"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVICH, Stanislav Vladimirovich, inzhener; VOL'FOVSKAYA, D.N., redaktor; PERESYPKINA, Z.D., tekhnicheskiy redaktor

[Stations for land reclamation machinery] Mashinno-meliorativnaia stantsiia. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 206 p. (Agricultural machinery). (MLRA 10:8)
(Earthwork)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SMOLIN, Aleksandr Petrovich; SHIMANOVICH, S.V., inzh., retsenzent; KRIMEEMAN, M.N., inzh., red.; TIKHANOV, A.Ya., tekhn. red.

[E-505 and E-505A (E-651) power shovels; design, operation, and repair] Ekskavatory E-505 , E-505A (E-651); konstruktsiia, ekspluatatsiia i remont. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 258 p. (MIRA 11:9)
(Shoveling machines)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SITKOVSKIY, P.A.; KOMAROV, G.V.; BRUSHNTSEV, V.F.; KREMENETSKIY, N.N.; MAMAYEV, M.G., kand.tekhn.nauk; SMIRNOV, A.V., kand.tekhn.nauk; AFANAS'YEV, I.V.; VOLOD'KO, I.F., kand.tekhn.nauk; BEGLYAROV, S.A.; KONDRAT'YEV, V.V.; KARLINSKAYA, M.I.; NIKOLAYEV, M.I., kand.tekhn. nauk; DOROKHOV, S.M.; PISHCHUROV, P.V.; KLIMENTOVA, A.V.; ROZENBLAT, Zh.I.; FANDEYEV, V.V., kand.tekhn.nauk; KULIKOV, P.Ye.; SHIMANOVICH, S.Y.; DELITSIN, M.V., retsenzent; BRAUDE, I.D., retsenzent; BARYSHEV, A.M.; retsenzent; GRIGORYANTS, A.S., retsenzent; IGNATYUK, G.L., retsenzent; KALABUGIN, A.Ya., retsenzent; KREMENETSKIY, N.D., retsenzent; POPOV, K.V., retsenzent; OHLOVA, V.P., red.; LETNEV, V.Ya., red.; SOKOLOVA, N.N., tekhn.red.; FEDOTOVA, A.F., tekhn.red.

[Handbook for hydraulic and agricultural engineers] Spravochnik gidrotekhnika melioratora. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 766 p. (MIRA 12:3)
(Hydraulic engineering) (Agricultural engineering)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SOKOLOV, K.M.; YEVSTAFEYEV, S.V.; ROSTOTSKIY, V.K.; GRECHIN, N.K.; STANKOVSKIY, A.P.; BAUMAN, V.A.; BERKMAN, I.L.; BORODACHEV, I.P.; BOYKO, A.G.; VALUTSKIY, I.I.; VATSSLAVSKAYA, L.Ya.; VOL'FSON, A.V.; DOMBROVSKIY, N.G.; YEGNUS, M.Ya.; YEFREMENKO, V.P.; ZIMIN, P.A.; IVANOV, V.A.; KOZLOVSKIY, A.A.; KOSTIN, M.I.; KRIMERMAN, M.N.; LINEVA, M.S.; MERENKOV, A.S.; MIROPOL'SKAYA, N.K.; PETROV, G.D.; REBROV, A.S.; ROGOVSKIY, L.V.; SMIRNOV, G.Ya.; SHAFRANSKIY, V.N.; SHIMANOVICH, S.V.; SHNEYDER, V.A.

Evgenii Richardovich Peters; obituary; Mekh. stroi. 15 no.1:3 of cover Ja '58. (MIRA 11:1)

(Peters, Evgenii Richardovich, 1892-1957)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

VASIL'YEV, A.A., inzh.; MANUYLOV, Yu.G., inzh.; PRUSSAK, B.N., inzh.; SHIMANOVICH, S.V., inzh.; NECHETOV, G.P., inzh., retsenzent; KRIMERMAN, M.N., inzh., red.; UVAROVA, A.F., tekhn.red.

[Construction and road machinery in agriculture] Stroitel'nye i dorozhnye mashiny v sel'skom khoziaistve. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 390 p. (MIRA 12:8)

(Agricultural machinery) (Building machinery)
(Road machinery)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVICH, S.V

14(2) PHASE I BOOK EXPLOITATION SOV/2862

Kostin, Mikhail Ivanovich, and Stanislav Vladimirovich Shimanovich

Ekskavatory; spravochnik (Excavators; Manual) 2nd ed., rev. and enl. Moscow, Mashgiz, 1959. 523 p. 16,000 copies printed.

Reviewer: A.M. Verzhitskiy, Engineer; Ed.: R.M. Korableva, Engineer; Tech. Ed.: A.F. Uvarova; Managing Ed. for Literature on General Technical and Transport Machinery Construction: V.I. Kubarev, Engineer.

PURPOSE: This manual is intended for construction workers, workers in repair and maintenance shops, tractor mechanics, and excavating-machinery operators. It may also be useful to students of courses and schools which train construction workers and machine operators.

COVERAGE: The book contains a brief description of the mechanical characteristics of Soviet excavating machinery. Types of wheeled and crawler-tread tractors and self-propelled machinery are listed. The equipment is listed according to bucket capacity. Excavating machines are divided into the following categories: machinery, trench-digging and land-improvement machinery, and

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transverse-action and walking-type excavators. Performance data and cost estimates are presented. No personalities are mentioned. There are no references.

Introduction 3

Single-bucket Construction Excavators
Excavator, E-153, for MTZ-2 "Byelarus'" wheel tractor. Bucket capacity, 0.15 cubic meters 9
Excavators, E-252 and E-351, on crawler tracks. Bucket capacities, 0.25 and 0.35 cubic meters 14
Excavators, E-257 and E-352, on crawler tracks. Bucket capacity, 0.25 cubic meters. Excavator, E-301(E-258), on wheels. Bucket capacity, 0.25 cubic meters 34
Excavator, E-353 (E-255), on wheels. Bucket capacity, 0.35 cubic meters 68
Excavators, universal E-302, E-303, and E-304. Bucket capacity, 0.3 cubic meters 85
Excavators, E-504, E-505, and E-505A. Bucket capacity, 0.5 cubic meters.
Excavators, E-651 and E-652. Bucket capacity, 0.65 cubic meters 101

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVICH, S.V., inzh.

For over-all mechanization of operations in building; irrigation and drainage structures in agriculture. Mekh.stroi. 16 no.11: 4-7 N '59. (MIRA 13:5)
(Earthmoving machinery) (Irrigation canals and flumes)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

KOSTIN, M.I. and SHIMANOVICH, S.V.

Soviet Excavators, excerpts by M.I.Kostin and S.V.Shimanovich. New York, Joint Publications Research Service, 1960. (31) p (JPRS: 3004) Trans. from the Original Russian: Ekskavatory: Spravochnik, Moskva, 1959,

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVICH, S.V., inzh.

Mechanization of irrigation operations in southern Russia. Mekh. stroi. 18 no.7:7-9 Jl '61. (MIRA 14:7)

1. Gosvodkhoz RSFSR.
(Russia, Southern—Irrigation canal and flumes)

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L 9200-66 EPF(n)-2/EWT(1)/EWT(m)/ETC/EWG(m)/EWP(t)/EWP(b)/EWA(m)-2

ACC NR: AR6000105 IJP(c) AT/JD SOURCE CODE: UR/0058/65/000/008/G007/G007

SOURCE: Ref. zh. Fizika, Abs. 8G57

AUTHORS: Kiselevskiy, L. I.; Snopko, V. N.; Gran'kova, D. A.; Shimanovich, V. D.

ORG: none

TITLE: Investigation of the level populations of copper and aluminum atoms subjected to autoionization

CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR. M., t. 2, vyp. 1, 1964, 150-158

TOPIC TAGS: copper, aluminum, ionization, electron recombination, line intensity, electron energy level, plasma structure

TRANSLATION: A study was made of the influence of the processes of autoionization and recombination on the intensity of the lines whose upper levels correspond to simultaneous excitation of two electrons. The level shifts of Cu and Al were studied. It is shown that the ratio of the intensities of the lines produced on going over from nearby levels with different autoionization coefficients is a function of the temperature, of the charged-particle concentration, and of the density. Under certain conditions such a ratio of the intensities can serve as a sensitive indicator of the physical parameters of a plasma. The obtained data are used to study the physical conditions in electric discharges and jets of a low-temperature plasma.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

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L 0207-00 EWT(1)/EWT(m)/EPF(n)-2/EWP(t)/EWG(m)/EWP(b)/EWA(m)-2 IJP(c) JD/AT
ACC NR: AP5013853 SOURCE CODE: UR/0368/65/002/004/0289/0294

AUTHOR: Kiselevskiy, L. I.; Shimanovich, V. D.
44,55 44,55

ORG: none

TITLE: An investigation of the population of displaced levels in aluminum and copper atoms in plasma jets

SOURCE: Zhurnal prikladnoy spektroskopii, v. 2, no. 4, 1965, 289-294

TOPIC TAGS: electron energy level, aluminum, copper, plasma research, line intensity, electron transition

ABSTRACT: The nature of the population of displaced levels is experimentally studied for aluminum and copper atoms in plasma jets injected into a vacuum. The installation used in the experiment for producing plasma jets at various pressures is based on the plasmatron principle. The relative populations of the displaced levels in these two elements with various auto-ionization probabilities were determined from the intensity ratio of the transitions from these levels. The lines used and the transitions corresponding to them are given in the table. Graphs are given for the relative intensities of spectral lines along the plasma jet. These graphs show that the relative population of levels with various probabilities of auto-ionization is close to equilibrium throughout the length of the plasma jet only at atmospheric pressure. At a pres-

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sure of 50 mm Hg, the population of levels with a high auto-ionization probability is

Transitions from displaced levels

Element	from the auto ionized level	from the nonauto-ionized level
Al	$\lambda = 3054,7$ Å, $3p^2\ {}^4P_{1/2} - 4s'\ {}^4P^0_{3/2}$	$\lambda = 3050,1$ Å, $3p^2\ {}^4P_{3/2} - 4s'\ {}^4P^0_{5/2}$
Cu	$\lambda = 4378,2$ Å, $z\ {}^4P_{3/2} - e\ {}^4D_{5/2}$	$\lambda = 4275,1$ Å, $z\ {}^4P_{5/2} - e\ {}^4D_{7/2}$

attenuated in the neighborhood of the jet nozzle. This attenuation is approximately the same as in an arc discharge at a similar pressure. However, the relative population of levels subjected to strong auto-ionization increases with distance from the nozzle and reaches approximately equilibrium at distances greater than 10 mm. This phenomenon cannot be explained by electron concentration alone. The authors assume that intensive recombination may be responsible for the increase in population in this case. In conclusion, the authors are grateful to Academician AN BSSR, M. A. Yel'yashevich for interest in the work and valuable discussion of the results. Orig. art. has: 2 figures, 1 table.

SUB CODE: NP,ME,OP/ SUBM DATE: 08Jul64/ ORIG REF: 004/ OTH REF: 005

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

GRECHIKHIN, L.I.; SHIMANOVICH, V.D.

Study of the jet of a plasma generator. Opt.i spektr. 13 no.5:626-629 N '62. (MIRA 15:12)

(Plasma (Ionized gases))

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVICH, Vera Stanislavovna [Shymanovych, Vira]; GAYDUCHOK, G.A. HAIDUCHOK, H.A.], red.; TIMCHISHINA, N.A., tekhn.red.

[Twice as much] Udvichi bil'she. Kyiv, Vyd-vo TsK LKSMU "Molod'," 1960. 18 p. (MIRA 14:1)
(Kiev-Svyatoshino District--Swine--Feeding and feeds)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

FENIN, Nikolay Konstantinovich; YASINETSKIY, Vyacheslav Grigor'yevich; Prinimal uchastiye MER, I.I.; BERKOV, A.M., kand. tekhn.nauk, retsenzent; DROBYSHEV, G.I., kand. tekhn. nauk, retsenzent; MINKIN, V.I., kand. tekhn. nauk, retsenzent; SHIMANOVICH, V.S., inzh., retsenzent; YELIZAVETSKAYA, G.V., red.; MAKHOVA, N.N., tekhn. red.

[Organization and technology of irrigation and drainage construction work] Organizatsiia i tekhnologiia gidromeliorativnykh rabot. Moskva, Sel'khozizdat, 1963. 478 p. (MIRA 17:1)

1. Kafedra stroitel'nogo proizvodstva i mekhanizatsii Novocherkasskogo inzhenerno-melioratively nogo instituta (for Berkov, Drobyshev, Minkin). 2. Gosudarstvennyy Komitet Soveta Ministrov RSFSR po vodnomu khozyaystvu (for Shimanovich).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

OUNTRY : USSR
ATEGORY : Weeds and Weed Control. M

BS. JOUR. : RZhBiol., No. 3, 1959, No. 11212

UTHOR : Kukin, V. F., Shimanovich, Z. M.
NST. : -
ITLE : The Duration of the Effect of the Toxic Properties of the Herbicide 2,4-D in Soil.

RIG. PUB. : Zemledeliye, 1958, No. 5, 66.

BSTRACT : No abstract.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.; SHIMANOVSKAYA, I.A.

Salt stalactites of mines in the Verkhnekamskoye salt deposit. Peshchery no.4:95-100 '64. (MIRA 18:5)

1. Permskiy gosudarstvennyy universitet i Permskiy geologorazvedochnyy trest.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B.

Chronic action of radium salts on the animal organism. S. P. Manoilov, B. M. Graevskaya, and K. B. Shimanovskaya (Central Sci. Research Roentgen-Radiol. Inst., Ministry Health U.S.S.R., Moscow). *Vestnik Rentgenol. i Radiol.* 1955, No. 6, 43-9.—Parenteral introduction of $RaBr_2$ at 10^{-6} c. dosage caused 100% mortality in rats, with characteristics of radiation sickness being evident. At 2×10^{-7} c. dosage, no mortalities took place, and intermediate doses gave corresponding expected results. P^{32} at 1.75×10^{-6} c. or higher dose is 100% lethal in 9-15 days. Sublethal and intermediate doses of $RaBr_2$ tend to produce increased levels of liver glycogen. Proteolytic activity of liver tissue at moderate exposure to $RaBr_2$ declines at first, then rises after some 44 days to 150% of normal. At high doses of P^{32} the liver glycogen drops markedly in 2-3 days; very high doses cause a very abrupt and severe drop. The proteolytic activity of the liver is only slightly affected by low doses and is lowered by high doses of P^{32}. Introduction of $RaBr_2$ (2×10^{-7} c.) into the bone cavity of a rat gave inconclusive results, but in a rabbit after some 15 months it was shown that a bone sarcoma had developed, with considerable metastasis.

G. M. Kosolapoff

MD

2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B. (Leningrad, 26 , V.O., 20 liniya, d.13, kv.13)

Three new cases of inducing osteogenic tumors by intra-osseous administration of radium bromide [with summary in English]. Vop. onk. 2 no.5:598-601 '56. (MLRA 10:2)

1. Iz TSentral'nogo nauchno-issledovatel'skogo rentgenologicheskogo instituta (dir. - prof. M.N.Pobedinskiy) Ministerstva zdravookhraneniya SSSR.

(RADIUM, effects,
bromide, osteogenic sarcoma, induction by intra-osseous admin. (Rus))
(BROMIDES, effects,
radium bromide, osteogenic sarcoma induced by intraosseous admin. (Rus))
(NEOPLASMS, experimental,
sarcoma, osteogenic, induced by intra-osseous radium bromide (Rus))
(SARCOMA, OSTEOGENIC, experimental,
induced by intra-osseous radium bromide (Rus))

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B.

Effect of function of the joint on the formation of the acetabulm. Ortop., travm. i protez. 17 no.2:15-17 Mr-Ap '56. (MIRA 9:12)

1. Iz TSentral'nogo nauchno-issledovatel'skogo rentgeno-radiologcheskogo instituta (dir. - prof. M.N.Pobedinskiy)
(ACETABULM, physiology,
eff. of hip funct. on develop. (Rus))
(HIP, physiology,
same)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

CHOCHIA, K.N., SHIMANOVSKAYA, K.B.

Dental lesions and mandibular necrosis as complications of radiotherapy of oral cancer [with summary in English]. Vest.rent. i rad. 33 no.3 32-36 My-Je '58 (MIRA 11:8)

1. Iz TSentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta (dir. - prof. M.N. Pobedinskiy) Ministerstva zdravookhraneniya SSSR.

(RADIOTHERAPY, compl.,
dent. lesions & mandibular necrosis in oral cancer ther. (Rus))
(MOUTH, neoplasms,
radiother. causing dent. lesions & mandibular necrosis (Rus))
(MANDIBLE, eff. of radiations,
x-ray necrosis in oral cancer ther. (Rus))
(TEETH, eff. of radiations,
x-ray induced lesions in oral cancer ther. (Rus))

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B., MOZHAROVA, Ye.N. Belugina, Z.T.

Skeletal changes in polycythemia vera [with summary in English]. Vest. rent. i rad. 33 no.5:19-24 S-O '58 (MIRA 11:11)

1. Iz TSentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR (dir. - prof. M.N. Pobedinskiy).

(POLYCYTHEMIA VERA, pathol.
skeletal changes (Rus))
(BONES AND BONES, pathol.
in polycythemia vera (Rus))

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B. (Leningrad, V-26, 20-ya liniya, d.13, kv.13)

Age factor in the development of the acetabular fossa. Vest.rent. i rad. 34 no.4:44-49 Jl-A '59. (MIRA 12:12)

1. Iz TSentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta (dir. - prof. M.N. Pobedinskiy) Ministerstva zdravookhraneniya SSSR.
(FEMUR anat. & histol.)
(AGING physiol.)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B.

Late complications in radiotherapy. Med. rad. 6 no.1:16-17 '61. (MIRA 14:3)

(RADIATION SICKNESS) (SKULL)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B.

Radiation injury of bone in the treatment of malignant tumors of the female genitalia. Vop. onk. 6 no. 10:39-46 O '60.

(MIRA 14:1)

(GENERATIVE ORGANS, FEMALE—CANCER) (BONES—DISEASES)
(RADIATION—PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B.

Bone growth inhibition as a complication of radiation therapy.
Med.rad. 6 no.8:19-23 Ag '61. (MIRA 14:8)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta meditsinskoy radiologii Ministerstva zdravookhraneniya SSSR.
(RADIATION--PHYSIOLOGICAL EFFECT) (BONES)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, K.B.

Osteomyelitis of the mandible in radiation therapy of cancer of the oral cavity. Med. rad. 9 no.2:14-21 F '64.

(MIRA 17:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii (dir. Ye.I. Vorob'yev) Ministerstva zravookhraneniya SSSR.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

LUKASH, N.I.; GUBAREVA, A.V.; SHIMANOVSKAYA, K.B.

Antineoplastic resistance in animals subjected to chronic treatment with Sr^{90} in small doses. Dokl. AN SSSR 163 no.3:747-749 Jl '65. (MIRA 18:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii i Nauchno-issledovatel'skiy institut radiatsionnoy gigiyeny. Submitted June 24, 1964.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, T., profsoyuznyy organizator grupp

Beauty is work's true companion. Okhr. truda i sots. strakh. 4 no.10:34-35 O '61. (MIRA 14:12)
(Color—Psychology)
(Factories—Design and construction)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, S.V., nauchnyy sotrudnik; SHIMANOVSKAYA, T.S., nauchnyy sotrudnik.

Directions for determining thermal conductivity of ground in relation to plus and minus centigrade temperatures. Mat.po lab.issl.merzl.grunt. no.2:78-99 '54. (MLRA 8:8)

1. TSentral'naya laboratoriya Instituta merzlotovedeniya Akademii nauk SSSR.
(Frozen ground) (Heat--Conduction)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

May/June 1947
PA 17T33

USSR/Medicine - Malaria
Medicine - Chemotherapy

May/Jun 1947

"Data on the Treatment of Obstinate Relapsing Malaria Forms With Melitin," E. A. Shimanovskaya, Chair of Microbiology of the Daghestan Medical Institute, 4 pp

"Meditsinskaya Parazitologiya" No 3

Brief account of clinical experience, concluding that melitin is a stimulator of the physiological activity of the reticulo - endothelial system.

17T33

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKAYA, YE. A.

PA 51T58

USSR/Medicine - Brucellosis Mar 1948
Medicine - Adrenalin

"Influence of the Introduction of Adrenalin in Isolating Brucella from the Blood," Ye. A. Shimanovskaya, A. T. Shukaylo, Chair Microbiol, Dagestan Med Inst, 1 p

"Sovets Medits" No 3

Adrenalin injection increases the percentage of hemo culture secretion in brucellosis patients and somewhat raises the titer in the Wright reaction. This method makes it possible to rely upon greater effectiveness in the extraction of asymptomatic, prostrated, and ambulatory brucellosis cases. First

[redacted] 51T58

USSR/Medicine - Brucellosis (Contd) Mar 1948

generation of brucella from the blood after stimulation by adrenalin was obtained in 10-24 days, while without adrenalin the first appearance was after 21-35 days

[redacted] 51T58

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHI'ANOVSKAYA, Z.F., Cand Agr Sci -- (diss) "Principles of the composition of garden-park plantings ~~in~~ under the natural conditions of Murmanskaya Oblast." Len, 1958 15 p (Min of Higher Education USSR. Len Order of Lenin Forestry Acad im S.M. Kirov) 100 copies (KL, 29-58, 135)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOV[illegible], K.N. [Simanovsky, K.N.] (Bratislava)

Jan [illegible]rvenansky. Ortop., travm. i protez. 26 no.7:81 Jl '65. (MIRA 18:7)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.

Earthquakes in Molotov Province. Priroda 46 no.5:115-116 My '57. (MLRA 10:6)

1. Molotovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
(Molotov Province--Earthquakes)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, Leonid Andreyevich, aspirant; PONAMAREVA, V.P., red.; NEUDAKINA, N.G., tekhn.red.

[Underground waters in agricultural regions of the south-eastern part of Perm Province and possibilities for their utilization] Podzemnye vody sel'skokhoziaistvennykh raionov iugo-vostoka Permskoi oblasti i vozmozhnosti ikh ispol'zovaniia. Perm', Permskoe knizhnoe izd-vo, 1958. 51 p.

(MIRA 13:2)

1. Kafedra dinamicheskoy geologii i gidrogeologii Permskogo universiteta (for Shimanovskiy).

(Perm Province--Water, Underground)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

AUTHOR: Shimanovskiy, L.A.

SOV-26-58-11-35/49

TITLE: The "Plakun" Waterfall (Vodopad "Plakun")

PERIODICAL: Priroda, 1958, Nr 11, pp 112 - 113 (USSR)

ABSTRACT: The "Plakun" waterfall in the Suksun District of the Perm' Oblast' is formed by a 1-m-wide brook that tumbles down a 7-m-high precipice and is atomized to far-flung droplets creating an impression as if the cliff of the ravine were weeping. A description of the views offered by the waterfall in summer and winter is given, and details on the water composition and the kind of the soil and subsoil of the immediate vicinity are added. There are 2 photos.

ASSOCIATION: Ural'skaya gidrogeologicheskaya stantsiya (The Urals Hydrogeological Station)

1. Hydrography--USSR

Card 1/1

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.

Training geology majors. Izv.vys.ucheb.zav.; geol. i razv. 2 no.9:133-134 S '59. (MIRA 13:4)

1. Permskiy gosudarstvennyy universitet.
(Geology--Study and teaching)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.

Inclined salt stalactites. Priroda 51 no.6:81-82 Je '62. (MIRA 15:6)

1. Ural'skaya gidrogeologicheskaya ekspeditsiya, Perm'.
(Kama Valley--Salt mines and mining)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

MAKSIMOVICH, G.A., prof., red.; BALKOV, V.A., dots., red.; VASIL'YEV, B.V., dots., red.; GORBUNOVA, K.A., dots., red.; MATVEYEV, B.K., dots., red.; MIKHAYLOV, G.K., inzh., red.; OBORIN, V.A., dots., red.; PECHERKIN, I.A., dots., red.; STARTSEV, V.S., dots., red.; SHUMANOVSKIY, L.A., inzh., red.

[Methods for studying karst; transactions] Metodika izucheniia karsta; trudy. Perm', Permskii gos. univ. Nos. 2, 4, 5, 10. 1963. (MIRA 17:12)

1. Vsesoyuznoye soveshchaniye po metodike izucheniya karsta.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.

Uinskoye ice cave in the Ufa Plateau. Peshchery no.3:25-33 '63. (MIRA 18:2)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.

Practice of using the vector method of representing water analyses in hydrogeology. Razved. i okh. nedr 29 no.9:55-57 S '63. (MIRA 16:10)

1. Permskiy geologorazvedochnyy trest.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.; SHIMANOVSKAYA, I.A.

Salt stalactites of mines in the Verkhnekamskoye salt deposit. Peshchery no.4:95-100 '64. (MIRA 18:5)

1. Permskiy gosudarstvennyy universitet i Permskiy geologorazvedochnyy trest.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.

Clastokarst of the Yurizan-Sylva Depression. Izv. AN SSSR. Ser. geog. no. 2:110-115 Mr-Ap '64. (MIRA 17:5)

1. Permskiy geologorazvedochnyy trest.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.; BESTUZHEV, A.A.; OKHAPKIN, V.G.

Activity of Permian speleologists in 1963. Peshchery no.4:118-119 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, L.A.

Hydrogeological surveying in the winter. Razved. i okh. nedr. 30 no.11:59-60 N '64. (MIRA 18:4)

1. Ural'skaya gidrogeologicheskaya stantsiya.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SOKOLOV, L.; SHIMANOVSKIY, N.

Correcting defects in operating drives of gearboxes of passenger cars. Avt. transp. 36 no.3:31 Mr '58. (MIRA 11:3)
(Automobiles--Transmission devices)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

VEDENEYEV, N.K.; SHIMANOVSKIY, N.G.; STEFANOVICH, Yu.G., kandidat tekhnicheskikh nauk; LUNEV, I.S., kandidat tekhnicheskikh nauk.

Review of the book by M.I.Lysov and A.I.Korolev "Methods of testing automobiles and automobile mechanisms. Automobile steering mechanisms". Avt. i trakt. prom. no.2:45-46 F '56. (MLRA 9:6)

1.Moskovskiy avtozavod imeni Stalina, Gor'kovskiy avtozavod imeni Molotova i Nauchno-issledovatel'skiy avtomotornyy institut.
(Automobiles--Steering gear) (Lysov, M.I.) (Korolev, A.I.)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SPEYSHER, V.A.; ANDREYEV, V.I.; SHIMANOVSKIY, O.V.

Powerful tunnel-type burner for the combustion of low-calorific power gases. Gaz.prom. 5 no.7:20-26 '60. (MIRA 13:7)

(Gas burners)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, R.N.

Primary suture of the ureter following injury during pelvic surgery. Akush. i gin. no.3:71-72 My-Je '54. (MLRA 7:8)

1. Iz Moskovskoy oblastnoy onkologicheskoy bol'nitsy.
(URETERS, wounds and injuries,
*in pelvis surg., primary suture)
(SURGERY, OPERATIVE, complications,
*ureters inj., suture)
(PELVIS, surgery,
*compl., ureters inj., suture)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, R.N.; VERMEL', Ye.M.

Treatment of cancer of the ovaries with triethylenethiophosphoramide. Akush. i gin. 36 no.2:104-109 Mr-Ap '60. (MIRA 13:12)
(OVARIES—CANCER) (PHOSPHINE SULFIDE)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIDLOVSKIY, R.N.

Enterovaginal fistula following radiotherapy of cervical cancer. Med.rad. 9 no.9:40-42 S '64. (MIRA 18:4)

1. Moskovskiy oblastnoy onkologicheskiy dispanser.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, S.V., nauchnyy sotrudnik; SHIMANOVSKAYA, T.S., nauchnyy sotrudnik.

Directions for determining thermal conductivity of ground in relation to plus and minus centigrade temperatures. Mat.po lab.issl.merzl.grunt. no.2:78-99 '54. (MLRA 8:8)

1. TSentral'naya laboratoriya Instituta merzlotovedeniya Akademii nauk SSSR.
(Frozen ground) (Heat--Conduction)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

BOZHENOVA,A.P., starshiy nauchnyy sotrudnik; SHIMANOVSKIY,S.V., nauchnyy sotrudnik

Directions for studying the freezing process of soils and ground. Mat.po lab.issl.merzl.grunt. no.2:125-137 '54. (MLRA 8:8)

1. TSentral'naya laboratoriya Instituta merzlotovedeniya Akademii nauk SSSR.
(Soil freezing) (Frozen ground)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, T.

M-8

POLAND/Cultivated Plants _ Decorative.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 11127

Author : Shimanovskiy, T.
Inst : -
Title : A New Species of Jasmine.

Orig Pub : Przegl. ogrodn., 1956, 33, No 12, 24.

Abstract : A low-growing shrub of the Ph. microphyllus type has been found near Torun; its height is 120 cm., it is very thick, consisting of very many small branches; its leaves are egg-shaped, small, and sharp-pointed. The flowers are white and have an odor; it flowers very lavishly. It is frost-resistant and can withstand shade. The maternal material of the jasmine is in the division of Urban Greenery in Torun.

Card 1/1

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

GOLUBEV, A.V.; PAVLOV, A.V.; Prinimali uchastiye: ANAN'YEVA, Yu.G., laborant; ILRAGIMOVA, Z.R., laborant; MAL'KOVA, M.N., laborant; KOTKOV, [illegible], laborant; SHEVMONSKIY, T.S., laborant; SHOKHINA, M.K., laborant.

Investigating heat currents in soils for some types of the active surface. Dokl. AN SSSR 139 no.6:66-118 Ag '61. (MIRA 14:7)

(Moscow Province—Soil temperature)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 21 [illegible] IT(m)/T/EWP(t) DJ

ACC NR: [illegible]6009528 (A) SOURCE CODE: UR/0413/66/[illegible]

INVENTOR: Garkunov, D. N.; Lozovskiy, V. N.; Simanovskiy, V. G.

ORG: none

TITLE: Metal-coating grease. Class 23, No. 179409

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 5, 1966, 50

TOPIC TAGS: lubricant, grease, antiseize additive, antiwear additive, lubricant additive/~~TsIATIM-201, TsIATIM-203~~

ABSTRACT: An Author Certificate has been issued for a metal-coating grease, such as TsIATIM-201 or -203, whose antiseizure (EP) and antiwear properties are improved and to which metal-coating properties are imparted by the addition of 5 to 60% anti-friction metals such as lead, tin, copper, zinc, and/or alloys thereof. The metals are in the form of fine powders having a particle size of up to 100 microns. [SM]

SUB CODE: 11/ SUBM DATE: 14May62/ ATD PRESS: 4222

Card 1/1 UDC: 621.892.84

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

DUBINSKIY, A.M., kand.tekhn.nauk; SHIMANOVSKIY, V.N., inzh.; SMIRNOV, Yu.V., inzh.; ZAKRZHEVSKIY, A.Ye., inzh.

Precast reinforced shells in the U.S.S.R. Stroi. konstr. no.1:5-20 '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Gosstroya SSSR, Kiyev (for Shimanovskiy, Smirnov, Zakrzhevskiy).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, V.P.; YUZVENKO, Yu.A.

Mechanized hard facing of support rollers of the DT-54 tractor with a ribbon electrode. Avtom. svar. 17 no.10:69-74 O '64 (MIRA 18:1)

1. Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 35812-66 EWP(k)/EWT(m)/T/EWP(v)/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6015250 (A) SOURCE CODE: UR/0125/66/000/005/0068/0069

AUTHOR: Yuzvenko, Yu. A., Shimanovskiy, V. P., Mel'nik, A. V., Dmitriyev, V. G. 46 B

ORG: [Yuzvenko, Shimanovskiy, Mel'nik] Institute of Electric Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR); [Dmitriyev] Combine for the Extraction and Processing of the Ores of the Kursk Magnetic Anomaly (Kombinat po dobychyye i pererabotke rud Kurskoy magnitnoy anomalii)

TITLE: Prolonging the service life of the teeth of excavator buckets by building them up with powdered-metal electrode wire

SOURCE: Avtomaticheskaya svarka, no 5, 1966, pp 68-69

TOPIC TAGS: powder metal, wire, manganese steel, excavating machinery, welding electrode, metal surfacing/PP-U25Kh17T-O welding electrode, G13L steel, EKG-4 excavating machinery

ABSTRACT: The service life of bucket teeth of G13L steel ranges from 3 to 20 days depending on operating conditions and the hardness of the rock being excavated. These teeth weigh ~120 kg each, and are mounted on the buckets of EKG-4 excavators. In this connection, the authors experimented with various patterns of the beading of

Card 1/3 UDC: 621.791.92:621.879.4

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 39812-66

ACC NR: AP6015250

the worn tips of these teeth (Fig. 1), on using PP-U25Kh17T-O powdered-metal electrode

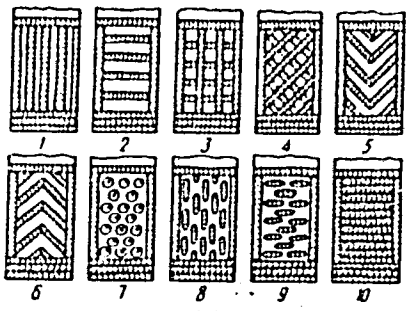

Fig. 1. Alignment of beads during build-up of teeth:

1-10 - ordinal numbers of bead-alignment patterns

wire 3 mm thick as well as a welding current of 240-260 a and a welding voltage of 24-26 v. The width and depth of the beads in every case were 12-15 and 10-12 mm, respectively. Four of the five teeth on each experimental bucket were thus built-up, the fifth having been left alone for purposes of comparison. Following operating trials (excavation operations) the wear on the teeth was compared. Findings: in all cases, except the bead alignment pattern 3 (Fig. 1) this build-up method is superior to the previously employed solid, continuous build-up method. The best results were

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 35812-66

ACC NR: AP6015250

produced by beading patterns 7, 8 and 9: the service life of the teeth was nearly tripled. Fig. 2 shows the teeth demounted from a bucket following their operating tests: the center tooth had not been built-up. Tests of built-up excavator-bucket

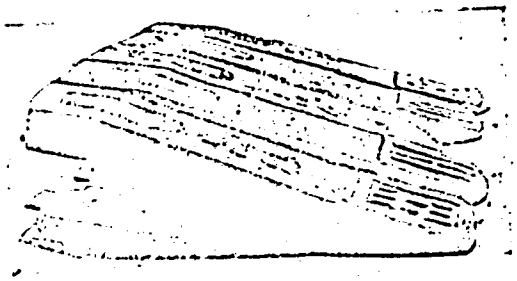

Fig. 2. Teeth after tests. Center tooth not built-up (G13L steel)

teeth used to excavate extremely hard quartzite rocks at the Yuzhnoy Southern Mining and Concentrating Combine have confirmed the effectiveness of this method. The simplicity of this method, based on unshielded welding with a powdered-metal electrode, should be particularly emphasized, since it does not require the use of shielding gases and fluxes. All this warrants recommending the widespread introduction of this method at enterprises of the ore-mining and building materials industries. Orig. art. has: 2 figures, 1 table.

SUB CODE: 11, 13/ SUBM DATE: 13Dec65/

Card 3/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

30(1) SOV/99-59-9-7/14

AUTHOR: Karambirov, N.A. and Smirnova, K.A., Candidates of Technical Sciences, and Shimanovskiy, V.V., Senior Engineer

TITLE: Porous Ceramic Filters for Water Supplying

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 9, pp 44-50 (USSR)

ABSTRACT: The stepping-up of water output from water-bearing layers consisting of fine sand, requires the building of special filters, as the application of common filters, owing to their quick clogging by the fine sand particles, does not always answer the purpose. For a solution of the problem of an efficient filtering of water containing many suspended sand particles, the authors did research, in 1957-1958, at the "VSEGINGEO" institute, to work out a filter design, which would meet the requirements. Research has shown that filters made of porous ceramic are the most satisfactory for the above purpose. As filter mediums, granulated fire

Card 1/3

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SOV/99-59-9-7/14

Porous Ceramic Filters for Water Supplying

clay and sifted quartz gravel were proposed. The chemical and granulometrical specifications of these filters are given in Tables 1 and 2. As binding materials, liquid glass mixed with silicofluorsodium and a number of glazes were proposed. Compositions of binding materials are given in Table 3. The blocks manufactured of granulated fire clay and liquid glass withstand well the process of baking, without changing their dimensions. In Figure 6, the porous ceramic filter components are shown; they were manufactured at the Kuchinskiy plant. Because of their high mechanical stability and porosity, these filters satisfy to a high degree all the requirements that might be made -- even in face of the heaviest odds -- of the process of filtering. In the current year, the Kushinskiy plant manufactured a test batch of ceramic filters on the basis of fire clay and liquid glass with silicofluorsodium. The Promburvod All-Union Hydrogeological Trust and other building organizations

Card 2/3

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SOV/99-59-9-7/14

Porous Ceramic Filters for Water Supplying

are, at the present time, conducting tests of these filters, under different hydrogeological conditions. These tests will permit establishing of application fields and parameters of the new filters. There are 2 graphs, 5 tables and 4 photographs.

ASSOCIATION: Institut VSEGINGEO (VSEGINGEO Institute) (V.V. Shimanovskiy)

Card 3/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

[illegible] P.A., [illegible] V.V. [illegible], V.V.

[illegible] the Radchenkov gas [illegible] '65.

(MIRA 18:6)

[illegible] Vsesoyuznogo nauchno-issledovatel'skogo [illegible] gazovogo [illegible] Vsesoyuznogo nauchno-issledovatel'skogo [illegible] gidrogeologii i inzhenernoy geologii.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

KARAMBIROV, N.A.; SHIMANOVSKIY, V.V.

New types of borehole filters. Biul.MOIP.Otd.geol. 34 no.4:167 Jl-Ag '59. (MIRA 13:8)

(Filters and filtration)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, V.V.

Using ceramic filters in boreholes with a high fine-grained sand content. Razved.i okh.nedr 26 no.5:41-44 My '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.
(Filters and filtration) (Ceramic materials)
(Sand)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANOVSKIY, V.V., inzh.

Rustproof ribbed ceramic filter. Gidr. i mel. 15 no.2:28-38 F '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.
(Water--Purification)
(Filters and filtration)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANSKA, O.T.

27953
S/185/60/005/004/013/021
D274/D306

5.4120 (1273)

AUTHOR: Shymans'ka, O.T.

TITLE: Investigating the critical state of matter by Töpler's method: III. Temperature dependence of density of an octane solution in hexane near the critical point liquid-vapor

PERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 5, no.4, 1960, 549-558

TEXT: The experimental results are given of a study of the critical state of a solution of 47.9 weight % hexane + 52.1 weight % octane. The Lorentz-Lorenz equation for solutions is given. An expression is derived for $\frac{d\rho}{dz}$, where ρ is the density of the solution and z is the height. This expression is found to be the same for the investigated solution as it was for a pure substance. The density of the octane-hexane solution was investigated at different

Card 1/4

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

27953 S/185/60/005/004/013/021
D274/D306

Investigating the critical state...

temperature conditions: Under equal temperature changes of 3°C per hour, and under thermostating. Thermostating comprised two series of experiments; in the first series the temperature increased jump-like, and in the second - it decreased; each temperature-value was kept for 20-30 hours. Graphs are given of the curves - $\frac{d\rho}{dz} = f(z)$. Another graph shows the temperature dependence of the density for various z. The character of the function f(z) under monotonous cooling indicated the existance of hysteresis of the density. Further, density-hysteresis curves are shown. Other graphs show the distribution of equilibrium values of f(z) obtained under thermostating. These curves are of a different character than the curves for monotonous temperature changes. The experiments showed that physical solutions whose components have a similar molecular structure, behave near the temperature where the meniscus disappears, like pure substances. On approaching this temperature, a considerable density gradient is observed in the solution; this can be explained by the influence of gravity and by the great compressibility of matter.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

27953
S/185/60/005/004/013/021
D274/D306

Investigating the critical state...

The data on density-gradient distribution made it possible to evaluate the change in isothermic compressibility with height. It was not possible, however, (with the experimental setup used) to directly determine the compressibility at the critical point. It follows from the investigation that, at near-critical temperatures, the state of the system varies with height in the case of solutions as well as in the case of pure substances. At temperatures, slightly lower than the critical, below the meniscus a liquid state exists the density of which decreases with height, whereas above the meniscus, vapors are found whose density increases on approaching the meniscus. When the mensicus disappears, the densities of contiguous layers of liquid and gas equalize: the critical state of the solution arises. These results are in agreement with the classical concept of critical point. Near the critical point of a solution, as well as near the critical point of a pure substance, the rate of return to equilibrium is very low. The investigation showed that this rate is slightly lower for solutions than for pure substances.

Card 3/4

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27953

Investigating the critical state... S/185/60/005/004/013/021
D274/D306

This may be due to a low rate of diffusion. The hysteresis of the density is a result of the low rate of return to equilibrium near the critical point. With prolonged thermostating, there is no hysteresis, i.e. the density is uniquely determined by the parameters of state. There are 11 figures and 10 references: 8 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: J. Dacey, R.L. McIntosh and O. Maass, Can. J. Research, v. 17, 206-213, 231-240, 241-250, 1939.

ASSOCIATION: Kyyivs'kyy derzhavnyy universytet (Kiyev State University)

SUBMITTED: November 25, 1959

Card 4/4

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

KUCHUK, A.P.; SHIMANSKAYA, B.M.

Preparation of antihemophilic plasma. Probl. gemat. i perel. krovi no.5:43-45 '65. (MIRA 18:10)

1. Gematologicheskiy otdel (rukovoditel'- dotsent S.M. Martynov) L'vovskogo nauchno-issledovatel'skogo instituta perelivaniya krovi (dir.- dotsent D.G. Petrov).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SENZYUK, K.D.; BERLIN, S.S.; ASNER, B.G. [Asner, B.H.]; KUZ'MITSKIY, V.M. [Kuz'myts'kyi, V.M.]; ARSENT'YEV, Ye.D. [Arsent'iev, IE.D.]; SHIMANSKAYA, G.G. [Shymans'ka, H.H.]; PINSKIY, A.Ye. [Pyns'kyi, A.IE.]; KHOMENKO, A.I.; GAMPEL', A.O. [Hampel', A.O.]

Proposals of efficiency promoters. Leh.prom. no.4:46-52 O-D '62. (MIRA 16:5)

(Kiev--Knit goods industry--Technological innovations)
(Odessa--Knit goods industry--Technological innovations)
(Kiev--Cotton manufacture--Technological innovations)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

ROSLYAKOV, G.V.; SHIMANSKIY, A.A.; SHIMANSKAYA, G.V.

Possibility of using correlation analysis for determining the content of some components in the iron ores of the Angara-Ilim region. Izv. vys. ucheb. zav.; geol. i razv. 6 no.5:97-103 My '65. (MIRA 18:10)

1. Irkutskiy politekhnicheskiy institut i Irkutskiy geologo-razvedochnyy tekhnikum.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

MOSHKIN, P.A., red.; KALNIN'SH, A.I.[Kalnins,A.], akademik, red.; GILLER, S.A., akademik, red.; SHIMANSKAYA, M.V., kand. khim. nauk, red.; DYMARSKAYA, O., red.; ZHUKOVSKAYA, A., tekhn. red.

[Utilization of pentosan-containing raw materials; transaction of the All-Union Conference] Voprosy ispol'zovaniia pentozansoderzhashchego syr'ia; trudy. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1958. 521 p. (MIRA 15:1)

1. Vsesoyuznoye soveshchaniye po voprosam ispol'zovaniya pentozansoderzhashchego syr'ya, Riga, 1955. 2. Chlen-korrespondent AN SSSR i Nauchno-issledovatel'skiy institut plasticheskikh mass (for Moshkin). 3. Akademiya nauk Latviyskoy SSSR (for Kalnin'sh, Giller). 4. Institut organicheskogo sinteza AN Latviyskoy SSR (for Giller).

(Pentosans)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

AUTHORS: Lomakina, G.G., Tolmachev, V.N., Shimanskaya, M.V., Slavinskaya, V.A.

32-24-6-13/44

TITLE: News in Brief (Korotkiye soobshcheniya)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 6, p. 694 (USSR)

ABSTRACT: G.G. Lomakina and V.N. Tolmachev of Khar'kov State University (Khar'kovskiy gosudarstvennyy universitet) recommend the application of acid chromium dark-blue as a coloring agent for colorimetrical determinations of magnesium- and aluminum alloys. Together with magnesium this coloring agent forms a colored complex of the composition MgR_2. The most sensitive reaction is attained with pH = 9.5 - 10.5, in which case the relative error is 0.5 - -3.5%, and sensitivity increases with an increased purity of the coloring agent. The calibration curves can be plotted according to solutions of magnesium chloride of etalon samples of aluminum alloys.

M.V. Shimanskaya and V.A. Slavinskaya of the Institute of Organic Chemistry of the Academy of Sciences, Latvian SSR (Institut organicheskoy khimii Akademii nauk Latviyskoy SSR) suggested a method of photocolorimetric quantitative determination of

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

furfurole in the presence of aliphatic aldehydes of carboxylic acids. The well-known reaction between furfurole and acetic acid aniline is used and the method of investigation developed by Ponomarev is employed on this occasion. After reaction lasting $1^h45'$ at 15° between a sodium chloride-, acetic acid-, and aniline solution with furfurole, the solution is colorimetrized on a photocolorimeter FEK-M with a green light filter. The weight-limit ratios between furfurole and formic- and maleic acid, formaldehyde and acetic aldehyde which do not act upon the optical density of the coloring of the compound of furfurole with acetic acid aniline are determined.

1. Magnesium--Determination 2. Aluminum alloys--Determination
3. Colorimetry 4. Furfurals--Quantitative analysis

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

LIDAK,M. [Lidaka,M. (Riga); LEIN',Z. [Lejina,Z.] (Riga); SHIMANSKAYA, M.V. (Riga)

Stability of preparations N,N', N"-triethylenethiophosphoramide (TioTEFA) under different conditions. Vestis Latv ak no.11:87-90 '59. (EEAI 9:11)

1. Akademiya nauk Latviyskoy SSR, Institut organicheskogo sinteza.
(Thio-TEPA)
(Trisazividinylphosphine sulfide)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

KALNIN'SH,A.I.[Kalnins,A.], akademik, red.; GILLER, S.A., akademik, red.; SHIMANSKAYA,M.V., kand. khim. nauk, red.; DYMARSKAYA, O., red.; PILADZE, E., tekhn. red.

[Resources of pentosan-containing raw material in the U.S.S.R.] Resursy pentozansoderzhashchego syr'ia v SSSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1960. 161 p. (MIRA 14:12)

1. Vsesoyuznyy uchenyy sovet po probleme ispol'zovaniya pentozansoderzhashchego syr'ia. 2. Akademiya nauk Latviyskoy SSR (for Kalnin'sh, Giller).

(Pentosans)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

PHASE I BOOK EXPLOITATION SOV/4350

Soveshchaniye po khimii, tekhnologii i primeneniyu proizvodnykh piridina i khinolina. Riga, 1957

Khimiya, tekhnologiya i primeneniye proizvodnykh piridina i khinolina; materialy soveshchaniya (Chemistry, Technology and Utilization of Pyridine and Quinoline Derivatives; Materials of the Conference) Riga, Izd-vo AN Latviyskoy SSR, 1960. 299 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agencies: Akademiya nauk Latviyskoy SSR. Institut khimii; Vsesoyuznoye khimicheskoye obshchestvo.

Ed.: S. Bazhanova; Tech. Ed.: A. Klyavinya; Editorial Board: Yu. A. Bankovskiy, Candidate of Chemistry, E. V. Vanaga, Candidate of Chemistry (Resp. Ed.), L. P. Zalukayev, Doctor of Chemistry, and M. M. Kalnyn'.

PURPOSE: This book is intended for organic chemists and chemical engineers.

COVERAGE: The collection contains 33 articles on methods of synthesizing or producing pyridine, quinoline, and their derivatives from natural sources. No personalities are mentioned. Figures, tables, and references accompany the articles.

III. SYNTHESES BASED ON PYRIDINE AND QUINOLINE

Shimanskaya, M. V., and S. A. Giller (Institute for Organic Synthesis of the Academy of Sciences Latviyskaya SSR). Vapor Phase Contact Oxidation of Picolines 185

Vompe, A. F., N. V. Monich, N. F. Turitsyna, and L. V. Ivanova [Vsesoyuznyy nauchno-issledovatel'skiy kinofoto-institut (All-Union Motion Picture Scientific Research Institute)]. Mobility of the Alkoxy (Phenoxy) Group in Quaternary Salts and in Salts of γ-Alkoxy (Phenoxy) Pyridines.

Stepanov, F. N., and N. A. Aldanova [Kafedra organicheskoy khimii Moskovskogo instituta rybnoy promyshlennosti; Vsesoyuznyy nauchno-issledovatel'skiy institut poluproduktov i krasiteley MkhP SSSR (Department of Organic Chemistry of the Moscow Institute for the Fishing Industry, All-Union Scientific Research Institute for Semifinished Materials and Dyes, Ministry of the Chemical Industry USSR)]. Condensation of Alkyl Pyridines With Keto Halides 203

Vasserman, Kh. M., and S. A. Giller [Rizhskiy meditsinskiy institut; Institut organicheskogo sintoza Akademii nauk Latviyskoy SSR (Riga Medical Institute; Institute of Organic Synthesis,)]. The Use of Saturated Nitrogen-Containing Heterocyclic Compounds for Synthesis of Ganglia-Blocking and Curariform Substances 207

Zalukayev, L. P., and E. V. Vanag [Institut khimii Akademii nauk Latviyskoy SSR (Chemical Institute of the Academy of Sciences Latviyskaya SSR)]. Synthesis and Reactions of α-Nitromethylquinolines 223

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANSKAYA, M.(Riga); GILLER, S.[Hillers, S.](Riga)

Effect on the activity of the content of vanadous catalysts in the process of vapor-phase furfurole oxidation. Vestis Latv ak no.9: 93-102 '60. (KEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut organicheskogo sinteza.

(Catalysts) (Vanadium) (Furaldehyde)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANSKAYA, M.V., kand. khim. nauk, red.; ZIDERMANE, A.A., kand. med. nauk, red.; BLYUGER, A.F., kand. med. nauk, red.; LIDAK, M.Yu., red.; DYMARSKAYA, O., red.; PILADZE, Ye., tekhn. red.

[Thio-TEPA] TioTEFA. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1961. 180 p. (MIRA 15:3)

1. Latvijas Padomju Sotsialistiskas Republikas Zinatnu Akademija. Organiskas sintezes instituts. 2. Institut organicheskogo sinteza AN Latviyskoy SSR (for Shimanskaya, Lidak). 3. Sektor eksperimental'noy khimioterapii Instituta organicheskogo sinteza AN Latviyskoy SSR (for Zidermane).

(THIO-TEPA)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANSKAYA, Mariya Vladislavovna; SLAVINSKAYA, Valentina Aleksandrovna; GILLER, S.A., akademik, red.; DYMARSKAYA, O., red.; LEMBERGA, A., tekhn. red.

[Analysis of furfurole] Analiticheskoe opredelenie furfurola. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1961. 182 p. (MIRA 14:11)

1. Akademiya nauk Latviyskoy Sotsialisticheskoy Respubliki (for Giller)
(Furaldehyde)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SLAVINSKAYA, B.A.; SHEMANSKAYA, M.V.; GILLER, S.A.; IOFFE, I.I.

Kinetics of the vapor-phase contract oxidation of furfurole.
Kin. i kat. 2 no.2:252-257 Mr-Ap '61. (MIRA 14:6)

1. Institut organicheskogo sinteza AN Latviyskoy SSR, Riga i Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley imeni K. Ye. Voroshilova.
(Furaldehyde) (Oxidation)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SLAVINSKAYA, V.A.; GULEVSKIY, E.K.; SHIMANSKAYA, M.V.; GILLER, S.A.; IOFFE, I.I.

Kinetics of furfurole catalytic oxidation. Kin.i kat. 3 no.2:276-281 Mr-Ap '62. (MIRA 15:11)

1. Institut organicheskogo sinteza AN Latviyskoy SSR, Riga i Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley imeni K.Ye.Voroshilova, Moskva.
(Furaldehyde) (Maleic anhydride) (Catalysts)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

GILLER, S.A., otv. red.; BLYUGER, A.F., red.; SHIMANSKAYA, M.V., red.; DYMARSKAYA, O., red.; LEMBERGA, A., tekhn. red.

[Furazolidone]Furazolidon. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1962. 145 p. (MIRA 15:12)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija. Organiskas sintezes institut. 2. Direktor Instituta organicheskogo sintesa Akademii nauk Latvyskoy SSR (for Giller). 3. Institut organicheskogo sinteza Akademii nauk Latviyskoy SSR (for Shimanskaya). 4. Kafedra infektsionnykh bolezney Rizhskogo meditsinskogo instituta (for Blyuger).

(OXAZOLIDINONE)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 14039-66 EWP(j)/EWT(m) RM

ACC NR: AR5020051 SOURCE CODE: UR/0081/65/000/012/N006/N007

AUTHOR: Teraud, V.V.; Stradyn', Ya.P.; Shimanskaya, M.V.

ORG: none

25
B
744.55

TITLE: Polarographic control methods in the production of maleic acid from furfural

SOURCE: Ref. zh. Khimiya, Abs. 12N35

REF SOURCE: Izv. AN LatvSSR. Ser. Khim., no. 5, 1964, 541-546

TOPIC TAGS: maleic anhydride, polarography, catalysis, surface active agent

TRANSLATION: Polarographic methods were developed for analytical control of the separate stages of the vapor-phase contact process in oxidizing furfural into maleic anhydride. In order to analyze the maleic acid in catalyzates with a high content of surface-active agents, a modified method for the addition of standard solutions retaining the permanent concentration of the agents was proposed. This allows elimination of the influence of surface-active agents on the polarographic determination of maleic acid. Because the polarographic method is sufficiently accurate for industrial use, it is proposed that it be substituted for the more labor consuming chemical methods for controlling the process. From a resume.

SUB CODE: 07

Card 1/1

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 44124-66 EWT(m)/EWP(1) WW/JW/BM

ACC NR: AP6030657 SOURCE CODE: UR/0020/66/169/006/1332/1334

AUTHOR: Anderson, A. A.; Yurel', S. P.; Shimanskaya, M. V.; Giller, S. A. (Academician AN LatSSR)

ORG: Institute of Organic Synthesis, Academy of Sciences LatvSSR (Institut organicheskogo sinteza Akademii nauk LatvSSR)

TITLE: Vapor-phase contact deamination of polyfunctional amines

SOURCE: AN SSSR. Doklady, v. 169, no. 6, 1966, 1332-1334

TOPIC TAGS: amine deamination, catalyst activity, kaolin, alumina, diethylenetriamine, ethanolamine, triethylenediamine, piperazine, pyrazine

ABSTRACT: Vapor-phase deamination of diethylenetriamine and dehydration of ethanolamine over kaolin, kaolin with 5% MoO_3, active alumina, and alumina with B_2O_3, P_2O_5, MoO_3, WO_3, and SiO_2 was studied at 300—500C to determine the effect of the catalysts on the reaction products composition and the catalyst selectivity. The yield and the composition of the catalyzate depend on both the catalyst present and the temperature. Gas-liquid chromatographic analysis of the reaction products showed that the composition of the catalyzate varied with both the catalyst present and temperature. The reaction product formed in the deamination of

Card 1/3 UDC: 541.128.13+547.415+547.861.9

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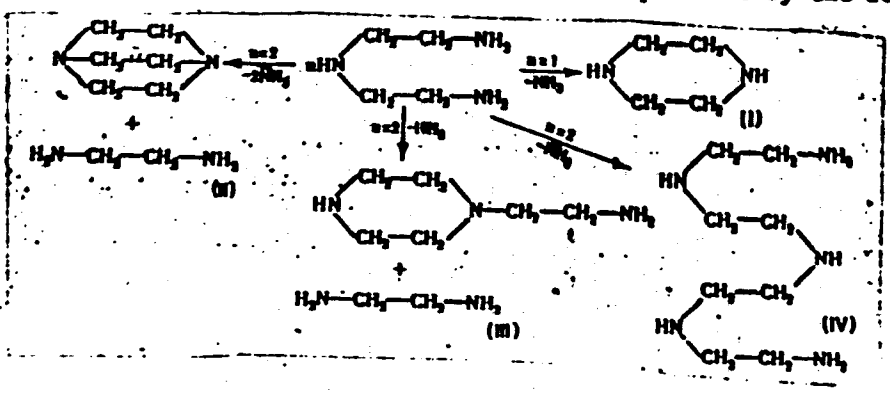
"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 44124-66
ACC NR: AP6030657

diethylenetriamine and its condensation with polyethylenepolyamines formed over kaolin contains 12 identified compounds. The reaction proceeds by the following mechanism:



The presence of ethylamine and pyrazine among the reaction products indicates the occurrence of dehydrogenation and hydrogenation processes in addition to deamination. Reactions III and IV prevailed at low temperatures (340—420C). Dehydrogenation commences at temperatures above 420C, and at temperatures above 460C, the main products undergo cracking. Conversion of the main products of deamination of diethylenetriamine was also studied. Among the reaction products, triethylenediamine was

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

L 44124-66

ACC NR: AP6030657

found to be most stable. Alumina containing 5% MoO_3 was the most selective catalyst with respect to the formation of pyrazine, while triethylenediamine, ethylenediamine, and piperazine were not found among the reaction products formed over this catalyst. The addition of acid oxides to the catalyst has a positive effect on the conversion of diethylenetriamine into triethylenediamine. Orig. art. has: 2 figures. [PS]

SUB CODE: 07/ SUBM DATE: 21Dec65/ ORIG REF: 006/ OTH REF: 013/ ATD PRESS: 5072

Card 3/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

BEDCHER, A.Z.; YEREMINA, A.S.; SHIMANSKAYA, N.M.

Distribution of reservoir rocks and the characteristics of Lower Pontian formation waters in the western Kuban trough based on data from the geophysical observation of wells. Trudy KF VNII no.10:242-251 '62. (MIRA 15:11)
(Kuban Lowland--Oil sands)
(Kuban Lowland--Oil field brines)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510008-8

SHIMANSKAYA, N.P.

48-1-6/20

AUTHORS: Kilimov, A. P., Shimanskaya, N. P.

TITLE: The Extinction of Photoluminescence in Stilbene by Extraneous Substances (Tusheniye fotolyuminestsentsii stil'bena postoronnimi veshchestvami).

PERIODICAL: Izvestiya AN SSSR Seriya Fizicheskaya, 1958, Vol. 22, Nr 1, pp. 24-28 (USSR).

ABSTRACT: The dependence of the relative emission of photoluminescence in stilbene-powders on the concentration of admixtures was investigated here. Benzoin, deoxybenzoin, hydrobenzoin, 1,2-dibenzylpinacone, 1,2-diphenylethane and phenanthrene were investigated. Of these 6 an extinguishing action upon the photoluminescence of stilbene was determined in the first three, i. e. in compounds with carbonyl- or hydroxyl-groups. The last three are substances which possess luminescence themselves and which intensify the luminescence of stilbene. It is shown that at high concentrations of 1,2-dibenzylpinacone and 1,2-diphenylethane in the case of an oxygen-containing pinacone a stronger extinction was observed than in the case of 1,2-diphenylethane. A comparison of the luminescence-spectra of pure stilbene and of stilbene with admixtures admits the conclusion that in the case of phenanthrene and deoxybenzoin the excitation-energy is transferred from the stilbene-molecules to the admixture-molecules. In the case of an addition of benzoin and

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The Extinction of Photoluminescence in Stilbene by Extraneous Substances. 18-1-6/20

hydrobenzoin no changes were observed in the luminescence-spectra. The changes in the luminescence-spectra of the mixtures of stilbene and 1,2-dibenzylpinacone and the 1,2-diphenylethane repectively are not distinctly marked and yield no foundations for an evaluation of the processes causing the intensification of luminescence in these cases.

There are 7 figures, and 5 references, 3 of which are Slavic.

ASSOCIATION: Khar'kov Branch of the All-Union Scientific Research Institute for Chemical Reagents (Khar'kovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov).

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1. Chemistry 2. Stilbenes 3. Chemical compounds-Luminescence

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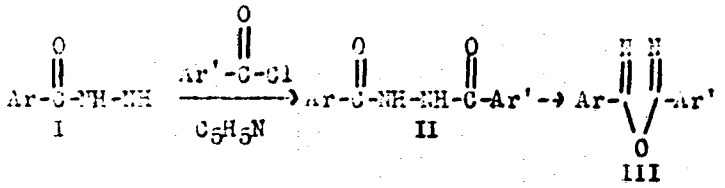
SOV/51-6-2-11/39

AUTHORS: Shimanskaya, N.P., Kilimov, A.P. and Grokov, A.P.

TITLE: Investigation of the Scintillation Properties of Certain Derivatives of 1,3,4-Oxadiazole (Issledovaniye stsintillyatsionnykh svoystv nekotorykh proizvodnykh 1,3,4-oksadiazola)

PUBLICATION: Optika i Spektroskopiya, 1959, Vol 6, Nr 2, pp 194-197 (USSR)

ABSTRACT: The authors synthesized a large number of monoaryl and diaryl derivatives of 1,3,4-oxadiazole and studied their scintillation and luminescent properties. They found several new scintillators including 2-(1-naphthyl)-5-(4-biphenylyl)-1,3,4-oxadiazole (LNBD) and 2-(4-methoxyphenyl)-5-phenyl-1,3,4-oxadiazole (MtPPD). The present paper reports measurements on photoluminescence and scintillation of LNBD and MtPPD, as well as of 2-phenyl-5-(4-biphenylyl)-1,3,4-oxadiazole (PBD) which was first obtained by Hayes et al. (Ref 1). LNBD and MtPPD were synthesized by means of the reaction



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(notation is the same as that used by Hayes et al. in Refs 1, 2). Each substance was purified by recrystallization from solution and chromatography on aluminium oxide. The authors measured the relative intensity and photoluminescence spectra and the integral scintillation yield in toluene and polystyrene solutions of various concentrations. The absorption and luminescence spectra of MtPPD, LNBD and PBD in heptane were also measured. The spectra and intensities of luminescence were measured by means of a SF-4 spectrophotometer, used as a monochromator and a photomultiplier FEU-18. A mirror galvanometer M-21 was used to record the photo-current. The integral scintillation yield was determined from the photo-current of a FEU-19 photomultiplier to whose window a radioactive Ag^{110} source (0.1 millicuries) was fixed. The absorption spectra were measured by means of a SF-4 spectrophotometer. The results are given in Figs 1-11. The concentration dependences of the intensity of photoluminescence and of the scintillation efficiency were similar for all the three substances in polystyrene (Figs 1-3). In toluene solutions MtPPD shows a stronger concentration quenching of luminescence (Fig 4) than the other two substances (Figs 5 and 6). The absorption spectra of the three substances are shown in Figs 7-9, together with

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their luminescence spectra. Figs 7-9 show that the three substances when dissolved in heptane obey the law of symmetry between the absorption and the luminescence spectra. The absorption maxima of PBD and LNBD were found to coincide with the emission maxima of polystyrene. The optimum concentrations and the scintillation efficiency at these concentrations are given for all the three substances in a table on p 197. This table contains also data on pTP (p-terphenyl) and pTP + POPOP scintillators. All the three new substances (LNBD, MtPPD, PBD) are better scintillators than pTP or pTP + POPOP. Of the former three compounds LNBD and MtPPD are better than PBD. There are 11 figures, 1 table and 5 references, 3 of which are Soviet and 2 English.

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SOV/51-7-3-12/21

AUTHORS: Shimanskaya, N.P., Kilimov, A.P., Grekov, A.P., Yegupova, L.M. and Azen, R.S.

TITLE: Plastic Scintillators with Additions of Aryl Derivatives of 1,3,4-Oxadiazole.

PERIODICAL: Optika i spektroskopiya, 1959, Vol 7, Nr 3, pp 366-370 (USSR)

ABSTRACT: The authors measured the scintillation efficiency and recorded the absorption and luminescence spectra of solid solutions of eight 2,5-aryl derivatives of oxadiazole in polystyrene. These derivatives were:
2-(4-biphenylyl)-1,3,4-oxadiazole (BD);
2,5-di-(4-methoxyphenyl)-1,3,4-oxadiazole (MtPMtPD);
2-phenyl-5-(4-biphenylyl)-1,3,4-oxadiazole (PBD);
2-phenyl-5-(1-naphthyl)-1,3,4-oxadiazole (αNPD);
2-phenyl-5-(2-naphthyl)-1,3,4-oxadiazole (βNPD);
2,5-di-(4-biphenylyl)-1,3,4-oxadiazole (BBD);
2-(4-biphenylyl)-5-(2-naphthyl)-1,3,4-oxadiazole (βNBD);
2-(1-naphthyl)-5-(2-naphthyl)-1,3,4-oxadiazole (αN/βND).

The BD compound was obtained by heating of 4-biphenylylhydrazide with ethyl ester of o-formic acid (Ref 2). The other seven compounds were

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