Solubility of selenites in some organic acids and their salts.
Izv. AN Kazakh. SSR. Ser. khim. nauk 14 no.1:41-45 Ja-Mr '64.
(MIRA 18:3)

YERDENBAYEVA, M.I.; USENOVA, Z.M.

Phase analysis of selenium compounds in anodic sludge. Izv. AN Kazakh. SSR. Ser. khim. nauk 14 no.1:46-51 Ja-Mr '64. (MIRA 18:3)

L 14523-65 EWT(m)/EWP(t)/EWP(b) IJP(c)/ESD(gs) RDW/JD

ACCESSION NR: AP5001428 S/0075/64/019/008/0985/0988

AUTHOR: Yerdenbayeva, M. I.; Usenova, Z. M.

TITLE: Interaction of elementary tellurium and copper, lead, and silver tellurides with various solvents

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 8, 1964, 985-988

TOPIC TAGS: solvent, solvent extraction, tellurium, copper, lead, silver, telluride, anodic sediment, sediment analysis

Abstract: The choice of selective solvents for elementary tellurium and copper, lead, and silver tellurides is important for the analysis of the anodic sediments of electrolytic copper production. The following procedure was developed for the selective extraction of various components of a mixture of elementary tellurium, copper, lead and silver tellurides. 1) treatment with 3 8% sodium sulfide to bring elementray tellurium into solution, [illegible] for the selective solution of copper telluride in the presence of the tellurides of lead and [illegible]

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L 14523-65
ACCESSION NR: AP5001428

3) treatment with hydrochloric acid solution of hydrogen peroxide to dissolve lead telluride; 4) treatment with a dilute (1:1) solution of nitric acid to dissolve silver telluride. Orig. art. has 3 tables.

ASSOCIATION: Institut khimicheskikh nauk AN KazSSR, Alma-Ata (Institute of Chemical Sciences, AN KazSSR)

SUBMITTED: 24Dec63 ENCL: 00 SUB CODE: GC, IC

NO REF SOV: 013 OTHER: 001 JPRS

Card 2/2

USENOVA, Z.M.; MAMONOVA, G.F.; YERDENBAYEVA, M.I.

Separate determination of the selenates of lead, zinc, cadmium and mercury by means of sodium amalgam. Zhur.anal.khim. 19 no.9:1168-1170 '64. (MIRA 17:10)

1. Institute of Chemical Sciences, Academy of Sciences Kazakh S.S.R., Alma-Ata.

ACC NR: AP6033385 SOURCE CODE: UR/0075/66/021/008/0980/0984

AUTHOR: Grushina, N. V.; Tsevun, V. I.; Khrapchenkova, G. V.; Yerdenbayeva, M. I.; Kozin, L. F.

ORG: Institute of Chemical Sciences, AN KazSSR, Alma-Ata (Institut khimicheskikh nauk AN KazSSR)

TITLE: Determination of impurities in high-purity cadmium

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 8, 1966, 980-984

TOPIC TAGS: cadmium, cadmium metal, impurity determination, high purity cadmium, cadmium nitrate

ABSTRACT: A method has been developed for the spectrochemical determination of 10^{-4}—10^{-6}% impurities in cadmium after their concentration by coprecipitation with cadmium diethyldithiocarbamate. The method was applied to the analysis of high-purity cadmium metal and cadmium nitrate. The relative experimental error is ±25%. Orig. art. has: 2 figures and 3 tables. [Authors' abstract]

SUB CODE: 07/ SUBM DATE: 23Nov64/ ORIG REF: 007/ OTH REF: 001/

Card 1/1 vmb

YERDENBAYEVA, M.I.; USENOVA, Z.M.

Phase analysis of selenium compounds in sulfuric acid sludge.
Zav. lab. 30 no.10:1190-1192 '64. (MIRA 18:4)

1. Institut khimicheskikh nauk AN KazSSR.

L 21199-65 EWT(m)/EWP(t)/ETP(b) IJP(c)

ACCESSION NR: AT5001025 S/2850/64/012/000/0172/0182

AUTHOR: Usenova, Z.M., Yerdenbayeva, M.I

TITLE: The use of sodium amalgam for extracting selenium from

SOURCE: AN KazSSR Institut

TOPIC TAGS: sodium amalgam, selenium recovery, sludge sublimate, sludge, sodium selenide, sodium

ABSTRACT: The usefulness of sodium amalgam with which

shown to react, in the recovery of selenium was tested on experimental

substantial difficulties in adding

sublimates obtained upon vaporizing the sludges in a vacuum were also tested. Upon testing for interference, it was found that sulfides and sulfates of the metals present in these

Card 1/2

L 21199-65
ACCESSION NR: AT5001025

products did not interfere with the passage of selenium into the solution and that sodium amalgam could solate 98.74-99.65% of the selenium present. The [illegible] compatible with sodium amalgam was not inhibited by the presence of Zn and P. Selenium in sublimates appeared mainly as mercury selenides and [illegible]

[illegible] Fe, Bi and S. Field, were close to quantitative. This method is thus applicable to the isolation of these elements in sublimates. Orig. art. has: 11 tables and 4 chemical equations

ASSOCIATION: [illegible]

SUBMITTED: [illegible] OTHER: 002

L 23079-65 EPA(s)-2/EWT(m)/EWP(t)/EWP(b) Pt-10 IJP(c) RDW/JD/JT

ACCESSION NR: AP4049825 S/0360/64/000/003/0046/0048

AUTHOR: Yerdenbayeva, M.I.; Usenova, Z.M.

TITLE: Separation of selenium from mercury in sublimates

SOURCE: AN KazSSR. Izvestiya. Seriya khimicheskikh nauk, no. 3, 1964, 46-48

TOPIC TAGS: selenium sublimate, selenium separation, mercury selenide, sodium amalgam

ABSTRACT: Selenium-containing slurries resulting from the purification of roasting gases [illegible] depending on the origin [illegible]

[illegible] mercury selenide goes over into the solution [illegible] 10 ml amalgam + 25 ml water quantitatively as sodium selenide while the mercury ions are reduced and incorporated into the amalgam. [illegible]

from the solution by acidifying it with hydrochloric acid. Laboratory tests were repeated using actual plant sublimates with the following yields (in %) compared to the analytical Se

Card 1/2

L 23079-65

ACCESSION NR: AP4049825

content in the sublimate: 27.91/27.80; 21.50/20.30; 61.95/62.15. Orig. art. has: 3 tables.

ASSOCIATION: None

SUBMITTED: 20Feb64 ENCL: 00 SUB CODE: IC, GC

NO REF SOV: 002 OTHER: 001

Card 2/2

USENOVA, Z.M.; MAMONOVA, G.F.; YERDENBAYEVA, M.I.

Separation of selenium, tellurium, and sulfur in sublimates. Zhur. neorg. khim. 9 no.7:1547-1551 Jl '64.

1. Institut khimicheskikh nauk AN Kazakhskoy SSR.

L 23596-65 EWT(m)/EPF(c)/T Pr-4 WE
ACCESSION NR: AP4049879 S/0360/64/000/001/0075/0079

AUTHOR: Bayarstanova, Zh. Zh.; Gutsalyuk, V.G.; Yerdenova, Sh. Ye.; D'yachkov, G.A.

TITLE: Composition of the hydrocarbon components of thermocracking residues

SOURCE: AN KazSSR. Izvestiya. Seriya khimicheskikh nauk, no. 1, 1964, 75-79

TOPIC TAGS: thermocracking residue, hydrocarbon thermocracking residue, Emba petroleum, petroleum refining, column chromatography

ABSTRACT: Considering that more than 30% of the crude oil subjected to thermal cracking forms a resin-rich residue, it was important to know the composition of this residue for its eventual utilization. Taking the cracking residues of the [illegible]

and 900 mm long). The separation gave the following results: paraffin-naphthenes [illegible]% medium aromatics 17.9%, heavy aromatics 17.9% resins 21%. The molecules of [illegible] carbon consist of one aromatic and one naphthene ring with aliphatic

Card 1/2

L 23596-65
ACCESSION NR: AP4049879

side chains. The oxygen, sulfur and nitrogen content increases from the paraffino-naphthenes to the resins, while the H:C ratio decreases from 1.9 to 0.9 [illegible] figure and 2 [illegible]

ASSOCIATION None

SUBMITTED: 00 ENCL: 00 SUB CODE: FP, GC

NO REF SOV: 011 OTHER: 001

Card 2/2

K

Country : YUGOSLAVIA
Category: Forestry. Dendrology.

Abs Jour: RZhBiol., No 11, 1958, No 48720

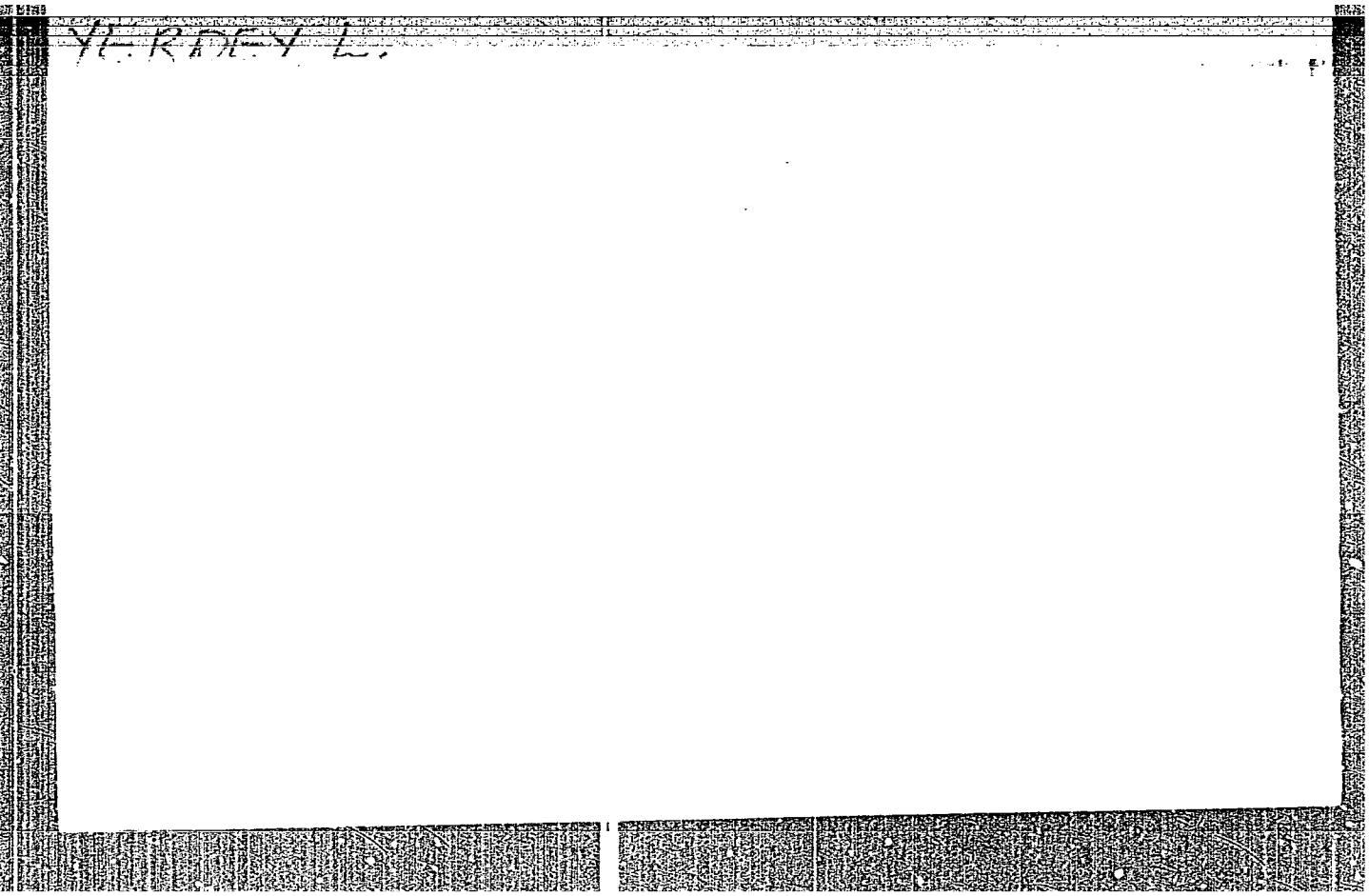
Author : Yerdeshi, Josip
Inst : -
Title : Curly Grain in Ash.

Orig Pub: Shumarstvo, 1957, 10, No 5-6, 345-350

Abstract: No abstract.

Card : 1/1

K-12



YERDZHANOV, K.N.; SAGUNOV, P.G., red.

[Granite intrusions and pegmatites in the Tarbagatay Range] Granitnye intruzii i pegmatity Tarbagataia. Alma-Ata, Kazakh. nauchn.-issl. in-t mineral'nogo syr'ia MG i ON Kazakh. SSR, 1963. 278 p. (MIRA 17:9)

YESENOV, Shakhmardin Yesenovich; KUZIN, Mikhail Fedorovich; YERDZHANOV, Kariboz Nagayevich; IVKIN, N.M., otv. red.; SAGUNOV, P.G., red.izd-va

[Prospecting for pegmatite deposits, piezooptic and ceramic mineral resources in Kazakhstan] Poiski i razvedka pegmatitovykh mestorozhdenii p'ezoopticheskogo i keramicheskogo mineral'nogo syr'ia na territorii Kazakhstana. Alma-Ata, Kazakhskii nauchno-issl. in-t mineral'nogo syr'ia MG i ON KazSSR, 1963. 109 p. (MIRA 17:1)

AID P - 5257

Subject : USSR/Engineering

Card 1/2 Pub. 11 - 8/15

Authors : Yeregin, L. P. and A. A. Pilipenko (Novo-Kramotorsk Machine-Building Plant im. Stalin)

Title : Resistance slag welding of water-wheel shafts

Periodical : Avtom. svar., 4, 88-95, Ap 1956

Abstract : The welding procedure in making three turbine shafts (each of 45 tons) for the Varvarinskaya Hydroelectric Power Plant (in Georgia) and the equipment used are concisely described. This work was done by the Electro-welding Institute im. Paton jointly with the Novo-Kramotorsk Heavy Machine-Building Plant im. Stalin. The same method was used in 1954-55 for welding shafts for the Kuybyshev and Stalingrad Hydroelectric Power Plants, utilizing the resistance slag welding instead of conventional casting and forging, which requires more than double the metal and time. Five drawings, 1 photo and 1 table.

AID P - 5257

Avtom. svar., 4, 88-95, Ap 1956

Card 2/2 Pub. 11 - 8/15

Institutions: As above

Submitted : No date

AID P - 5259

Subject : USSR/Engineering

Card 1/1 Pub. 11 - 10/15

Authors : Yeregin, L. P., G. G. Meyramov, and A. A. Pilipenko (Novo-Kramatorskiy Machine Building Plant).

Title : Resistance slag welding of slider for a 6,300-ton forging and stamping power press.

Periodical : Avtom. svar., 4, 104-107, Ap 1956

Abstract : The welding procedure in making a heavy slider out of two pieces (7.5 and 30 ton) for a large power press is briefly described. Three tables, 2 drawings and 1 graph.

Institution : As above

Submitted : No date

25(5) SOV/125-59-3-1/13

AUTHOR: Voloshkevich, G.Z., Dudko, D.A., Chernykh, W.W., and Yeregin, L.P.

TITLE: New Method for Electro-Welding with Covered Electrode by Melting Work Pieces (Novyy sposob elektroshlakovoy svarki plavyashchimsya mundshtukom)

PERIODICAL: Avtomaticheskaya svarka, 1959, Vol 12, Nr 3, pp 3-7 (USSR)

ABSTRACT: By this new method it is possible to weld intricate profiles of practically any thickness. It is characterized by thin pieces of tubing (Fig. 1a), conducting the leads for the supply of electricity, which are welded to melting work pieces (Fig. 1a) of steel Ms-1. Insulation between the two pieces to be welded is provided by glass in prismatic shape. (Fig. 1 and 4). When the welding process is in progress, this gives rise to a pool of slag and a pool of metal (Fig. 1,5 and 6). Fig. 2,3 and 5 give instances of parts of a water turbine to be welded. Fig. 4 shows the welding of a difficult defect. The manufacture of a large ram (Fig. 6 and 7) by this

Card 1/2

New Method for Electro-Welding with Covered Electrode by Melting Work Pieces

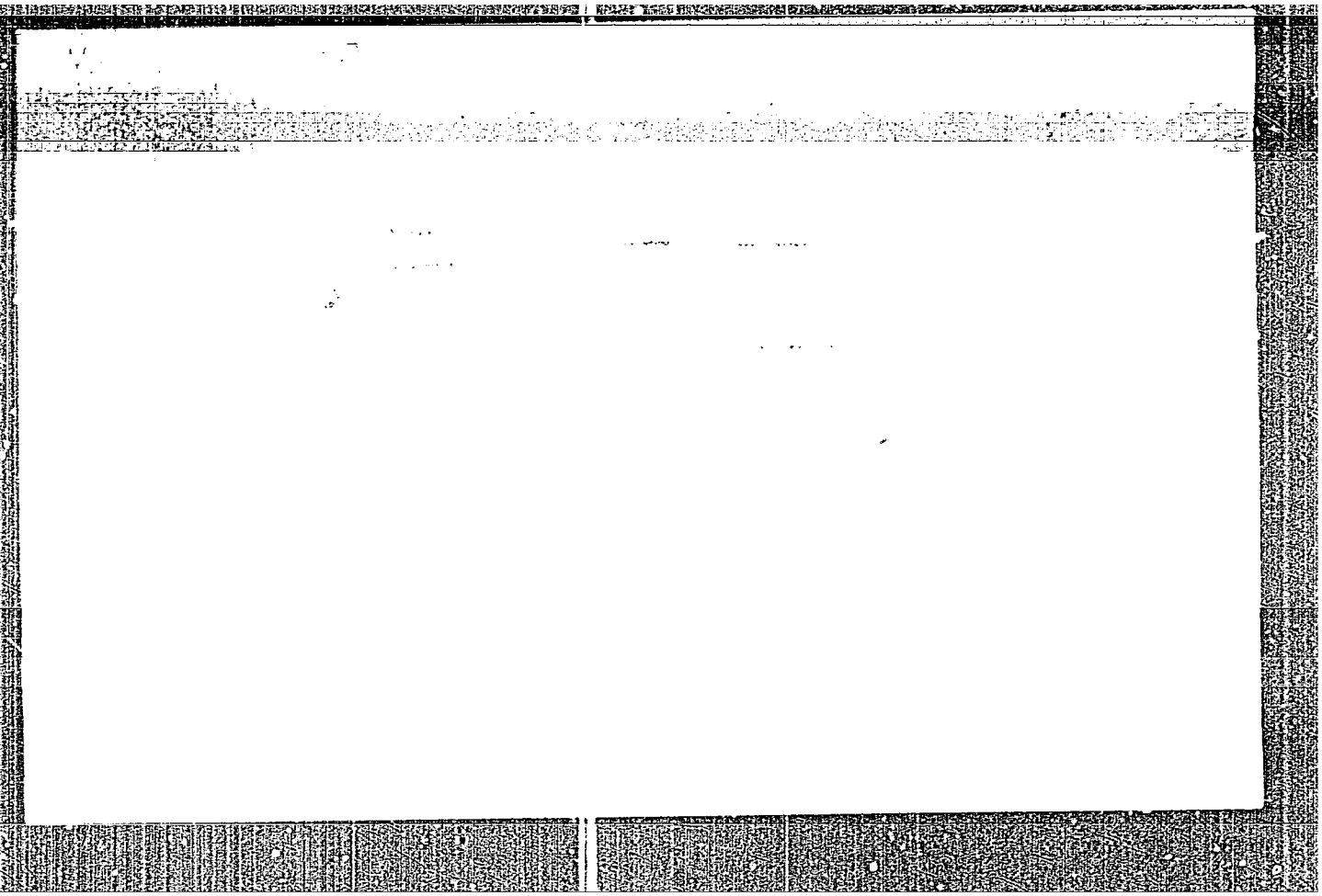
welding process is mentioned as a particular feat. With a dimension of 3120 x 2020 mm of the surfaces to be joined by welding, the process was finished within 14 hours by using 12 melted work pieces. There are 5 diagrams and 2 photographs.

ASSOCIATION: Ordena trudovogo krasnogo znameni institut elektrosvarki im. Ye. O. Patona AN USSR (Order of the Red Banner of Labor Institute for Electro-Welding imeni Ye. O. Paton, AS UkrSSR) Novo-kramatorskiy mashinostroitel'nyy zavod (Novo-Kramatorskiy Factory for Machine Construction)

SUBMITTED: January 17, 1959

YEREISTOV, N.K., inzh.; SIDOROV-BERYUKOV, D.F., inzh.

Electric battery locomotive for operational needs of subways. Gor.khoz.Mosk. 36 no.2:42 F '62. (MIRA 16:2)
(Electric locomotives)



YEREKHTIN, Ya.D.

A new method of winning resins from tree stumps. Gidroliz. i lesokhim prom. 8 no.2:24-25 '55. (MLRA 8:10)

1. Glavnyy inzhener tresta "Khimleszag"
(Gums and resins)

RABINOVICH, Z.L. [Rabinovych, Z.L.]; YEREMA-YEREMENKO, A.A. [IErema-IEremenko, A.A.]

Calculating the sensitivity of a trigger with automatic bias. Dop. AN URSR no.8:1009-1014 '63. (MIRA 16:10)

1. Institut kibernetiki AN UkrSSR. Predstavleno akademikom AN UkrSSR V.M.Glushkovym [Hlushkov, V.M.].
(Electric computers)

YELISEYEV, A.A.; YEREMBASH, Ye.I.; VIGILEVA, Ye.S.; ANTONOVA, L.I.; ZACHATSKAYA, A.V.

Polymorphism of lanthanum. Zhur. neorg. khim. 9 no.5: 1032-1037 My '64. (MIRA 17:9)

1. Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova AN SSSR.

YERMENKO, V.I.; VINOGRADOVA, Ye.S.; YELISEYEV, A.A.

Synthesis of lanthanum tellurides. Izv. AN SSSR. Neorg. mat. 1 no.2:167-170 F '65. (MIRA 18:7)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN SSSR.

PATRIN, A.A.; YEREMCHENKO, M.I.; RYZHAKOV, P.V.; BAKHIR, Ya.V.; DEKAPOLITOV, I.P.

Concerning the article "Mounting of wire broadcasting networks and electric power transmission lines on common poles." Prom. energ. 17 no.8:32-34 Ag '62. (MIRA 16:4)

1. Belomorskaya elektroset' Karel'skoy ASSR (for Patrin). 2. Gossel'-elektronadzor, g. Groznyy (for Yeremchenko). 3. Glavnoye upravleniye elektrifikatsii sel'skogo khozyaystva, g. Groznyy (for Ryzhakov). 4. Tuymazaneft' (for Bakhir). 5. Darnitskiy setevoy rayon Yugo-Zapadnoy zheleznoy dorogi (for Dekapolitov).
(Electric lines—Overhead) (Electric lines—Poles and towers)

ANDREYEV, V.; YEREMCHENKO, N.

Photographer corps of the "Pionerskaia Pravda". Sov.foto 22 no.5:17 My '62. (MIRA 15:5)

1. Zaveduyushchiy otdelom illyustratsii "Pionerskoy pravdy" (for Andreyev). 2. Zamestitel' otvetstvennogo sekretarya "Pionerskoy pravdy" (for Yeremchenko).
(College and school journalism)

YEREMEISHVILI, I.P., Cand Tech Sci—(diss) "Study of the kinetics and dynamics of the tea leaf wilting process." Tbilisi, 1958. 25 pp with graphs (Min of Agr USSR. Georgian Order of Labor Red Banner Agr Inst), 100 copies (KL,26-58,109)

ACCESSION NR: AP4009356 S/0078/64/009/001/0220/0221

AUTHOR: Lukashenko, G. M.; Yeremenk, V. N.; Sidorko, V. P.

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 1, 1964, 220-221

TOPIC TAGS: silver antimony system, silver antimony thermodynamic property, entropy, enthalpy, entropy, heat capacity

ABSTRACT: The thermodynamic properties of the Ag-Sb solid state system were studied by measuring the e.m.f. and the temperature coefficients of the e. m. f. of the concentrated circuit Ag_{solid} | AgI | (Ag-Sb)$_{solid}$. Results are summarized in the [illegible] for the phase of [illegible] composition Ag_2Sb: ΔZ^0 = -960 cal./gm. atom, ΔS [illegible] a.u. gm. atom. degree, [illegible] atom. The e. m. f.--temperature function is expressed by the equation: $E = 0.0491 - 0.745 \times 10^{-4}(t-350)v$. Change of the composition of the epsilon' phase

Card 1/4

L 27180-65

ACCESSION NR: AP4009356

(based on Ag_3Sb) in the area of homogeneity does not significantly affect thermodynamic properties of this phase. Orig. art. has: 2 figures and 4 equations.

ASSOCIATION: None

SUBMITTED: 04May63 ENCL: 02 SUB CODE: IC, TD

NO REF SOV: 004 OTHER: 001

Card 2/4

L 27180-65

ACCESSION NR: AP4000356

ENCLOSURE: 01

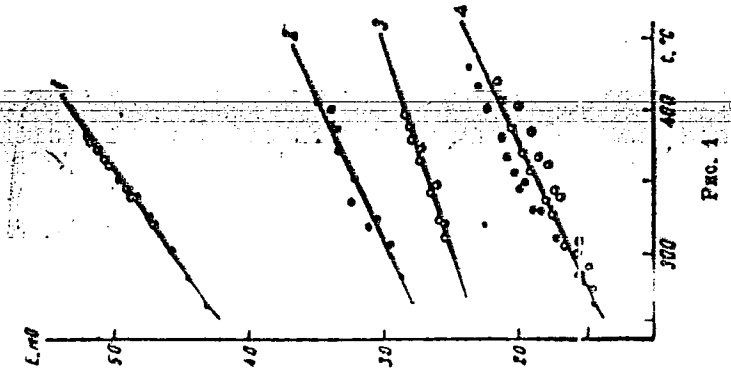


Fig. 1. E.m.f.--temperature relationship of concentrated circuits.

Ag_{solid} AgI $Ag\text{-}Sb_{solid}$

1. for alloys with 63 and 43 at.% Ag
2. for alloys with 74.5 at.% Ag (E=-5.9 + 0.016T, mv)
3. for alloys with 76.5 at.%Ag (E=6.0 - 0.033T, mv)
4. for alloys with 80 and 82.5 at. %Ag (E=-12.6 - 0.05T, mv)

Card 3/4

L 27180-65

ACCESSION NR: AP4000356

6

ENCLOSURE: 02

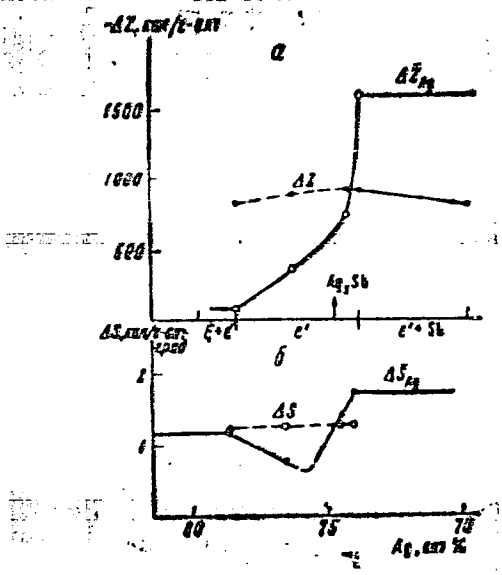


Рис. 2

Fig. 2. (a) relationship between integral and partial value of the isobaric-isothermal potential at 713°K and composition.
(b) relationship between integral and partial entropy and composition

Card 4/4

YEREMENKO, A., marshal Sovetskogo Soyuza

In the battles for the Soviet Baltic. Komm. Vooruzh. Sil 5 no.20: 47-52 O '64. (MIRA 17:11)

YEREMENKO, A.

Automobile milage is the basic index. Sots. trud no.10:88-91 O '56.
(MLRA 9:11)

1. Inzhener-normirovshchik transportnogo tsekha Sorskogo kombinata, Krasnoyarskiy kray.
(Automobiles--Repairing) (Wages)

YEREMENKO, A.

Experience in scheduling wages for repair and service workers in motor transport enterprises. Avt.transp.34 no.11:10-11 N '56.
(Automobiles--Repairing) (Wages)

YEREMENKO, A.

A cause for the entire collective. Sov.profsoiuzy 6 no.13:58. O '58. (MIRA 11:11)

1. Predsedatel' komiteta profsoyuza transportnogo tsekha Sorskogo gorno-obogatitel'nogo kombinata (poselok Dzerzhinskiy, Krasnoyarskogo kraya).
(Dzerzhinskiy (Krasnoyarsk Territory)--Mineral industries)

YEREMENKO, Antonina

Record achieved by Antonina Eremenko. Nauka i pered op. v sel'khoz. Nauka i pered. op. v sel'khoz. 8 no.1:10-12 Ja '57. (MIRA 11:2)

1.Zven'yevaya kolkhoza imeni Karla Marksa, Skalatskogo rayona, Ternopol'skoy oblasti.

(Corn (Maize))

YEREMENKO, Andrey Ivanovich, marshal Sovetskogo Soyuza, deputat Verkhovnogo Soveta Soyuza SSR; AFANAS'YEV, A.G., red.; SOLOMONIK, R.L., tekhn.red.

[Stalingrad; notes of the commanding general of the front] Stalingrad; zapiski komanduiushchego frontom. Moskva, Voen.izd-vo M-va obor.SSSR, 1961. 502 p. [Album of charts] Al'bom skhem. 22 p. (MIRA 14:4)

(Stalingrad, Battle of, 1942-1943)

D

YEREMENKO, A.I., marshal Sovetskogo Soyuza, Geroy Sovetskogo Soyuza

Great achievement of the army and the people. Voen.znan. 38 no.5:3-4 My '62. (MIRA 15:5)
(World War, 1939-1945) (Russia—Armed forces)

MAKOGON, N.S., referent; YEREMENKO, A.K.

New apparatus for cleaning coal and ores (from "Mines," no.5. 1958).
Koks i khim. no.1:60-61 '60. (MIRA 13:6)
(Grenoble, France--Coal preparation--Equipment and supplies)

CHERNYY, G.I., gornyy inzh.; YEREMENKO, A.K., inzh.

Mechanical movable longwall supports in British mines. Ugol' Ukr. no.6:42 Je '60. (MIRA 13:7)
(Great Britain—Mine timbering)

MAKOGON, N.S.; YEREMENKO, A.K.

Use of petroleum bitumen for briquetting coal fines in the United States (from "Revue de l'Industrie Minerale," no.1, 1960). Ugol' Ukr. 5 no.2:40 F '61. (MIRA 14:3)
(United States—Briquets(Fuel))

MAKOGON, N.S.; YEREMENKO, A.K.

Coal preparation in India. Ugol' Ukr. no.6:44 Je '61.
(India--Coal preparation)

MAKOGON, N.S.; YEREMENKO, A.K.

Coal drying by means of vibration (from "Colliery Guardian," May, 1961; "Annales des Mines, "March, 1962). Ugol' Ukr. 6 no.8:45 Ag '62. (MIRA 15:11)
(Coal drying) (Vibrators)

YEREMENKO, A.L.

Behavior characteristics of certain potato species in Novosibirsk. Biul.Glav.bot.sada no.23:82-89 '55. (MLRA 9:7)

1.Botanicheskiy sad Zapadno-Sibirskogo filiala Akademii nauk SSSR. (Novosibirsk--Potatoes)

YEREMENKO, A.O. [IEremenko, A.O.], assistent

Some mistakes in the diagnosis of parenteral dyspepsias. Ped., akush. i gin. 23 no.3:9-11 '61. (MIRA 15:4)

1. Kafedra fakul'tetskoy pediatrii (zav. - prof. V.G.Balaban [Balaban, V.H.]) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. akademika Bogomol'tsa (direktor - dotsent V.D.Bratus').
(DYSEPSIA) (INFANTS—DISEASES)

YEREMENKO, A.P.

A region of great riches. Nauka i zhyttia 10 no.2:18-21 F '60. (MIRA 13:6)

1. Predsedatel' Stanislavskogo sovnarkhoza.
(Stanislav economic region—Industries)

YEREMENKO, A.P.

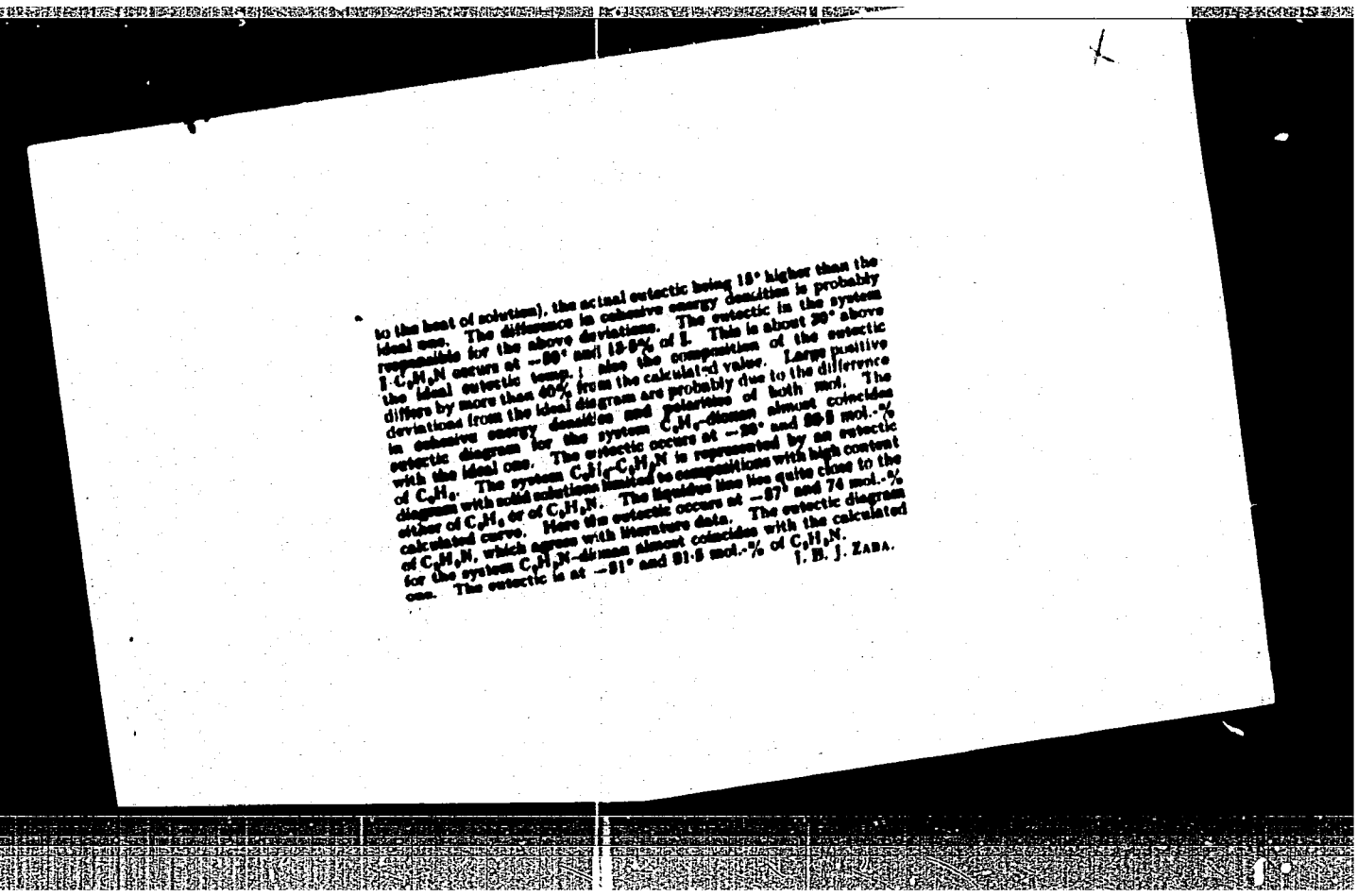
Ukrainian S.S.R. Prom.koop. no.1:3-5 Ja '57. (MLRA 10:4)

1. Predsedatel' Pravleniya Ukrpromsoveta.
(Ukraine--Cooperative societies)

BA YEREMENKO, A.P. AT

Binary systems of six-membered cyclic molecules. V. M. Kravchenko and A. P. Eremenko (J. appl. Chem., USSR, 1950, 23, 613—619).—A continuation of previous work (cf. A., 1951, I, 179). In the system dioxan–cyclohexane (I) a continuous series of mixed crystals has its min. at −12° and 78·1 mol.-% of I. Structural similarity of both components explains the formation of solid solutions. The measurements made for this system on the liquidus line agree well with Kennard and McCusker's data (cf. A., 1949, I, 110). The system I-C_6H_6 gives a eutectic at −40·5° and 39·6% of C_6H_6. The actual diagram shows appreciable positive deviations from the ideal (calculated from m.p. and heat of fusion assumed to be equal

over



to the heat of solution), the actual eutectic being 18° higher than the ideal one. The difference in cohesive energy densities is probably responsible for the above deviations. The eutectic in the system I-C_5H_5N occurs at −80° and 18·9% of I. This is about 20° above the ideal eutectic temp.; also the composition of the eutectic differs by more than 40% from the calculated value. Large positive deviations from the ideal diagram are probably due to the difference in cohesive energy densities and polarities of both mol. The eutectic diagram for the system C_5H_5N–dioxan almost coincides with the ideal one. The eutectic occurs at −39° and 59·5 mol.-% of C_5H_5N. The system C_6H_5I–C_5H_5N is represented by an eutectic diagram with solid solutions limited to compositions with high content either of C_6H_5I or of C_5H_5N. The liquidus line lies quite close to the calculated curve. Here the eutectic occurs at −87° and 74 mol.-% of C_5H_5N, which agrees with literature data. The eutectic diagram for the system C_5H_5N–dioxan almost coincides with the calculated one. The eutectic is at −81° and 81·5 mol.-% of C_5H_5N.

I. B. J. ZABA.

CA YEREMENKO, A. P.

Binary systems of six-membered cyclic molecules. V. M. Kravchenko and A. P. Eremenko. *J. Applied Chem. U.S.S.R.* 23, 617 (Engl. translation); cf. C.A. 45, 9015e.—The phase equilibria existing between the liquid and cryst. phases were investigated by thermal analysis for 6 related binary systems made up of 4 components. Cyclohexane-dioxane gives a solid soln. diagram with min. point at −12.0° and 21.0 mol. % dioxane. Steric similarity of the mols. explains the extensive solid soln. The remaining systems give eutectic phase diagrams with the following eutectic points: cyclohexane-benzene −42.5°, 26.5 mol. % benzene; cyclohexane-pyridine −50.0°, 13.5 mol. % cyclohexane; benzene-dioxane −20.0°, 13.5 mol. % dioxane, benzene-pyridine −57.0°, 25.5 mol. % benzene; pyridine-dioxane −51.0°, 18.5 % dioxane. Deviations from the ideal diagrams are explained as due to polarity differences, internal pressures, and steric factors of the constituent mols.

Leroy Alexander

KRAVCHENKO, V.M.; YEREMENKO, A.P.

Two-component solid solutions among the trinucleate molecules fluorene, phenanthrene, anthracene, and carbazole. J.appl.Chem, USSR '52, 25, 662-668. (MLRA 5:7)
(BA-AI Je '53:513)
(CA 47 no.19:9742 '53)

YEREMENKO, A. P.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

Two-component solid solutions of three-ring molecules of fluorene, phenanthrene, anthracene, and carbazole. V. M. Kravchenko and A. P. Eremenko. *J. Appl. Chem. U.S.S.R.* 25, 737-42(1952)(Engl. translation).—See *C.A.* 47, 9742d. H. L. H.

KISELEV, I.I. (Al'met'yevsk, Tatarskaya ASSR); VALIYEV, M.G., inzh.; MICHKOV, N.; YEREMENKO, A.S.; SEMENOV, V.I., inzh.

Readers' letters. Bezop.truda v prom. 6 no.11:35 N '62. (MIRA 16:2)

1. Tuganskoye rudoupravleniye, BASSR (for Valiyev).2. Starshiy inzh. otdela tekhniki bezopasnosti Izhevskogo mashinostroitel'nogo zavoda (for Michkov). 3. Shakhta No. 16 im. "Izvestiy", Luganskaya oblast' (for Yeremenko).

(Industrial safety)

YEREMENKO, A.S., kand.tekhn.nauk; KUTSIN, E.A., kand.tekhn.nauk

Using the optical method of bands for studying flow around turbine sections. Trudy Inst.tepl.AN URSR no.7:3-7 '52.
(MIRA 13:5)

(Turbines--Fluid dynamics)

SHVETSOV, P.D., prof.; YEREMENKO, A.S., kand.tekhn.nauk; KUTSIN, E.A., kand.tekhn.nauk

Problem of raising the resistance of turbine blades to erosion blades. Trudy Inst.tepl.AN URSR no.7:21-25 '52. (MIRA 13:5)
(Cavitation) (Turbines--Blades)

YEREMENKO, A.S., kandidat tekhnicheskikh nauk; SAYKOVSKIY, M.I., kandidat tekhnicheskikh nauk; VEL'S, S.V., inzhener

Aerodynamic study of the exhaust pipe of a steam turbine. Trudy Inst. tepl. AN URSR no.8:78-100 '52. (MLRA 8:7)
(Steam turbines)

YEREMENKO, A.S., kandidat tekhnicheskikh nauk; PECHUK, V.I., kandidat tekhnicheskikh nauk; FEDOSENKO, A.P., inzhener.

Measurement of parameters in a stream of steam. Trudy Inst.tepl.URSR no.12: 54-58 '55. (MLRA 9:7)
(Steam turbines) (Pressure (Physics)--Measurement)

YEREMENKO, A.S.

124-1957-2-1745

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 43 (USSR)

AUTHORS: Yeremenko, A.S., Saykovskiy, M.I.

TITLE: Model Tests of the Aerodynamics of the Inlet Duct of a Compressor (Modelirovaniye aerodinamiki vsasyvayushchego patrubka kompressora)

PERIODICAL: Sb. tr. In-ta teploenerg. AN UkSSR, 1955, Nr 12, pp 140-149

ABSTRACT: The results of experiments are shown, investigating the effect on the structure of a flow of an extension installed at the entry and of a blade cascade placed at the exit of an inlet duct.

I.S.Simonov

1. Compressors--Aerodynamic characteristics

Card 1/1

YEREMENKO, O.S.

YEREMENKO, O.S.; DIBAN, Ye.P.

Increasing the efficiency and economy of steam and gas turbines.
Visnyk AN URSR 26 no.8:51-54 Ag'55. (MLRA 8:11)
(Turbines)

YEREMENKO, A.S.; PECHUK, V.I.

Experimental investigation of steam flow in turbines with staged speeds. Prykl. mekh. 2 no.1:80-91 '56. (MLRA 10:2)

1. Institut teploenergetiki Akademii nauk URSR.
(Steam turbines)

YEREMENKO, A.S.; SAYKOVSKIY, M.I.

Aerodynamic investigation of a turbine diffusor nozzle allowing for blade cascade resistance at the entry and outlet. Trudy Inst. tepl.AN URSR no.13:41-52 '56. (MLRA 10:5)
(Turbines)

SOV/124-57-7-7754

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 7, p 40 (USSR)

AUTHORS: Yeremenko, A. S., Pechuk, V. I.

TITLE: Flow Investigation of Turbines With a Partial Steam Flow (Issledovaniye techeniya v turbinakh s partsial'nym podvodom para)

PERIODICAL: Sb. tr. In-ta teploenerg. AN UkrSSR, 1956, Nr 13, pp 60-73

ABSTRACT: Results are given of an experimental investigation made of a partial-steam-flow steam turbine having three velocity stages. Though the turbine tested was of impulse-type design, supersonic flow velocities caused compression shocks in the axial gaps of the stages, which resulted in a corresponding increase in the degree of reactivity. This latter, in the case of a partial-steam-flow turbine, leads to increased escape of steam through the radial and axial gaps of the stages. Hence, to increase the efficiency of a turbine having velocity stages, some degree of reactivity, and a partial steam flow, the authors recommend that these gaps be packed.

V. Kh. Abiants

Card 1/1