"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, P.V.; KOCHEGINA, V.V.

Study on the nutritional value of certain products from wheat flour [with summary in English]. Vop.pit. 18 no.1:23-26 Ja-F '59. (MIRA 12:2)

1. Iz laboratorii fiziologii pitaniya rastushchego organizma (zav. P.V. Simakov) Instituta pitaniya AMN SSSR, Moskva.
(FLOUR,
nutritional value of wheat flour in animals (Rus))

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SIMAKOV, P.V.

Quantitative determination of nucleic acids in human and animal blood. Vop. pit. 19 no. 6:69-71 N-D '60. (MIRA 13:12)

1. Iz laboratorii fiziologii pitaniya rastushchego organizma (zav. - P.V. Simakov) otdela detskogo pitaniya Instituta pitaniya AMN SSSR, Moskva.
(NUCLEIC ACIDS) (BLOOD)

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SIMAKOV, P.V.

Effect of certain amino acid foods on the excretion of uroamylase. Ukr.biokhim.zhur. 32 no.2:225-232 '60. (MIRA 13:11)

1. Laboratory of Nutritional Physiology of the Growing Organism of the Child Nutrition Division of the Institute of Nutrition of the Academy of Medical Sciences of the U.S.S.R. Moscow.
(AMINO ACIDS)
(ANYLASE)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, P.V.

Excretion of allantoin with the urine in people of various ages. Ukr. biokhim. zhur. 33 no.3:385-391 '61. (MIRA 14:6)

1. Institut pitaniya Akademii meditsinskikh nauk SSSR, Moskva.
(ALLANTOIN) (URINE—ANALYSIS AND PATHOLOGY)
(AGE)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

[illegible] V

Amino acid [illegible] content in the blood. Ukr. biokhim. zhur. [illegible] '62. (MIRA 18:5)

1. Biokhimicheskaya laboratoriya otdela detskogo pitaniya instituta pitaniya [illegible] R, Moskva.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, P.V.

Changes in the content of nucleic acids in the blood of children of various ages with varying nutrition. Vop.pit 21 no.4:10-14 Jl-Ag '62. (MIRA 15:12)

1. Iz biokhimicheskoy laboratorii (zav. P.V.Simakov) otdela detskogo pitaniya AMN SSSR, Moskva.
(NUCLEIC ACIDS) (CHILDREN—NUTRITION)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

[illegible]

[illegible] of different amounts of sunflower oil on the excretion of vitamin B_2 and [illegible] in children. Vop. pit. 21 no.2:29-32 Mar-Apr 1962. (MIRA 18:8)

1. Chair [illegible] Institute pitaniya AMN SSSR.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

1. STMAKOV, S.

2. USSR (600)

4. Cummunity Centers

7. Why is the club empty? Klub, no. 11, 1952.

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

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, S., shofer.

Some operational requirements in designing the ZIS-155 motor bus.
Avt.transp.33 no.1:32 Ja'55. (MLRA 8:3)

1. Nezhinskaya avtotransportnaya kontora.
(Motor buses)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

LEBEDEV, N.N., inzhener, redaktor; VINOGRADOV, K.V., inzhener, redaktor; LEVI, S.S. inzhener, redaktor; ROZANOV, M.S., inzhener, redaktor; ~~SIMAKOV, S.N.~~, inzhener, redaktor; SOKOLOV, D.V., inzhener, redaktor; NIKOLAYEV, L.A., redaktor; DAKHNOV, V.S., tekhnicheskiy redaktor.

[Power engineering handbook for construction work] Spravochnik energetika na stroitel'stve. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 915 p. (MLRA 7:12)
(Power engineering)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BOLUNGEN, I.N., inzh.; VINOGRADOV, K.V., inzh.; VELLERSHTEYN, A.L., inzh.; GOL'DGOF, B.G., inzh.; KUZ'MIN, V.S., inzh.; KULIKOV, P.S., inzh.; LEBEDEV, N.N., inzh.; LEVI, S.S., kand.tekhn.nauk; ROZANOV, M.S., inzh.; SIDOROV, V.N., inzh.; SOKOLOV, D.V., inzh.; SLONIM, N.M., inzh., laureat Stalinskoy premii; EPSHTEYN, A.L., inzh.; ANTRUSHIN, B.D., inzh., nauchnyy red.; SIMAKOV, S.N., inzh., nauchnyy red.; TRUBIN, V.A., glavnyy red.; SOSHIN, A.V., zam.glavnogo red.; GRINEVICH, G.P., red.; YEPIFANOV, S.P., red.; ONUFRIYEV, I.A., red.; ZIMIN, P.A., red.; VDOVENKO, Z.I., red.izd-va; SHIROKOVA, G.M., red.izd-va; EL'KINA, E.M., tekhn.red.

[Power engineering handbook for construction work] Spravochnik energetika na stroitel'stve. Izd.2., perer. i dop. Pod red. N.N. Lebedeva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960. 736 p. (MIRA 13:11)

(Power engineering)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

VECHTOMOV, M.I., inzh.; KUDRYAVTSEV, V.A., inzh.; MALKES, D.A., inzh.; OSTROVSKIY, G.I.; POVERENNYY, L.D.; SUSHKOV, P.M., inzh.; TYULENEV, N.Z., inzh. Prinimali uchastiye: GALYAMOVA, N.S., inzh.; PUTEYEVA, N.P.; IZRAYLOVICH, Ye.A., inzh.; MARCHENKO, G.A., inzh.; MALYGINA, Z.S.; SOKOLOVA, Ye.A.; SOKOV, V.N., inzh.; TARASOVA, S.N.; TASHAYEV, A.L., inzh.; FILIMONOV, S.V.; DRALICH, K.F., inzh., nauch. red.; NOVITCHENKO, K.M., inzh., nauchnyy red.; SIMAKOV, S.N., inzh., nauchnyy red.; FAKTOROVICH, Yu.A., kand. tekhn. nauk, nauchnyy red.; STUPIN, Ye.N., otv. red.; LUTOV, N.S., red.; IVANOV, V.S., red.; BAGUZOV, N.P., glav. red.; VOLCHEGORSKIY, M.S., zam. glav. red.; DOBRYNIN, S.N., red.; NAZAROV, I.A., red.; KOLESNIKOV, S.I., red.; MEL'NIKOV, N.P., red.; SUSNIKOV, A.A., red.; STAROVEROV, I.G., red.; LYTKINA, L.S., red. izd-va; GORDEYEV, P.A., red. izd-va; OSENKO, L.M., tekhn. red.

[Handbook for the designer of industrial, residential, and public buildings and structures; organization of construction and execution of building and assembly operations. Industrial construction] Spravochnik proektirovshchika promyshlennykh, zhilykh i obshchestvennykh zdanii i sooruzhenii; organizatsiia stroitel'stva i proizvodstvo stroitel'no-montazhnykh rabot. Promyshlennoe stroitel'stvo. Pod red. P.M. Sushkova. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 372 p. (MIRA 15:2)

(Industrial buildings)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

BC

a-2

Silurian petroleum in Central Asia. S. N. Simakov, N. A. Sovupomenov, and O. S. Vialov (Compt. rend. Acad. Sci. U.R.S.S., 1955, 2, 567—

[illegible]).—Petroleum-bearing shales at the mouth of the Kashtut (112 km. east of Samarkand) are described, with evidence that they belong to the Silurian period.

R. S. B.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMONOV, S. N.

Geology, Stratigraphic -Tertiary Tajikistan, Ferghana

Stratigraphy of Palaeogene deposits of the Ferghana Valley and of the Tajik Depression., Dokl. AN sssr, 82, no. 1, 1952.

Vsesoyuznyy Neftyanoy Nauchno-Issledovatel'skiy Geologo-Razvedochnyy Institut

rec'd 17 Feb. 1951

SO: Monthly List of Russian Accessions, Library of Congress, May 1952 ~~1953~~ Uncl.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SHMIDT, O.I.; SIMAKOV, S.N.

Upper Cretaceous echinoidea of southeastern Central Asia. Trudy VNIGRI no.66:5-92 '53. (MLRA 6:5)
(Asia, Central--Sea urchins, Fossil)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, S.N.

Problems of the stratigraphy of the Paleocene period of Fergana and the Tajik Depression. Trudy VNIGRI no.66:201-218 '53. (MLRA 6:5)
(Fergana--Geology, Stratigraphic) (Geology, Stratigraphic--Fergana)
(Tajik Depression--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BYKOVA, N.K.; SIMAKOV, S.N.

Paleogene of Zevar. Trudy VNIGRI no.95:129-135 '56. (MLRA 9:12)

(Gissar Range--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, S.N.

New data on the stratigraphy of the lower Paleogene of the Tajik Depression. Trudy VNIGRI no.95:136-142 '56. (MLRA 9:12)

(Tajik Depression--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, S N

Geologicheskoye stroyeniye i neftenosnost' Ferrany (Geological formation and oil-bearing strata of the Ferrana valley by) S. N. Simakov (1 Dr.) Leningrad, Gostoptekhizdat, 1957.

609 p. Illus., Diagrs., Graphs, Tables. (Leningrad. Vsesoyuznyy Neftyanoy Nauchno-issledovatel'skiy Geologorzvedochnyy Institut. Trudy, vyp. 110)

"Literatura": p. 593-601.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, S.N.; KLEYNBERG, V.G.; VOROB'YEV, A.A.; ZAPRUDSKAYA, M.A.; NARIZHNAYA, V.Ye.; POYARKOVA, Z.N.; KHUTOROV, A.M.; VASILENKO, V.K., red.; DAYEV, G.A., vedushchiy red.; GENNAD'YEVA, I.M., tekhn. red.

[Geological structure and oil potential of Fergana] Geologicheskoe stroenie i neftenosnost' Fergany. Leningrad. Gos. nauchn. tekhn. izd-vo neft. i gorno-tiplivnoi lit-ry, 1957. 605 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologo-razvedochnyi institut. Trudy, no.110). (MIRA 11:6)

(Fergana--Petroleum geology)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, S.N.

Prospects for exploring for oil and gas pools in the Tajik Depression. Sov.geol. 2 no.1:26-40 Ja '59. (MIRA 12:4)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut.
(Tajik Depression--Petroleum geology)
(Tajik Depression--Gas, Natural--Geology)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, S. N., Doc Geol-Min Sci -- "Chalk deposits of Fergana, their oil-bearing and gas-bearing capacities." Len, State Fuel-Tech Pub House, 1961. (Min of Geol and Mineral Conservation ~~Protection of the Min Reserves of~~ USSR. All-Union Sci-Res Geol Inst "VSEGEI") (KL, 8-61, 232

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BUYALOV, N.I.; VASIL'YEV, V.G.; KALININ, N.A.; SIMAKOV, S.N.

Classification of predicted oil and gas reserves and method of rating them. Geol. nefti i gaza 5 no.11:17-23 N '61. (MIRA 14:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut; Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnykh gazov; Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut.
(Petroleum geology) (Gas, Natural--Geology)

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BUYALOV, N.I.; VASIL'YEV, V.G.; YEROFEYEV, N.S.; KALININ, N.A.; KLESHCHEV, A.I.; KUDRYASHOVA, N.M.; L'VOV, M.S.; SIMAKOV, S.N.; YELIN, N.D., nauchnyy red.; CHARYGIN, M.M., nauchnyy red.; TOKAREVA, T.N., ved. red.; MITROFANOVA, G.M., tekhn. red.

[Method for evaluating the prospective oil and gas reserves] Metodika otsenki prognoznykh zapasov nefti i gaza. Leningrad, Gostoptekhizdat, 1962. 81 p. (MIRA 16:3)
(Petroleum geology) (Gas, Natural—Geology)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

AVROV, V.Ya.; KLIMNIKOV, I.A.; BUYALOV, N.I.; VASIL'YEV, V.G.; ZUBOV, I.P.; DIKENSHTEYN, G.Kh.; KALININ, N.A.; MAKSIMOV, S.P.; SIMAKOV, S.N.

Reconnaissance map of oil and gas reserves of the U.S.S.R. Geol. nefti i gaza 7 no.6:1-8 Je '63. (MIRA 16:9)

1. Gosudarstvennyy geologicheskiy komitet SSSR; Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva; Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnykh gazov i Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

AVROV, V.Ya.; BLINNIKOV, I.A.; BROD, I.O.[deceased]; BUYALOV, N.I.; VASIL'YEV, V.G.; DMITRIYEV, Ye.Ya.; YELIN, N.D.; YEROFEYEV, N.S.; ZUBOV, I.F.; KALININ, N.A.; KUDRYASHOVA, N.M.; MAKSIMOV, S.P.; L'VOV, M.S.; MIRCHINK, M.F.; OVCHINNIKOVA, T.G.; SIMAKOV, S.N.; TROFIMUK, A.A.; TKHOSTOV, B.A.; FEDOTOVA, M.I., ved. red.

[Predicting gas potential of the U.S.S.R.] Prognoz gazonosnosti SSSR. Leningrad, Gostoptekhizdat, 1963. 175 p. (MIRA 17:4)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

TROFIMUK, A.A., otv. red.; MAKSIMOV, S.P., zam. otv. red.; GABRILIYAN, A.M., red.; SHAKOV, S.N., red.; CHARYGIN, M.M., red.

[Petroleum geology] Geologiia nefti. Moskva, Nauka, 1964. 309 p. (Its: Doklady sovetskikh geologov. Problema 1) (MIRA 18:2)

1. Natsional'nyy komitet geologov Sovetskogo Soyuza.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

PAKHOLKOV, V.S.; SIMAKOV, S. Ye.

Vanadium sorption from sulfuric acid and hydrofluoric acid solutions with anion exchanging resins AB 17 EDE 10P and AN 2F. Izv. vys. ucheb. zav., tsvet met. 7 no.5:82-88 '64 (MIRA 18:1)

1. Ural'skiy politekhnicheskiy institut.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

PARHOLKOV, V.S.; SIMAKOV, S.Ye.

Separation of vanadium and uranium in H_2SO_4 - HF solutions using AV-17, EDE-10P, and AN-2F anion exchangers. Zhur. prikl. khim. 37 no.12:2565-2569 D '64. (MIRA 18:3)

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L 1847-66 EWT(m)/EPF(c)/EPF(n)-2/EWP(t)/EWP(b) IJP(c) DS/JD/JG/RM

ACCESSION NR: AP5013070 UR/0149/54/000/001/0102/0109

AUTHOR: Pakholkov, V. S.; Simakov, S. Ye.

TITLE: Adsorption of niobium and tantalum from H_2SO_4-HF solutions by AV-17, EDE-10P, and AN-2F anionites

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 1, 1965, 102-109

TOPIC TAGS: niobium, tantalum, AN2F anionite, EDE10P anionite, ion exchange chromatography, ammonium compound

ABSTRACT: Experiments on the adsorption of niobium and tantalum from H_2SO_4-HF solutions were carried out at 18°C under dynamic conditions in organic glass columns with the anionites in the SO_4 form. Quantitative relations were established between the adsorptivity and capacity before breakthrough and the sulfuric and hydrofluoric acid concentration. The elution of niobium and tantalum from the anionites by water and solutions of various chemical composition was investigated, and it was found that niobium, in contrast to tantalum, is eluted very well from all the anionites by 1-4 N solutions of ammonium chloride. The difference in the eluting capacity of unacidified ammonium chloride solutions in relation to adsorbed niobium

Card 1/2

Card 2/2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

NALETOV, N., prof.; BOL'SHAKOV, A., dotsent; SIMAKOV, V.; FOMIN, A.

Histological changes in meat occurring during the various autolysis stages in corning. Mias.ind. SSSR 33 [i.e.34] no.2:19-21 '63. (MIRA 16:4)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

(Meat, Salt--Testing)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, A.

This is the way competitions of rowers are conducted. Voen. znan. 41 no.8:42 Ag '65. (MIRA 18:7)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.; SOLNTSEV, G.

Soviet-Austrian trade in a new up surge. Vnesh. torg. 41 no.1:14-16 '61. (MIRA 14:1)
(Russia—Commerce—Austria) (Austria—Commerce—Russia)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V

Educational models for all-round sea contests. Voen.-
znan. 38 no.2:35 F '62. (MIRA 15:2)
(Ship models)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

AUTHOR: Simakov, V.A., Mining Engineer SOV-127-58-9-18/20

TITLE: V.Ye. Lopushanskiy, A.F. Platonov. Reference Book for Mining Foremen (V.Ye. Lopushanskiy, A.F. Platonov. Spravochnik gornogo mastera) Second edition, Metallurgizdat, 1957, 415 pp., 275 figures. Edition 15,000. Price 9 r. 90 kop. (Izdaniye vtoroye. Metallurgizdat, 1957, 415 str., 257 ris. Tirazh 15,000. Tsena 9 r. 90 k.)

PERIODICAL: Gornyy zhurnal, 1958, Nr 9, pp 76-79 (USSR)

ABSTRACT: This is a review of the abovementioned book.

ASSOCIATION: Institut gornogo dela AN SSSR (The Institute of Mining Industry of AS USSR)

1. Mining industry--USSR 2. Personnel--Study and teaching

Card 1/1

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.A., inzh.

Criteria characterizing impoverishment of ore in mining. Nauch. soob. IGD 11:48-55 '61. (MIRA 16:4)

(Mining engineering) (Ores)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

AGOSHKOV, M.I.; SIMAKOV, V.A., gornyy inzh.; TERPOGOSOV, Z.A., red.; STEPANYUK, A.A., tekhn. red.

[Criteria and direct methods of determining losses and depletions in the mining of ore deposits] Kriterii i priamye metody opredeleniia poter' i razubozhivaniia pri razrabotke rudnykh mestorozhdenii. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1961. 39 p. (MIRA 15:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Agoshkov).
(Mine examination)
(Ores--Sampling and estimation)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

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SIMAKOV, V.A.

Effect of ore loss and the admixture of enclosing rocks during mining on the economic aspects of metal production. Izv. vys. ucheb. zav.; tsvet. met. 5 no.2:141-149 '62. (MIRA 15:3)

1. Institut gornogo dela AN SSSR.
(Mining industry and finance)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.A. (Moskva); KUZ'MIN, V.S. (Moskva)

Experience in the use of electron computers in analyzing methods of mining Krivoy Rog iron ore deposits. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no.2:153-160 Mr-Ap '63. (MIRA 16:10)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

AGOSHKOV, M.I.; CHUBAKOV, V.V., inzh.; PANFILOV, Ye.I., inzh.; SIMAKOV, V.A., inzh.

[Establishing standards for operating expenses depending on the width of the stoping area in mining thin seams; report at the conference on problems of finding efficient methods of mining lode deposits held in Irkutsk, June 4-6, 1963] Normirovanie trudovykh zatrat v zavisimosti ot shiriny ochistnogo prostranstva pri razrabotke tonkikh zhil; doklad na soveshchanii po voprosam izyskaniia effektivnykh sposobov razrabotki zhil'nykh mestorozhdenii v g. Irkutske (4-6 iiunia 1963 g.) Moskva, In-t gornogo dela im. A.A.Skochinskogo, 1963. 15 p. (MIRA 18:5)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SUMAKOV, V.

New boring machine. Sov.shakht. 12 no.12:14 D '63. (MIRA 17:3)

1. Starshiy inzh. normativno-issledovatel'skoy stantsii kombinata Karagandaugol'.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

AGOSHKOV, M.I.; SIMAKOV, V.A., kand. tekhn. nauk; CHUDAKOV, V.V., gornyy inzh.; PANFILOV, Ye.I., gornyy inzh.

Reducing the working thickness is the principle task in improving the mining of lode deposits. Gor. zhur. no.6:3-8 Je '64. (MIRA 17:11)

1. Institut gornogo dela im. A.A. Skochinskogo. 2. Chlen-korrespondent AN SSSR (for Agoshkov).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

MATONIN, P.K.; MONASTYREV, N.S.; SIMAKOV, V.A.

Making 1,803 meters of mining in 31 workdays at the mine No. 122 of the "Karagandaugol'" Combine. Shakht. stroi. 9 no.7:5-9 Jl '65, (MIRA 18:10)

1. Glavnyy inzh. kombinata Karagandaugol' (for Matonin). 2. Nachal'nik Nauchno-issledovatel'skoy stantsii kombinata Karagandaugol' (for Monastyrev). 3. Starshiy inzh. Nauchno-issledovatel'skoy stantsii kombinata Karagandaugol' (for Simakov).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BOCHAROV, V.I., inzh., otv. za vypusk. Prinimali uchastiye: SHESTAKOV, A.N., inzh.; FROLOV, K.I., inzh.; SYSOYENKO, N.A., inzh.; MOISEYEVA, V.G., inzh.; SIMAKOV, V.I., tekhnik; SEROV, V.I., tekhnik; BOBROVA, Ye.N., tekhn.red.

[Album of drawings of electric machinery of the N8 and VL23 electric locomotives] Al'bom chertezhei elektricheskikh mashin elektrovozov N8 i VL23. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniiia, 1960. 325 p. (MIRA 13:10)

1. Novocherkasskiy elektrovozostroitel'nyy zavod.
(Electric locomotives)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BOCHAROV, V.I., inzh., otv. za vypusk; SHESTAKOV, A.N., inzh.; FROLOV, K.I., inzh.; SOTNIKOV, I.A., inzh.; SYSOYENKO, N.A., inzh.; MOISEYEVA, V.G., inzh.; SIMAKOV, V.M., inzh.; FEDKOV, A.G., inzh.; KHITROVA, N.A., tekhn. red.

[Album of drawings of electric machinery and transformer equipment for the VL60 electric locomotive] Al'bom chertezhei elektricheskikh mashin i transformatornogo oborudovaniia elektrovoza VL60. Moskva, Transzheldorizdat, 1963. 353 p. (MIRA 16:12)

1. Novocherkasskiy elektrovozostroitel'nyy zavod.
(Electric locomotives--Design and construction)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

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15

Additional data on the mutual coagulation of colloids in the soil. V. N. Simakov. *Pochvovedenie* 24, No. 1-2, 22-77 (in German 78-123) (1929). S. tested out the crit. concns. of MnO_2 with a const. quantity of $Fe(OH)_3$ at which mutual coagulation would take place. He found that the zone of coagulation is at a point between 0.577 and 1.227 moles of MnO_2 for 1 mole of $Fe(OH)_3$. Mutual coagulation of $Fe(OH)_3$ and SiO_2 takes place within narrow limits: from 2.757 to 3.452 moles of SiO_2 for 1 mole of $Fe(OH)_3$. With an excess of $Fe(OH)_3$ the mixt. becomes pos., whereas with an excess of SiO_2 the mixt. becomes neg. Mutual coagulation of $Fe(OH)_3$- and Na-mtd. soil suspension takes place within a definite zone; for 1 Fe_2O_3 (by weight) it takes 3.753-8.043 unit weights of Na-mtd. soil. Two zones were noted at which a stable mixt. of the 2 colloids persists: either an excess of $Fe(OH)_3$ or of the soil suspension. These mixts. behave differently towards electrolytes; with an excess of the soil suspension the point of coagulation with an electrolyte is equal to that of a pure suspension. With an excess of $Fe(OH)_3$ the mixt. is sensitive to the anions. Mutual coagulation of $Al(OH)_3$ and MnO_2 takes place as follows: It takes 1 mole of Al_2O_3 to 0.085-0.447 of a mole of MnO_2, or for 1 mole of MnO_2 it takes 2.237-11.765 moles of Al_2O_3. A comparison with the Fe_2O_3 sol shows that 1 mole MnO_2 will take 0.813-1.723 moles of Fe_2O_3 against 2.237-11.754 moles of Al_2O_3. Thus, the MnO_2 is 6.8 times as effective for the Al_2O_3 as for the Fe_2O_3. With SiO_2 the relation is 1 SiO_2 to 0.577-1.302 Al_2O_3, whereas with Fe_2O_3 the relation is 1 SiO_2 to 0.290-0.363 Fe_2O_3. With the soil suspension the relation is: 1 unit weight of suspension to 0.238-0.810 unit weights of Al_2O_3. Just as with $Fe(OH)_3$, an excess of $Al(OH)_3$ in the mixts. is sensitive to anions, but the proportions are not the same as for the $Fe(OH)_3$. From the data obtained calcns. were made for the coagulation values of each sol in terms of another or a combination of them. Thus from the $Fe(OH)_3$ data 1 mole of MnO_2 = 2.813 SiO_2, or 1 SiO_2 = 0.355 MnO_2. From the $Al(OH)_3$ data 1 MnO_2 = 3.879 SiO_2 or 1 SiO_2 = 0.258 MnO_2. By combining 2, 3, 4 or more sols of the same charge, the amt. of the sol of the opposite charge can be calcd. by taking the figures for each individual sol. Numerous examples and calcns. are given.

J. S. Joffe

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

PROCESSES AND PROPERTIES INDEX

A laboratory method for the study of the soil processes in relation to the problem of chemisation of soils. S. P. Kravkov and V. N. Simakov. *Pedology* (U. S. S. R.) 27, 587-612(1932).—Expts. are reported on a method whereby the changes in the solid, liquid and gaseous phases of the soil are followed dynamically under artificially created conditions of temp., moisture and aeration. A deep chernozem and a podzol soil were divided into 3 portions: one was treated with toluene, the other untreated. After 30, 60 and 90 days, extns. were made on the resp. soils and the sol. Ca, Mg and Mn detd. It was found that with the progressive increase in nitrification the Ca and Mg increased in both types of soil and some Mn became sol. in the podzol soil. A similar expt. with the addn. of $NaNO_3$, $(NH_4)_2SO_4$ and NH_4NO_3 showed the mobilization of Ca and Mg in chernozem soil and also some Mn in the podzols. A chernozem and a podzol soil were mtd. with Ca and Fe, resp., and after 13, 35, 76, 90 and 230 days the N system in the soil was investigated by extn. with H_2O. The introduction of Fe suppressed the nitrification and increased ammonification and N fixation. This was corroborated by vegetation expts. A chernozem soil was kept at various moisture conditions: 25, 40, 60, 80 and 100% of optimum moisture. Nitrate, nitrite, NH_3 and sol. humus were detd. at intervals of 14, 30, 60 and 90 days. The highest amt. of humus was obtained at 100% moisture after 30 days, the highest amt. of nitrate after 90 days at 80% moisture, of nitrite after 14 days at 100% moisture, and the highest amt. of NH_3 after 14 days at 100%. Expts. on the effect of phosphates with and without $CaCO_3$ show that the phosphate increases the mobility of the org. matter. Drying a soil changes the contents of nitrate and sol. org. matter and these changes are noted in the soil for a long time even after it has been moistened. J. S. Joffe

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

PROCESSES AND PROPERTIES INDEX

15

The influence of saturating the absorbing complex with iron on the biochemical processes in the soil. V. N. Simakov and A. I. Isakova. *Pedology* (U. S. S. R.) 29, 170-84(1933).—Soils satd. with Fe change the N regime: accumulation of nitrate ceases, but that of NH_3 continues; N fixation increases; nitrification is at a standstill. The soils satd. with Fe contain no sol. Ca even after 11 months of incubation.

I. S. Joffe

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N.

Vody Dnepra poidut v stepi. [The waters of Dnieper will flow into the steppes]. (Nauka i zhizn', 1950, no. 11, p. 15-16, map). DLC: Q4.N43

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N.

The absorption of organic compounds in soil. II. V. N. Simakov. *Uchenye Zapiski, Leningrad. Gosudarst. Univ. im. [redacted]nova*, No. 140, *Ser. Biol. Nauk* No. 27, 88–117 (1951).—The absorption of glycine was studied in the following soils: podzol, black soil, and terra rossa. The amt. of glycine absorbed was detd. by extn. of the soil sample and titration for both the COOH and NH_2 groups. Glycine was absorbed more readily by black soil and terra rossa than by podzol. This was shown to be due to varying degrees of granulation of the soil. The absorption was carried out with solns. of varying pH values. The data indicated that absorption took place most readily at a pH of 5.98 at which glycine is at its isoelectric point. The absorption takes place in 2 steps, namely, a neutralization step followed by complex formation with the sesquioxide present in the soil. The absorption of asparagine in the same 3 soils was also studied. Again, black soil and terra rossa showed similar absorption characteristics. The absorption of asparagine follows the same pattern as that of glycine, but takes place with greater speed. The difference of speed of absorption of the various amino acids depends on the speed of dissocn.

Lucy G. Merritt

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N.

Movement of organic matter in soils. Uch.zap.Len.un. no.174:3-38'54. (MIRA 8:4)
(Soils)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N.

J-3

USSR/Soil Science - Mineral Fertilizers.

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5796

Author : Simakov, V.N.

Inst : Leningrad State University

Title : On the Question of Improving the Effectiveness of Liming Podzolic Soils by Applying Gypsum to Them.

Orig Pub : Uch. zap. LGU, 1956, No 221, 111-130

Abstract : On the basis of laboratory work and preliminary field experiments the author indicates the advisability of adding gypsum when liming podzolic soils. It increases the effectiveness of the lime and permits acid soils to become saturated more quickly.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N.

Using phenylanthranilic acid in I.V.Tiurin's method of determining humus. Pochvovedenie no.8:72-73 Ag '57. (MIRA 10:11)

1. Leningradskiy ordena Lenina gosudarstvennyy universitet imeni A.A.Zhdanova, Kafedra pochvovedeniya.
(Humus) (Soils--Analysis) (Anthranilic acid)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N.

The use of phenylanthranilic acid as an indicator in the determination of humus by the Tyurin method. V. N. Simakov. *Vestnik Leningrad. Univ.* 12, No. 3, *Ser. Biol.* No. 1, 147-50(1957).—Digest a 0.1-0.5-g. soil sample according the Tyurin method (cf. *Pochvovedenie* 931, No. 5-6) in a soln. of $K_2Cr_2O_7$ + H_2SO_4. With phenylanthranilic acid as an indicator titrate the Cr_2O_7 remaining with 0.2*N* soln. Mohr's salt to a color change of lilac or violet to green; use an ignited sample of the soil as a blank. The results obtained by the proposed method of titration in a large number of tests were in complete agreement with the parallel results obtained by the usual Tyurin method. B. S. L.

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[illegible], [illegible]; [illegible]; [illegible]; [illegible]; [illegible]; [illegible]

[illegible] Drens-[illegible]: Obituary. Pochvovedenie [illegible]: [illegible]. ([illegible])

(Drens-[illegible], [illegible], 1[illegible]-1958)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N., prof., otv.red.; PETROVICHEVA, O.L., red.; VODOLAGINA, S.D., tekhn.red.

[Soils and their fertility] Pochvy i ikh plodorodie; sbornik statei. Leningrad, Izd-vo Leningr.univ., 1960. 174 p. (MIRA 13:10)

1. Leningrad. Universitet.
(Soil fertility)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

[illegible], V.I.; [illegible], V.I.

[illegible] method [illegible] in soils. Vest. [illegible] 1[illegible] c. [illegible]-53 '[illegible]. ([illegible]) (Soils-- [illegible]) (Humus)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BLAGOVILOV, N.L.; SIMAKOV, V.N.; FONOMAREVA, V.V.; MERCHENKO, A.I.; ALEKSANDROVA, L.N.; SOKOLOV, N.N.; ROZHNOVA, T.A.; TSYGANENKO, A.F.; MIKHAYLOVSKAYA, O.N.; PETROV, A.P.; KHANTULEV, A.A.; SAPOZHNIKOV, N.A.

Zinaida Iul'evna Shokal'skaia obituary. Izv. Vses. geog. ob-va 93 no.4:347-348 Jl - Ag '61. (MIRA 14:7)
(Shokal'skaia, Zinaida Iul'evna, d. 1961)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V. N.; ABDUZHALALOV, A.

Comparative study of the effectiveness of soil claying in the "dry" and "wet" sands of Leningrad Province. Vest. LGU. 16 no.21: 121-130 '61. (MIRA 14:11)
(Leningrad Province—Soil fertility)
(Clay)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N., prof., otv. red.; PETROVICHEVA, O.L., red.; YELIZAROVA, N.A., tekhn. red.

[Natural conditions and agricultural problems in the Northwestern U.S.S.R.]Prirodnye usloviia i voprosy zemledeliia na Severo-Zapade SSSR. Leningrad, 1962. 90 p. (MIRA 16:3)
(Russia, Northwestern--Agriculture)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

TUYEV, N.A.; SIMAKOV, V.N.; LAVROV, B.B.

Study of molybdenum (VI) complex formation with specific humic and some carboxylic acids by the infrared spectroscopy method. Vest. IGU 20 no.3:126-137 '65. (MIRA 18:2)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, V.N., prof., otv. red.; MATVEYEVA, V.V., red.

[Soil and geobotanical research in the Northwest of the U.S.S.R.] Agropochvennye i geobotanicheskie issledovaniia Severo-Zapada SSSR; sbornik statei. Leningrad, 1965. 134 p. (MIRA 18:5)

1. Leningrad. Universitet.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

PELLENK, Marsel' [Pellenc, M.]; BOCHKOVA, V.I. [translator]; SIMAKOV, V.S. [translator]; LYUBIMOVA, V.V., red.; KELAREV, L.V., red.; IOVLEVA, N.A., tekhn.red.

[France with her back to the wall] Frantsiia, prizhataia k stene. Pod red. i s predisl. V.V.Liubimovoi. Moskva, Izd-vo inostr. lit-ry, 1958. 174 p. [Translated from the French] (MIRA 12:5)
(France--Economic conditions)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 30085-66 EWT(1) GW

ACC NR: AP6010068 SOURCE CODE: UR/0387/66/000/003/0091/0096

AUTHOR: Simakov, V. S.; Tarakanov, Yu. A.

ORG: Institute of Physics of the Earth, Academy of Sciences SSSR (Institut fiziki Zemli Akademiya nauk SSSR)

TITLE: The theory of a torsion balance on a moving platform

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 3, 1966, 91-96

TOPIC TAGS: gravimetry, gravity [redacted], torsion [redacted], [redacted] acceleration, [redacted]

ABSTRACT: The authors investigated the behavior of proposed models of a vertical (gravity) gradiometer on a moving platform to determine the nature and magnitude of the errors affecting the sensing system of the instrument. The design investigated is based on the torsion balance principle. It was found that the gradiometer is not sensitive to transferred accelerations if the center of gravity of the balance beam coincides with the pivotal axis and the weights can move only along the walls of the instrument casing. Even an ideal gradiometer system installed on a moving platform is not free of perturbations. When the bob threads deviate from the plumb line under the influence of horizontally transferred accelerations of the platform, the gradiometer becomes highly sensitive to the force of gravity. The measurement of the vertical gradient may be conducted in a coupled system in which the bob threads retain a constant position relative to the instrument casing; in this case, the

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L [illegible]

ACC NR: AP6010068

influence of the force of gravity is excluded completely, and the influence of errors is considerably reduced. However, even in this case, the registration of the vertical gradient of gravity will be perturbed. Therefore, it is necessary to adopt some method of filtration, as in the case of gravity measurements. Orig. art. has: 1 figure and 17 formulas. [08]

SUB CODE: 14 / SUBM DATE: 10Apr65 / ORIG REF: 001 / OTH REF: 001/ ATD PRESS: 5012

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 23908-65 EWT(1)/T/EED(b)-3 Pae-2 IJP(c)

ACCESSION NR: AP5002968 S/0317/64/000/012/0028/0032

AUTHOR: Simakov, Ye. (Engineer, Lieutenant colonel)

TITLE: Reconnaissance observer in the air

SOURCE: Tekhnika i vooruzheniye, no. 12, 1964, 28-32

TOPIC TAGS: aerial photography, automatic camera, camera, aerial camera/ AFA 34 OK aerial camera

ABSTRACT: The development of aerial photoreconnaissance equipment and techniques in the SSSR is reviewed. Modern methods are characterized by the strategy of obtaining transverse overlaps of two bands of aerial photographs taken along the axis of flight. The method is shown schematically in Fig. 1 on the Enclosures. The requirements of the photographic equipment necessary for execution of transverse overlap are also reviewed. Figure 2 on the Enclosures is a diagram of the interaction of the working parts of the aerial camera AFA-34 OK. The author discusses the automatic control of film speed, degree of exposure, and other technological problems, including the occurrence of adverse conditions caused by weather and enemy action. The positioning of reconnaissance equipment within the observer

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 23908-65

ACCESSION NR: AP5002968

aircraft is shown in Fig. 3 on the Enclosures. The use of electronic computers for both in-flight control and photographic processing was mentioned as the topic of current research efforts. Orig. art. has: 5 figures and 1 equation.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 03 SUB CODE: ES

NO REF SOV: 000 OTHER: 000

Card 2/5

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOV, Ye.A., inzh.

Couplings for ventilation pipes. Sudostroenie 24 no.12:21-25 D '58. (MIRA 12:2)

(Marine pipefitting)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 8094-66 EWT(m)/T/EWP(t)/EWP(z)/EWP(b)/EWA(c) IJP(c)

ACC NR: AP5027136 SOURCE CODE: UR/0126/65/020/004/0524/0530

AUTHOR: Simakov, Yu. P.; Gel'd, P. V.; Steynberg, M. M.; Gol'tsov, V. A.

ORG: Ural Polytechnic Institute im. S. M. Kirov (Ural'skiy politekhnicheskiy institut)

TITLE: The effect of ordering on the hydrogen permeability of Ni_3Mn

SOURCE: Fizika metallov i metallovedeniye, v. 20, no. 4, 1965, 524-530

TOPIC TAGS: permeability, hydrogen, nickel alloy, manganese alloy, ordered alloy

ABSTRACT: The alloy was melted in vacuum in an induction furnace from technically pure components and was poured (also in vacuum) into ingots with a cross section 40 x 40 mm. The ingots were annealed for one hour at 1100°C and forged into rods (30 x 30 mm). The alloy contained 24.82% manganese, 0.30% silicon, 0.05% carbon, 0.03% phosphorous, and 0.006% sulfur. The degree of ordering of the samples, subjected to different treatments, was evaluated on the basis of the results of dilatometric and magnetic tests. The hydrogen permeability was studied on film type samples by the steady state flow method. These studies showed that the ordering temperature of the alloy agreed well with

UDC: 519.12+669.788

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 8094-66

ACC NR: AP5027136

literature data near 520°C. The kinetics of the ordering process of the alloy was further studied at various temperatures. Before the experimental tests, the diffusion samples were heated to 1000°, held at this temperature for one hour, quenched in water, and then ordered for 12 (or 100) hours at 460°. The hydrogen permeability was studied during stepwise heating (from 350 to 950°) and cooling. On heating from 350 to 400°, the hydrogen permeability of Ni_3Mn increases noticeably. Above 400°, the temperature coefficient of hydrogen penetration falls substantially, and near 450° returns to zero. Further increase in the temperature leads to a decrease in the hydrogen permeability, which reaches a minimum at 510-520°, that is near T_o. Further heating of the alloy is accompanied by a rapid increase in the hydrogen penetration rate. However, between 820 and 900°, there is observed a marked decrease in the hydrogen permeability, replaced at higher temperatures by an exponential rise of the hydrogen permeability with temperature. The anomalous changes in the hydrogen permeability of Ni_3Mn during heating and cooling are bound up with the destruction and formation of long-range order, and are determined by the kinetic characteristics of these processes. An ordered alloy has a higher hydrogen permeability than an unordered one. Above the temperature of the "order-unorder" transition, the rate of hydrogen penetration depends on the temperature in a complicated fashion and obeys an exponential

Card 2/3

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L 8094-66

ACC NR: AP5027136

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relationship only above 900°. It can by assumed that the anomalous changes in the hydrogen permeability above T_0 are bound up with the nature of the short-range order, and with the degree of the defectiveness of the lattice of the alloy. Orig. art. has: 3 figures.

SUB CODE: MM/ SUBM DATE: 30Nov64/ ORIG REF: 011/ OTH REF: 005

Card 3/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 18744-66 EWT(m)/T/EWP(t) IJP(c) JD/HW

ACC NR: AP6005148 SOURCE CODE: UR/0126/66/021/001/0148/0150

AUTHOR: Gel'd, P. V.; Simakov, Yu. P.; Shteynberg, M. M.; Gol'tsov, V. A.

ORG: Ural Polytechnic Institute im. S. M. Kirov (Ural'skiy politekhnicheskiy institut)

TITLE: Effect of ordering on the hydrogen absorption of the alloys of iron with cobalt

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 1, 1966, 148-150

TOPIC TAGS: ordered alloy, iron alloy, cobalt alloy, second order phase transition, hydrogen, temperature dependence

ABSTRACT: The statistical theory of the diffusion (and absorption) of interstitial atoms in the lattices of the alloys undergoing ordering processes claims that the anomalies of the temperature dependence of the diffusion coefficient D in the neighborhood of the temperature T_0 of the order $\rightleftarrows$ disorder transformation differ depending on whether the phase transformation is of the first or of the second kind. In the former case a sharp change in D and in the activation energy E of the process if to be expected whereas in the latter case only a change in E is to be expected. To verify whether the conclusions of this theory apply to alloys in which ordering occurs as a phase transformation of the second kind, the authors investigated hydrogen absorption in FeCo alloys (FeCo; FeCo + 1.8% V; Fe + 60% Co) by means of techniques

UDC: 548.53

Card 1/3

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 18744-66

ACC NR: AP6005148

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described earlier (Simakov, Yu. P., et al. FMM, 1965. 20, 4, 524; Ryabov, R. A., Gel'd, P. V. FMM, 1957, 4, 289; 1959, 7, 733). Repeated measurements of the rate of penetration of hydrogen into the equiatomic alloy FeCo showed that in the 700-720°C temperature region, which is sufficiently close to T_0, the curve of the temperature dependence of hydrogen absorption undergoes a sharp inflection; at temperatures below T_0 the alloy's ability to absorb hydrogen decreases much more rapidly; thus, there is no discontinuity in the temperature dependence of hydrogen absorption for the FeCo alloy in the neighborhood of T_0 and the inflection of the experimental curve is due to the change in diffusion parameters. Similar results were obtained for the alloys FeCo + 1.8% V and Fe + 60% Co. In all these cases the degree of short-range order was found to increase on cooling of the alloy below T_0. Hence, when discussing the temperature dependence of hydrogen absorption for $T < T_0$, it is pointless to speak of the activation energy of the process as a quantity characterizing a fixed potential barrier. These experimental findings indicate that during the ordering of FeCo alloys the temperature coefficient of hydrogen absorption markedly increases. It is important to note that a reversed pattern was observed for Ni_3Mn (an alloy in which the ordering process takes place as a phase transformation of the first kind): ordering led to an increase in its hydrogen absorption and decrease in its temperature coefficient. Thus, the pattern of variation in the ability to absorb hydrogen in the neighborhood of T_0 essentially depends on whether the ordering process is a phase transformation of the first or second kind. It is worth noting that a distinctive change in the rate of hydrogen absorption was observed between 350 and 500°C during

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L 18744-66

ACC NR: AP6005148

the study of both the equiatomic (Fig. 1) and other FeCo alloys; as is known, it is exactly within this range of temperatures that anomalies in various other physical properties of the alloys have previously been observed. This phenomenon may be associated with the ordering kinetics; at any rate, it deserves further investigation. Orig. art. has: 1 figure and 1 formula.

SUB CODE: 11, 13, 20/ SUBM DATE: 25Mar65/ ORIG REF: 007/ OTH REF: 001

Card 3/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BARAMBOYM, N.K., doktor khimicheskikh nauk, prof.; SIMAKOV, Yu.S., assistent

Mechanical synthesis in the medium of crystallized monomers. Nauch. trudy MTILP no.30:188-191 '64. (MIRA 18:6)

1. Kafedra fizicheskoy i kolloidnoy khimii Moskovs ogo tekhnologicheskogo instituta legkoy promyshlennosti.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 23330-66 EWT(m)/EWP(j)/T WW/RM

ACC NR: AP6006976 (A) SOURCE CODE: UR/0190/66/008/002/0235/0239

AUTHORS: Baramboym, N. K.; Simakov, Yu. S.

ORG: Moscow Technological Institute for Light Industry (Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti)

TITLE: Mechanical synthesis of copolymers in frozen solutions

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 2, 1966, 235-239

TOPIC TAGS: copolymerization, free radical, polyamide/ AK 60/40 polyamide

ABSTRACT: Free radicals formed during the dispersion process of a frozen solution of polymer and monomer have been employed in mechanical synthesis of copolymers. Mixed polyamide AK 60/40 (I) served as polymer-initiator, and acrylic acid (II) served as monomer-solvent. A 25% solution of I in II, prepared at room temperature, was frozen in liquid nitrogen or dry ice and dispersed in a vibrating mill. A solid, colorless product was formed after one minute. Dispersion in water yielded ~ 70% of a gel-like insoluble copolymer which is apparently a mixture of block and graft copolymers. Free radical mechanism of the copolymerization process is supported by inhibition of copolymerization in the presence of quinone, as can be seen in Fig. 1. However, a partial ionic mechanism is not excluded. This mechanism of mechanical copolymerization seems to be general for cross-linked systems.

Card 1/2 UDC: 541.64

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L 23330-66

ACC NR: AP6006976

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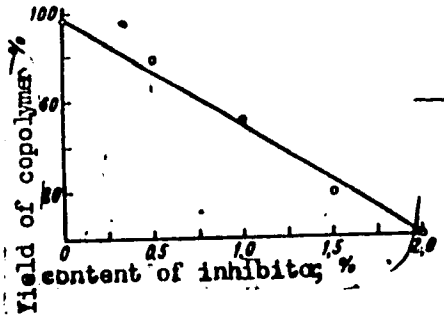

Fig. 1. Yield of mechanical copolymer polyamide-polyacrylic acid as a function of the amount of inhibitor in the initial solution.

Orig. art. has: 5 figures.

SUB CODE: 07/ SUBM DATE: 23Feb65/ ORIG REF: 008/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

KHUDOROZHKOV, I.P., inzh.; SIMAKOV, Yu. V., inzh.; NESTEROV, G.S., inzh.
BAZILEVICH, S.V., kand.tekhn.nauk

Automatic control of the speed of sintering machine operations.
Metallurg 5 no. 12:2-4 D '60. (MIRA 13:11)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Uralmekhanobr.
(Sintering--Equipment and supplies) (Automatic control)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

RYAZANTSEV, A.P., inzh.; SIMAKOV, Yu.V., inzh; BAZILEVICH, S.V., kand.tekhn. nauk

Improving the sintering process. Metallurg 6 no.3:4-5 Mr '61. (MIRA 14:5)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.
(Sintering)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BUSYGIN, V.A.; SIMAKOV, Yu.V.; BAZILEVICH, S.V.; MAYZEL', G.M.

Automatic control of sintering charge moisture. Stal' 22 no.10:880-882 O'62. (MIRA 15:10)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat. (Sintering) (Automatic control)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOVA, A. N.

Interfactory school on the automatization of pulp cooking. Bum. prom. 35 no.9:32 S '60. (MIRA 13:9)

1. Glavnyy spetsialist Gosudarstvennogo nauchno-tekhnicheskogo komiteta Soveta Ministrov RSFSR.
(Woodpulp industry—Study and teaching)
(Automatic control)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOVA, A.N.

Problems arising in the mechanization of operations performed at roadsteads, timber yards, and forest depots are on the agenda. Bum.prom. 35 no.11:27 N '60. (MIRA 13:11)

1. Glvanyy spetsialist grupyy bumazhnoy i derevoobrabatyvayushchey promyshlennosti Gosudarstvennogo nauchno-tekhnicheskogo komiteta Soveta Ministrov RSFSR.
(Wood-using industries—Equipment and supplies)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

NEM. NIKHIN, Vladimir Nikolayevich; KOMAROVSKIY, Lev Yevseyevich; SIMAKOVA, A.N., red.

[Manufacture of thin technical paper] Proizvodstvo tonkikh tekhnicheskikh bumag. Moskva, Lesnaia promyshlennost', 1965. 218 p. (MIRA 18:7)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SOLOMKO, Vasiliy Savvich; VASENKO, A.V., retsenzent; SERDYUKOV, M.P., retsenzent; SIMAKOVA, A.N., red.; KHIVRICH, Ye.D., red. izd-va; SHIBKOVA, N.Ye., tekhn. red.

[Woodpulp and paper industry in Finland]Tsellyulozno-bumazhnaia promyshlennost' Finliandii. Moskva, Goslesbumizdat, 1962. 538 p. (MIRA 15:12)

(Finland--Woodpulp industry) (Finland--Paper industry)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 24437-66 EWT(m)/EWA(w)/T/EWP(t) JD/JH

ACC NR: AT6006481 SOURCE CODE: UR/2680/65/000/024/0172/0176

67

B+1

AUTHORS: Layner, D. I.; Ostrovskaya, L. M.; Simakova, A. S.

ORG: State Scientific Research and Design Institute of Alloys and Nonferrous Metalworking, Moscow (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov)

TITLE: The effect of halide impurities on the electrical properties of Bi_2Te_3-Bi_2Se_3 alloy

18

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy, no. 24, 1965. Metallovedeniye i obrabotka tsvetnykh metallov i splavov (Metal science and the treatment of nonferrous metals and alloys), 172-176

TOPIC TAGS: electric conductivity, thermal emf, ternary alloy, bismuth alloy, halide, electron donor, calcium compound, cadmium compound, lithium compound, manganese compound, thallium compound

ABSTRACT: The effect of chloride salts of calcium, cadmium, magnesium, lithium, and manganese and thallium bromide in concentrations of 0.05—0.8% (by mass) on the properties of a ternary alloy of 80% (mole) Bi_2Te_3 and 20% (mole) Bi_2Se_3 is studied. Melts of 50 g were prepared in sealed quartz ampules at 700C. All of

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the substances exerted a qualitatively similar effect (see Fig. 1);

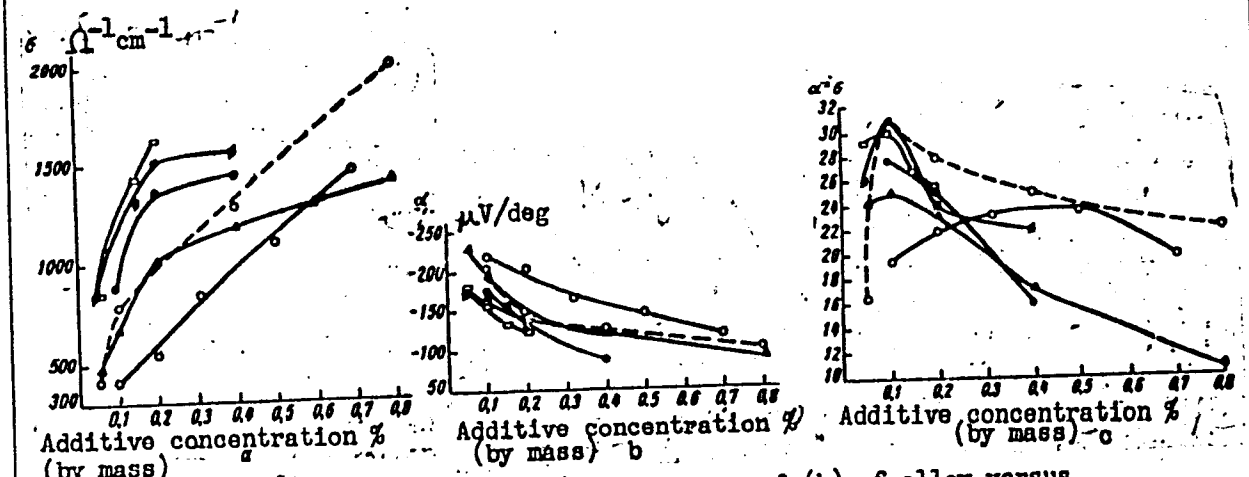

Fig. 1. Electrical conductivity (a) and thermo-emf (b) of alloy versus concentration of additive; $\alpha^2\sigma$ versus concentration of additive (c): o-o-o TlBr; —o—o $CaCl_2$; -▲-▲ $CdCl_2$; -ϕ-ϕ $MnCl_2$; -□-□ $MgCl_2$; -●-● LiCl.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

L 24437-66

ACC NR: AT6006481

they all dissolved in the alloy and formed very effective donor additives. Only the alloys with an addition of $CaCl_2$ were found to be stable; the properties of the others were greatly lowered during the first 20—30 days, regardless of storage conditions. Cadmium chloride is recommended as a protective alloy flux. Orig. art. has: 2 graphs and 1 table.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002

Card 3/3 dda

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

NOVIKOV, I.M.; SAPRONOV, V.A.; ONISHENKO, Z.V.; SIMAKOVA, E.P.; BEL'SKAYA, Yu.R.; BALASHOVA, T.L.; Prinimali uchastiye: KALINICHENKO, V.N.; LITVINENKO, L.A.

Granulation of butadiene-styrene and natural rubber in the Dniepropetrovsk Rubber Tire Plant. Kauch. i rez. 22 no.12: 44-48 D '63. (MIRA 17:9)

1. Dnepropetrovskiy shinnyy zavod (for all except Kalinichenko, Litvinenko). 2. Dnepropetrovskiy filial Nauchno-issledovatel'skogo instituta shinnoy promyshlennosti (for Kalinichenko, Litvinenko).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SHCHICHKO, Z.V. [Shchychko, Z.V.]; SIMAKOVA, E.P. [Symakova, E.P.]; BOGUSLAVSKIY, D.B. [Bohuslavs'kyi, D.B.]; BLOKH, G.A. [Blokh, H.A.], doktor khim. nauk; PIVOVAROVA, Yu.V. [Pyvovarova, IU.V.]; BORCLUSHKINA, Kh.N.

Increasing the strength of the bonds between the elements of automobile tires. Khim. prom. no.4:21-22 O-D '64. (MIRA 18:3)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

BEZOMGER, E.N.; SISAKYAN, N.M.; SIMAKOVA, I.M.

Nitrogenous components of lipoids in plastid lipoproteins. Biokhimiia 24 no.5:876-884 S-O '59. (MIRA 13:2)

1. Institut biokhimii imeni A.N. Bakha Akademii nauk SSSR, Moskva.
(LIPIDS) (PLANTS--METABOLISM)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOVA, I. M., BERINGER, E. N.

"Amino Acids as Nitrogenous Components of the Lipoids of Plants."

report submitted for the First Conference on the problems of Cyto and Histochemistry, Moscow, 19-21 Dec 1960.

Laboratory of Enzymology of the Institute of Biochemistry Imeni A. N. Bakh, Academy of Sciences USSR, Moscow.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOVA, I. M., and BEZINGER, YE. N. (USSR)

"Amino Acids as Nitrogenous Components of Plant Lipids."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SIMAKOVA, I.M.; SISAKYAN, N.M., akademik

Nucleopeptides in plants. Dokl. AN SSSR 161 no.4:971-974 Ap '65. (MIRA 18:5)

1. Institut biokhimii im. A.N.Bakha AN SSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

S/078/61/006/009/010/010
B127/B101

AUTHORS: Tret'yakov Yu. D., Simakova L. K.

TITLE: Solubility isotherms in the system Fe, Mn, $Cu(NH_4)_2||SO_4$ - H_2O at 40°C

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 9, 1961, 2203-2209

TEXT: The authors used Mohr salt and copper, manganese, and ammonium sulfates as starting materials. The method of V. G. Khlopin(Tr. Gos. Radiyevogo in-ta, 4, 34 (1938)) and G. I. Gorshteyn, N. I. Silant'yeva (Zh. obshch. khimii, 24, 29(1954)) was used to establish equilibrium between the liquid and the solid phase. Temperature was regulated by a Vobser thermostat. The Fe^{2+} concentration in the mother liquor was determined by permanganometric titration, and that of Mn^{2+} by the chlorate method. Data on the equilibrium are given in tables. The composition of the systems studied can be expressed by the following equation: $x/a+y/b+z/c=1$, where a,b, and c are the solubility of the pure salts of Fe, Mn, and Cu; x, y, and z are the concentrations of their salts in saturated solution. Finally,

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the following formulas are obtained: $D_{eq(A/B+C)}=0.693-0.1244\ B/(B+C)-1.478\ B/(B+C)^2$ and $D_{eq(C/A+B)}=1.44+0.3047(B/(B+A))+1.945(B/B+A))^2$. (The symbols are explained in the legend). G. I. Gorshteyn and N. I. Silant'yeva(Zh. obshch. khimii, 23, 1290(1953)) are mentioned. There are 7 figures, 3 tables, and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to English-language publication reads as follows: P. W. Beck, K. E. Matteson. U. S. Pat, 2, 818, 387; Dec. 31, 1957.

SUBMITTED: July 27, 1960

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

AFANAS'YEV, V.K.; SIMAKOVA, L.N.

The PK-114-ShG spinning and twisting machine for worsted manufacture. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 18 no.3:38-40 Mr '65.
(MIRA 18:5)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6

SOV/133-58-11-19/25

AUTHORS: Rastorguyev, A.A., Candidate of Technical Sciences, Nefedov, A.A., Borzova, P.I., Belyakov, A.I. and Simakova, M.S., Engineers

TITLE: Low-texture Cold-rolled Electrotechnical Steel (Malotekstur ovannaya kholodnokatanaya elektrotekhnicheskaya stal')

PERIODICAL: Stal', 1958, Nr 11, pp 1023 - 1029 (USSR)

ABSTRACT: According to new standards, anisotropy in respect of magnetic induction along and across sheets of low-alloy steel (E1100, E1200, E1300) should not exceed 1 300 Gauss and for higher alloy steel (E3100 and E3200) - 1 600 Gauss. Anisotropy of various types of cold-rolled transformer steel reached 3 000 - 5 000 Gauss. The problem of the formation of texture in this steel was investigated by TsNIIChM (Refs 1, 2) and the results then obtained were used as a basis of the present investigation of the production of low-texture steel carried out on the Novosibirsk Works. It was found that low-alloy silicon steel (about 1.5% Si) which passed cold rolling by the usual technology (with large reductions) and the highest recrystallisation annealing (at 1 000 °C) is characterised by a predominant orientation of crystallites with the edge

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SOV/133-58-11-19/25

Low-texture Cold-rolled Electrotechnical Steel

of the cube along the direction of rolling. Low-alloy two-phase silicon steel with a comparatively small anisotropy can be obtained: a) by annealing at a comparatively low temperature (850 °C) during which neither a considerable crystal growth nor preferential orientation of crystals takes place; and b) by annealing above the critical temperature which leads to phase recrystallisation with the orientation of grains in various directions; whereupon an increase of the annealing temperature to 1 100 - 1 150 °C promotes an increase in the size of crystals and a decrease in specific losses. The ability of steel to the formation of texture depends on the content of silicon. At a constant degree of reduction in the last cold rolling stage, steel with a higher silicon content has a more sharply pronounced texture of recrystallisation than steel with a lower silicon content. Higher alloyed single-phase steel with a comparatively low anisotropy can be obtained by applying before the final high-temperature

Card2/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620006-6"