"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

L 36981-65

ACCESSION NR: AP5007756

detected which determine the structural anisotropy of the pyrolytic carbon. In specimens obtained under nitrogen, the interboundary regions were parallel, occurring at regular intervals. Occasionally, boundary regions showed specific chain-like outgrowths. Thermal treatment of pyrolytic carbon at temperatures above 3000C caused block formations in the recrystallized pyrolytic carbon of a mosaic-like substructure and regions of shifting dislocation; recrystallization led to a considerable decrease in the azimuthal disorientation. The high anisotropy was also seen in the roentgenogram. The carbon obtained at a temperature above 2000C in a vacuum (electric heat source) corresponded to the structure of amorphized natural graphite, with a high degree of preferred crystal orientation (anisotropic factor about 30); the carbon obtained by pyrolysis in the vacuum induction furnace was more ordered than that obtained in a vacuum resistance furnace. Orig. art. has: 6 figures.

ASSOCIATION: None

SUBMITTED: 16Jan64 ENCL: 00 SUB CODE: OC

NO REF SOV: 008 OTHER: 007

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L 18421-66 EWP(i)/EWT(m) WW/WH

ACC NR: AP6003486 SOURCE CODE: UR/0020/66/166/001/0077/0079

AUTHOR: Fialkov, A. S.; Davidovich, Ya. G.; Yurkovskiy, I. M.

ORG: none

54

B

TITLE: Preferential crystallization in graphitic materials

SOURCE: AN SSSR, Doklady, v. 166, no. 1, 1966, 77-79

TOPIC TAGS: graphite, graphitization, crystallization, crystal structure analysis, expansion ratio, high temperature material, thermal expansion, anisotropy

ABSTRACT: Anisotropic structural changes in graphitic materials at high temperatures were studied. The experimental material used was a mixture of coke containing 20% pitch. The coke was pressed and sintered at temperatures up to 1100°C. Samples (0.7 × 0.7 × 6 cm) were cut from the blocks both parallel and perpendicular to the direction of pressing. The linear thermal expansion characteristics of the samples were determined in the temperature range of 100 to 300°C. The resulting structural changes following heating were analyzed by x-ray diffraction using CuK_α radiation. The ratio of intensities of the (002) planes perpendicular and parallel

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L 18421-66
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to the pressing direction was called the structural anisotropy factor; this ratio tabulated for different temperatures ranging from 1300-3000°C. Thermal expansion data are given for various processing temperatures and for both the parallel and perpendicular pressing directions as a function of temperature. These curves exhibited a minimum at about 1500 to 1700°C, which coincided with the appearance of intensive x-ray dispersion from the (112) and (101) reflections. An equation is given for the displacement of the hexagonal lattice dimensions as a function of wavelength and Bragg angle for the (100) reflection. The thermal expansion curves exhibited maxima at about 1100°C as a result of texturing during treatment and subsequent reorientation of the hexagonal lattice planes during heating. This general phenomenon was described as third degree ordering. Orig. art. has: 3 figures, 1 table.

SUB CODE: 11/ SUBM DATE: 22Apr65/ ORIG REF: 002/ OTH REF: 004

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

FIALKOV, A.S.; DAVIDOVICH, Ya.G.; KONONOVA, K.V.; YURKOVSKIY, I.M.

Amorphous state of natural graphite powders. Dokl. AN SSSR 153 no.2:390-393 N '63. (MIRA 16:12)

1. Predstavleno akademikom P.A.Rebinderom.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

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FIALKOV, A.S.; BAVER, A.I.; SMIRNOV, B.N.; CHAYKUN, M.I.; SIDOROV, N.M.; RABINOVICH, S.M.; YURKOVSKIY, I.M.

Structure of pyrolytic carbon of various modifications. Zhur.strukt.khim. 6 no.1:66-69 Ja-F '65. (MIRA 18:12)

1. Submitted Jaunary 16, 1964.

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YURKOVSKIY, N. P.

1. PRILUTSKIY, Yu. M. - YURKOVSKIY, N. P.

2. USSR (600)

4. Automobiles - Maintenance

7. Operating an automobile for 200,000 kilometers without major repair. Sakh, prom. 26 no. 11, 1952

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

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

ZDANOVICH, V.G., doktor tekhn. nauk, prof.; BABKOV, A.I., ml. nauchn. sotr.; YURKOVSKIY, O.A., ml. nauchn. sotr.; REKHTZAMER, G.R., dots., kand. tekhn. nauk; SHARIKOV, Yu.D., st. nauchn. sotr.

[Methods of studying ocean currents from an airplane] Metody izucheniia morskikh techenii s samoleta. Moskva, Nauka, 1964. 227 p. (MIRA 18:3)

1. Akademiya nauk SSSR. Laboratoriya aerometodov. 2. Laboratoriya aerometodov Gosudarstvennogo geologicheskogo komiteta SSSR (for Zdanovich, Babkov, Yurkovskiy). 3. Leningradskiy Gidrometeorologicheskiy institut (for Rekhtzamer).

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62
47

Akademiya Nauk SSSR. Laboratoriya aerometodov gosudarstvennogo geologicheskogo komiteta SSSR

Methods of studying ocean currents from an airplane (Metody izucheniya morskikh techeniy s samoleta) Moscow, Izd-vo "Nauka", 1964. 227 p. illus., biblio., append. Errata slip inserted. 1100 copies printed. Managing editor: Doctor of Technical Sciences V. G. Zdanovich; Editor of the publishing house: Ye. A. Semenova; Technical editor: G. P. Aref'yeva; Proofreaders: A. A. Ginzburg, G. A. Mirpennichenko, A. Kh. Saltanayeva

TOPIC TAGS: photogrammetry, oceanography, aerial photography, ocean current

PURPOSE AND COVERAGE: This book was intended for specialists in the fields of photogrammetry and oceanography concerned with studying oceanic currents by means of aerial photography. The theory and the practice of basic aerial methods of measuring ocean currents are presented (method of single floats and the method of bottom indicators), and the problems of producing the associated aerial observations are analysed. For each method, its theoretical foundations are outlined, the equipment required is described, the procedures involved in flight photography

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and development of the aerial photographs are analyzed, and the accuracy of the results is evaluated. The book is based on work carried out by the Laboratoriya Aeronetatov of the GOK SSSR in recent years. The work was done by Laboratoriya personnel, including Professor V. [illegible] Zdanovich, Senior Scientific Colleague Candidate of Technical Sciences Yu. D. Sharikov, and Junior Scientific Colleagues A. I. [illegible] and [illegible] A. Turkovskiy. Candidate of Technical Sciences G. R. Rakhtsamer, Docent at the Leningradskiy Gidrometeorologicheskiy Institut, also participated in the work.

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YURKOVSKIY, Sergey Yakovlevich[IUrkovs'kyi, S.IA.], kand. sel'khoz. nauk; LEVITSKAYA, G.P.[Levits'ka, H.P.], red.; MANZHERAN, P.F., tekhn. red.

[Mechanization of the protection of plants against pests and diseases] Mekhanizatsiia zakhystu roslyn vid shkidnykiv ta khvorob. 2 vyd., dop. i perer. Kyiv, Derzhsil'hospvydav URSR, 1963. 279 p. (MIRA 17:3)

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YURKOVSKIY, YE.K.

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"General course on electric engineering for non-electrotechnical higher technical schools. General electric engineering." I. R. Bel'skiy, V. A. Besekerskiy, A. V. Donskoy, A. S. Press, Ye.K Yurkovskiy. Reviewed by Profs. V. P. Khasnechinskiy, S. A. Press. Elecktrichestvo no. 8, 1952.

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YUROVITSKIY, Yu.G.

"The riddle of mimicry and its solution" by Franz Heikertinger. Reviewed by IU.G.IUrovitskii. Nauch. dokl. vys. shkoly; biol. nauki no.3:193-196 '61. (MIRA 14:7)
(HEIKERTINGER, FRANZ) (MIMICRY (BIOLOGY))

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YUROVSKIY, Yu.M.

Using gas logging data in predicting the character of pools. Geol. nefti i gaza 6 no.1:44-47 Ja '62. (MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

(Gas well logging)

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YURKSHTOVICH, N.A.; GORANSKIY, G.K., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor.

[Modern lathes and their operation] Sovremennye tokarnye stanki i rabota na nikh. Pod red. G.K.Goranskogo. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954. 186 p. [Microfilm]
(Lathes) (MLRA 8:2)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

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AKIMOVA, K.I.; BAZHENOV, M.F.; BAKHVALOV, G.T.; BEZKIJBENKO, N.P.; BERMAN,S.I.; BOGDANOV, Ye.S.; BODYAKO, M.N.; BOYKO, B.B.; VINOGRADOV, S.V.; GAGEN-TORN, K.V.; GLEK, T.P.; GOREV, K.V.; GRADUSOV, P.I.; GUSHCHINA,T.N.; YEMEL'YANOV, A.K.; YESIKOV, M.P.; ZDZYARSKIY, A.V.; ZAKHAROV, M.V.; ZAKHAROVA, M.I.: KARCHEVSKIY, V.A.; KOMAROV, A.M.; KORZHENKO, O.T.; LAYNER, V.I.; MAL'TSEV, M.V.; MILLER, L.Ye.; MILOVANOV, A.I.; MIRONOV, S.S.; NIKONOROVA, N.A.; OL'KHOV, N.P.: OSIPOVA, T.V.; OSOKIN, N.Ye.; PERLIN, I.L.; PLAKSIN, I.N.: PROKOF'YEV, A.D.; RUMYANTSEV, M.V.; SEVERDENKO, V.P.; SEREDIN, P.I.; SMIRYAGIN, A.P.; SPASSKIY, A.G.; TITOV, P.S.; TURKOVSKAYA, A.V.; SHAKHNAZAROV, A.K.; SHPICHINETSKIY, Ye.S.; YURKSHTOVICH, N.A.; YUSHKOV, A.V.; YANUSHEVICH, L.V.

Sergei Ivanovich Gubkin. TSvet.met. 28 no.6:60-61 N-D '55. (MIRA 10:11)
(Gubkin, Sergei Ivanovich, 1898-1955)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURKSHTOVICH, N.A.; GORANSKIY, G.K., redaktor; KAIECHITS, G., tekhnicheskiy redaktor.

[Planing machines and their operation] Strogal'nye stanki i rabota na nikh. Pod red. G.K.Goranskogo. Minsk, Gos. izd-vo BSSR, 1956. 91 p. (Planing machines) (MLRA 9:5)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURKSHTOVICH, N.A.

24(0) PHASE I BOOK EXPLOITATION SOV/3371

Minsk. Belorusskiy politicheskiy institut

Sbornik nauchnykh rabot. Vyp. 60: Seriya fiziko-matematicheskaya (Collected Scientific Works. Nr 60: Physics and Mathematics Series) Minsk, 1957. 167. Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: Ministerstvo vysshego obrazovaniya SSSR.

Tech. Ed.: S. Kh. Pesina; Editorial Board: N. A. Bessonov, Docent, Candidate of Physical and Mathematical Sciences (Resp. Ed.); N. V. Popova, Docent, Candidate of Physical and Mathematical Sciences; N. V. Afanas'yev, Docent, Candidate of Physical and Mathematical Sciences; and L. I. Chesnokov, Docent, Candidate of Physical and Mathematical Sciences (Resp. Ed. for this Number).

PURPOSE: This book is intended for students of the physical and mathematical sciences.

COVERAGE: This is a collection of 19 articles on mathematics, physics, and theoretical mechanics, prepared by members of the Belorusskiy politekhnicheskiy institut imeni I. V. Stalina (Belorussian Polytechnic Institute imeni I. V. Stalin) and other scientists. The mathematical material includes an analysis of problems relating to the theory of univalent functions of a complex variable, the boundary problem in the theory of vibrations, and a nomogram for the run-off of spring floods. The experimental works include studies of the electroerosion process, crystallization from melts, abrasive polishing of crystals, stress distribution in the frame of an automobile, and the elastic properties of a body during its plastic deformation. References follow the individual articles.

8. Livshits, I. M., and N. A. Turkshtovich. Simplifying the Technique of Approximate Calculation of Definite Integrals by Formulas of Numerical Quadratures 56

9. Kheynman, V. B. Nomogram for the Formula of G. N. Alekseyev for Calculating the Maximum Run-off of Spring Floods 69

10. Afanas'yev, N. V., A. M. Dashkevich, and A. K. Shukevich. On the Efficiency of the Electroerosion Process 73

11. Afanas'yev, N. V., M. B. Rzhevskiy, and V. A. Franyuk. About the Disperse Phase of Metal During High-Voltage Spark Discharge in a Gaseous Medium 82

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YURKSHTOVICH, N. [A.]

PHASE I BOOK EXPLOITATION 99

Baranovskiy, M. A.

Tekhnologiya listovoy shtampovki (Technology of Sheet Stamping) Minsk, Gos. izd-vo BSSR, 1957. 350 p. (Bibliotechka rabochego mashinostroitelya) 5,000 copies printed.

Sponsoring Agency: Belorusskoye respublikanskoye pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti.

Ed.: Yurkshtovich, N.; Tech. Ed.: Trukhanova, A.

PURPOSE: The book is intended for workers and shop foremen in sheet stamping shops. Its purpose is to contribute to the further growth of skill and knowledge of personnel and to acquaint them with advanced sheet-stamping practices.

COVERAGE: The book discusses the present status of sheet-stamping technology and the progress made in this field in the USSR and other countries. The

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processes of punching, piercing, bending, drawing, and forming, as well as cold extrusion stamping and cold plastic welding involving sheet material are described. The text is illustrated with drawings, and examples are taken from experience. Design information and design formulas for dies are also given. There are 45 references, 43 of which are Soviet, and 2 are translations of foreign material.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

LIVSHITS, I.M.; YURKSHTOVICH, N.A.

Improving the efficiency of the system for the approximate calculation of definite integrals from numerical quadrature formulas. Sbor. nauch. rab. Bel. politekh. inst. no.60:56-68 '57. (MIRA 13:2)

(Integrals)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

BARANOVSKIY, M.A., dotsent, kand.tekhn.nauk; YURKSHTOVICH, N.A., dotsent, kand.tekhn.nauk

Physicochemical theory of plasticity based on Professor S.I.Gubkin's materials. Sbor.nauch.trud.Bel.politekh.inst. no.66:117-136 '57. (MIRA 16:9)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURKSHTOVICH, N.A., dotsent, kand.tekhn.nauk

Educational role of a lecture. Sbor. metod. rab. Bel. politekh. inst. no. 1:3-9 '59. (MIRA 14:1)
(Lectures and lecturing)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

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C111/C222

16.6500

AUTHORS: Livshchits, I.M., and Yurkshtovich, P.A.

TITLE: Rationalization of the technics of the approximate calculation of definite integrals according to the formulas for numerical quadratures

PERIODICAL: Referativnyy zhurnal. Matematika, no. 2, 1960, 206, abstract 2331. (Sb. nauchn. tr. Belorussk. politekhn. in-ta, 1957 (1958), vyp 60, 56 - 68)

TEXT: This is a popularly written article in which the authors describe the simplest methods with the aid of which the calculations according to the formulas for numerical quadratures can be facilitated and accelerated. Several variants of the formulas of Chebyshev and Gauss are given. If the integrand is given graphically then for the determination of the abscissas the authors recommend the construction of auxiliary diagrams (scales with proportional measures or proportional scale lineals). The construction and application of a device which facilitates the use of the quadrature formula of Chebyshev is described exactly. It is

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C111/C222

Rationalization of the technics ...

communicated that an examination of the device has shown that the exactness of the results is completely sufficient for technical calculations. The text of the article is illustrated by diagrams.

[Abstracter's note : Complete translation.]

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

GRECHEV, M.A., kand. ekon. nauk; KLESMET, O.G., kand.ekon. nauk; TARASOV, K.S., kand. ekon. nauk; DANILEVICH, M.V., doktor ekon. nauk; YURLOV, A.F., kand.ekon. nauk; ONUFRIYEV, Yu.G.; ROMANOVA, Z.I., kand. ekon. nauk; SHEREMET'YEV, I.K., kand. ekon. nauk; SHUL'GOVSKIY, A.F., kand. istor. nauk; KALININ, A.I., kand. iurid. nauk; AVARINA, V.Ya., doktor ekon. nauk, red.; BAYKOV, V.S.,red.; KOVALEV, A.P., red.izd-va; KASHINA, P.S., tekhn. red.

[Econonomic problems of Latin American countries] Ekonomicheskie problemy stran Latinskoi Ameriki. Moskva, Izd-vo AN SSSR, 1963. 511 p. (MIRA 17:1)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V., inzh. (Kiyev)

Electrothermal heating of reinforcements in making prestressed concrete. Stroi.truboprov. 5 no.1:6-8 Ja '60. (MIRA 13:8)
(Prestressed concrete) (Electric heating)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

SOV/95-59-4-1/12

14(9)

AUTHOR: Yurlov, A.V., Engineer, (Kiyev)

TITLE: New Technology of Continuous Operation of Insulating and Pipeline Laying Processes (Novaya potochnaya tekhnologiya izolyatsionno-ukladochnykh rabot)

PERIODICAL: Stroitel'stvo truboprovodov, 1959, Nr 4, pp 1-4 (USSR)

ABSTRACT: In the new technology of pipeline laying the production-line method is being applied, in as much as the mechanized processes of cleaning, insulating, defect-detecting and laying follow in a continuous succession of operations, during which the assembled pipeline is held above the trench by 4 pipe-laying machines. After conclusion of the last operation the pipeline sinks gently by its own weight into the trench, without taking damage to the insulation from becoming scratched or torn. The team is composed as follows: 4 tractor-pipe-layer drivers, 2 insulating machine attendants, 2 mechanics for the cleaning and insulating outfits, 1 defectoscope attendant and 2 insulating workers. In case of reinforced insulation a special apparatus, the SU-1, is being employed which pours on the pipe hot bitumen, which after

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SOV/95-59-4-1/12

New Technology of Continuous Operation of Insulating and Pipeline Laying Processes

cooling forms a waterproof mastic insulation. It takes 5 attendants to handle that apparatus. Being team work, all operations must be synchronized and the machines placed at the proper distance from one another with a view to avoiding overloading in places; the article develops formulas by which the distance between machines can be determined ensuring equal distribution of load. Another calculation shows the time it takes for the pipeline to reach the bottom of the trench after insulation, which equals 15 minutes for the 720 mm pipeline and 18 minutes for the 820 mm pipeline, during which time the insulation cools down to [illegible]. At this temperature the mastic is sufficiently hard to stay unchanged under the pressure exerted by the weight of the pipeline on the ground inside the trench. The last operation, after the pipeline is in the ground, is the filling up of the trench. The article also contains a number of important

Card 2/3

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New Technology of Continuous Operation of Insulating and Pipeline Laying Processes

recommendations to be observed in applying the new technology.
There are 3 schematic diagrams, 1 graph, 2 tables and 1 photo.

Card 3/3

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V., inzh.

Serious reorganization is necessary. Stroi. truboprov. 6 no.4:3-4 Ap '61. (MIRA 14:6)

1. Trest Ukrgazneftestroy, Kiyev.
(Gas, Natural--Pipelines)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V., inzh.

First section of the "Druzhba" petroleum pipeline is finished!
Stroi.truboprov. 6 no.10:5 O '61. (MIRA 14:10)

1. Trest Ukrgazneftestroy, Kiyev.
(Petroleum--Pipelines) (Czechoslovakia--Petroleum--Pipelines)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V., inzh.

Construction of crossings on the "Druzhba" petroleum pipeline. Stroi. truboprov. 7 no.8:16-18 Ag '62. (MIRA 15:9)

1. Trest Ukrgazneftestroy, Kiyev.
(Pipelines)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V.

Problems of improving the quality of pipeline construction. Stroi. truboprov. 8 no.5:7-8 My '63. (MIRA 16:5)

1. Trest Ukrgazneftestroy, Kiyev.
(Pipelines—Design and construction)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V.

Building reinforced concrete reservoirs for the storage of oil and petroleum products in the Ukraine. Neft. i gaz. prom. no.2:64-66 Ap-Je '64. (MIRA 17:9)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V.

For the development of the chemical industry of the Ukraine.
Stroi.truboprov. 9 no.2:4-5 F '64. (MIRA 17:3)

1. Trest Ukrgazneftestroy, Kiyev.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.W.

"Druzhba" pipeline as a great school. Stroi. truboprov. 9 no.12:21-22 D '64. (MIRA 18:3)

1. Trest Ukrgazneftestroy, Kiyev.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, A.V.; MAZUR, Ye.M.

Increase responsibility for design. Stroi. truboprov. 9 no.10:20-21 O '64. (MIRA 18:7)

1. Trest Ukrgazneftestroy, Kiyev.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, K.T.

Materials on the nutrition of willow ptarmigans in Baraba and Kulunda. Trudy biol. inst. Zap.-Sib. fil. AN SSSR no.1:87-97 '56 (MLRA 10:4)

(BARABA STEPPE--PTARMIGANS) (KULUNDA STEPPE--PTARMIGANS)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

STROGANOV, S.U.; YURLOV, K.T.

Conference of Siberian zoologists. Izv. Sib. otd. AN SSSR no.1:152-154 '58. (MIRA 11:8)
(Siberia--Zoological research)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

SOV/26-58-12-23/44

AUTHOR: Yurlov, K.T., Candidate of Biological Sciences

TITLE: The Northern Deer in the West-Siberian Lowland (Severnyy olen' v zapadno-sibirskoy nizmennosti)

PERIODICAL: Priroda, 1958, Nr 12, pp 105 - 107 (USSR)

ABSTRACT: The life and habits of the wild northern deer (Rangifer tarandus L.) in West Siberia are insufficiently known. Reports by P. Stepanov, M.D. Zverev and P. Zaleskiy make it probable that the animal also lives in the southern parts of West Siberia. To obtain more evidence on this assumption, observation of the northern deer was stressed in the head count of hoofed animals in Novosibirskaya Oblast' carried out from the air by means of a PO-2 aircraft in December 1956 and January 1957. Observations across a route of 2,000 km showed that the northern deer at present live in small herds (Figure 2) in the Vasyugan and adjacent areas, slightly above 5,600 N and between approximately 7,711 and 8,237 E (Map Figure 4) in sphagnum bog and pine (Figure 1) areas. It might move southwards to the Pagney Swamp, the

Card 1/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

The Northern Deer in the West-Siberian Lowland SOV/26-58-12-23/44

area north of Lake Aryntsass and the district of Lakes Alakul' and Itkul'. There are 3 photos, 1 map and 5 Soviet references.

ASSOCIATION: Zapadno-Sibirskiy filial AN SSSR /Novosibirsk (The West-Siberian Branch of the AS USSR/Novosibirsk)

Card 2/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, K.T.

Distribution of some birds in southwestern Siberia. Ornitologiia no.2:176-179 '59. (MIRA 14:7)
(Siberia, Western--Birds)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, K.T.; ZOLOTARENKO, G.S.

Second Conference of the Zoologists of Siberia. Izv.SO AN SSSR no.8. Ser. biol.-med. nauk no.2:134-136 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, K.T.

Third All-Union Conference on the Zoogeography of Dry Lands.
Izv. SO AN SSSR no.8 Ser. biol.-med. nauk no.2:155-156 '64
(MIRA 18:1)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, M.

KARPESHIN, P. (Bryansk); YURLOV, M. (Sverdlovsk).

They fulfill their duty. Pozh.delo 3 no.5:21 My '57. (MLRA 10:7)
(Fire prevention)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, M.

YURLOV, M. (Sverdlovsk)

Anatoli Kuznetsov's bold deed. Pozh.delo 3 no.12:21 D '57. (MIRA 10:12)

(Sverdlovsk--Firemen)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, M.

This is our duty. Mest.prom.i khud.promys. 3 no.5:5 My '62. (MIRA 15:6)

1. Nachal'nik Kalininskogo oblastnogo upravleniya mestnoy promyshlennosti.
(Kalinin Province--Manufactures)
(Agriculture--Equipment and supplies)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, E.; SAMOYLOV, V., redaktor; FILIPPOVA, E., redaktor; DENISOVA, O., tekhnicheskiy redaktor.

[Forest revenue; an aid to state revenue inspectors] Lesnoi dokhod; v pomoshch' inspektoram po gosudarstvennym dokhodam. Moskva, Gosfinizdat, 1954. 127 p. [Microfilm] (MLRA 7:11)
(Forests and forestry)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YUR.[illegible], A.M.; [illegible] [illegible]. [illegible]POVICH [illegible] [illegible], N.[illegible].

Rapid execution of development workings at the No. 1/2 mine [illegible] [illegible] [illegible] combine. Ugol' 43 no.8.20-22 Ag '65. (MIRA 18.8)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, Nikolay Nikolayevich; SAMOYLOV, V., red.; TELEGINA, T., tekhn.red.

[Forest revenue; an aid to state revenue inspectors] Lesnoi dokhod; v pomoshch' inspektoram i revizoram po gosudarstvennym dokhodam. Izd.2., perer. Moskva, Gosfinizdat, 1959. 124 p. (MIRA 13:1)
(Forests and forestry)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

CHUNTYZHEV, Kh.O.; PRONIN, S.V.; LISOVSKIY, Yu.P.; MARTYNOV, V.D.; MARKARYAN, S.B.; FARIZOV, I.O.; ALEKSANDROVSKAYA, L.I.; USOV, G.A.: TIMUR, M.; YURLOV, P.F.; AFANAS'YEV, L.A., otv. red.; GARSIA, L., red.; DARONYAN, M., mladshiy red.; NOGINA, N., tekhn. red.

[Agricultural cooperation under the conditions of capitalism] Sel'skokhoziaistvennaia kooperatsiia v usloviiakh kapitalizma. Moskva, Sotsekgiz, 1963. 350 p. (MIRA 16:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.
(Agriculture, Cooperative) (Capitalism)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOV, S.N.

Geo

Meteorological Abst.
Vol. 4 No. 11
Nov. 1953
Miscellaneous
Applications

4.11-281 551.594.221

Iurlov, S. N., Chetochnaia molniia v g. Votkinske. [Beaded lightning in Votkinsk.] *Priroda*, Moscow, 40(12):44, Dec. 1951. DLC—The beaded lightning was observed on June 13, 1951 between 1835 and 2130 hours (I.M.S.T.) at Votkinsk in the Udmurt ASSR. It appeared as a curved beaded string and it broke up into numerous spheres which disappeared in different directions and became extinguished like rockets. *Subject Headings:* 1. Beaded lightning 2. Votkinsk, U.S.S.R.—*I.L.D.*

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOVA, A.N., kandidat meditsinskikh nauk

Dysentery dyndrome in typhoid and paratyphoid diseases. Zdrav.Kazakh. 16 no.8:14-18 '56. (MIRA 10:1)

1. Iz kafedry infektsionnykh bolezney (zaveduyushchiy kafedroy - professor Ye.N.Bartoshevich) Kazakhskogo gosudarstvennogo meditsinskogo instituta imeni V.M.Molotova.
(PARATYPHOID FEVER) (TYPHOID FEVER) (DYSENTERY)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

BEDYUNOVA, V.S., CHERNYSHEVA, I.G., YURLOVA, M.A.

Gas appliances for district and domestic use changed-over to operate compressed gas. Gaz.prom. 5 no.2:24-28 F '60. (MIRA 13:6)

(Gas appliances) (Liquefied petroleum gas)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOVA, M.N.

Effect of the methods of soil cultivation on the composition and abundance of soil invertebrate fauna in the reclamation of virgin steppe for crop production. Zool. zhur. 42 no.5:652-664 '63. (MIRA 16:7)

1. Department of Zoology and Darwinism, Lenin State Pedagogical Institute of Moscow.
(Belovodsk District—Soil fauna) (Tillage)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOVA, N.; MASLENNIKOV, P.

We need the Divisions of Workers' Supply. Sov. torg. 33 no.5:29 My '60. (MIRA 13:11)

1. Nachal'nik planovo-finansovogo otdela Upravleniya rabochego snabzheniya, Tula (for Yurlova). 2. Yuriskonsul't Upravleniya rabochego snabzheniya, Tula (for Maslennikov).
(Tula Province--Retail trade)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

KOLOKOL'NIKOV, L.A. (Ufa); YURLOVA, N.A. (Ufa)

Experience in the electrification of the Ufa railroad. Zhel. dor. transp. 40 no.5:14-20 My '58. (MIRA 11:6)

1.Zamestitel' nachal'nika sluzhby lokomotivnogo khozyaystva Ufimskoy dorogi (for Kolokol'nikov). 2.Nachal'nik tekhnicheskogo otdela sluzhby elektrifikatsii i energeticheskogo khozyaystva Ufimskoy dorogi (for Yurlova).

(Railroads--Electrification)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOVA, O. V., Cand of Agric Sci — (diss) "Steppe Soils of the Tuvinskaya Autonomous Oblast," Leningrad-Pushkin, 1959, 17 pp (Leningrad Agricultural Institute) (KL, 4-60, 122)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

TURLOVA, O.V.

Characteristics of soil formation in depressions of Tuva steppes. (MLA 10:11)
Pochvovedenie no.7:53-60 Jl '59.

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Tuva Autonomous Province--Soil formation)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURLOVA, YE. V.

1(3); 14(10) PHASE I BOOK EXPLOITATION SOV/2606

Voprosy rascheta elementov aviatsionnykh konstruktsiy; raschet trekhsloynykh paneley i obolochek. Sbornik statey, No. 1 (Problems in Calculating Aircraft Structural Elements; Calculating of Sandwich Panels and Shells. Collection of Articles, No. 1) Moscow, Oborongiz, 1959. 169 p. Errata slip inserted. 2,600 copies printed.

Ed.: A.Ya. Aleksandrov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: T.A. Valedinskaya; Tech. Ed.: V.F. Rozhin.

PURPOSE: This collection of articles is intended for engineers and scientific workers concerned with stress analysis of aircraft structural elements.

COVERAGE: The articles in this collection discuss problems in the structural analysis of sandwich panels with light cores, such as problems of the stability of curved panels, design of cores with consideration of transversal tension (tear-off) and the results of panel-strength tests. In addition, problems in the calculation of torsion and bending of a cylindrical shell reinforced by bulkheads are covered and the calculation of unsteady temperatures in an I-beam element is considered.

9. Nasarov, M.S., Puvarnitsyn, and Ye. V. Yurlova. Calculation of Unsteady Temperatures in an I-beam Element 142

This paper presents two methods of calculating the temperature fields in an I-beam element (representing, in this particular case, a typical part of a multilongeron wing): 1) the method of direct integration of the heat-conduction equations, and 2) the method of elementary equilibrium. Cases of symmetrical and unsymmetrical heating of such elements through the outer flange surfaces are considered as well as the case of different thicknesses of flanges. Solution of the problem is given under the assumption that physical characteristics of the material and the heat-transfer coefficients do not depend on temperature variation.

3

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

POVARNITSYN, M.S.; YURLOVA, Ye.V.

Calculating the temperature field in a plane channel with nonuniform heating of the heat-conducting walls. Inzh.-fiz. zhur. 10 no.1:120-126 Ja '66. (MIRA 19:2)

1. Submitted December 24, 1964.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

NAZAROV, N.I.; POVARNITSYN, M.S.; YURLOVA, Ye.V.

Calculating unsteady temperatures in an I-shaped element. Vop.rasch.elem.aviats.konstr. no.1:142-168 '59. (MIRA 13:6)

(Heat--Transmission)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

L 14466-66 EWT(1)/EWP(m)/EPF(n)-2/EWA(d)/FCS(k)/ETC(m)-6/EWA(1)

ACC NR

heating of the heat

SOURCE: Inzhenerno-fizicheskiy zhurnal 1966, 170-176

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

GROSHEV, G.L.; YURLOVA, Z.I.

Chlorination of kaolin in fused chlorides. Trudy po khim.i khim.tekh. no.1:81-89 '64. (MIRA 18:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

KOZLOVSKIY, A.S.; KOLODEY, A.P.; YURLOVSKIY, A.P., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TYAPKIN, B.G., redaktor izdatel'stva; KEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Construction of roofs] Ustroistvo krovel'. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 251 p. (MLRA 10:4)
(Roofs)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURMALYAT, A. P. i BETUCHEV, A. P.

25877

Ochereonye voprosy vyra stchivanniya telnat. Sov zootekhiya, 1949, No. 4, s. 31-43. Pchelovodstvo.

SO: Letopis' No. 34

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURMALIAT, A. P.

38239 YURMALIAT, A. P. and BEGUCHEV, A. P.

Zadachi massovogo opytnichestva po razdsso korov. Sov. zootekhniya, 1949, No 8, s. 40-47

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

1. YURMALYAT, A. P.

2. USSR (600)

4. Cattle

7. Popularizing the experience of leading stock raisers and drawing them into mass experimentation. Trudy VIZh 20, 1952.

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YURMALIAT, A.P.

[Hints for calf creeders] Sovety telietnitse. [Moskva] Moskovskii rabochii, 1955. 86 p. (MLRA 9:11)
(Calves)

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YUKMALIAT, A P

Q-3

USSR/Farm Animals. Small Horned Cattle

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49992

Author : ~~Yukmaliat, A.~~ Nefed'yeva, L.
Inst : -
Title : The Effects of Intensive Feeding Upon the Productivity of Cows. The Results of 19 Years of Experience (State Experimental Farm, Favreholm, Denmark).

Orig Pub : Molochn. i myasnoye zhivotnovodstvo, 1957, No 9, 57-60

Abstract : No abstract

Card : 1/1

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Country : USSR
Category : Farm Animals. Q-2
Cattle.
Abs. Jour : Ref Zhur-Biol., No 16, 1958, 74025

Author : Yurmaliat, A. P.; Nefed'yeva, L. Ye.
Institut. : -
Title : Some Experiences of Feeding Young Cattle Stock in Denmark. (A Review).

Orig Pub. : Vestn. s.-kh. nauki, 1957, No 12, 138-141

Abstract : No abstract.

Card: 1/1

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YURMALYAT, Al'fred Petrovich.; KATSHEL'SON, S.M., red.; BERLOV, A.P., tekhn. red.

[Raising young cattle; elementary problems] Vyrashchivanie molodniaka krupnogo rogatogo skota; osnovnye voprosy. Moskva, Izd-vo "Znanie," 1958. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 5, no. 30). (MIRA 11:11)
(Cattle--Feeding and feeding stuffs)

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[Development of dairy cattle breeding in the U.S.S.R.; a brief survey] Razvitie molochnogo zhivotnovodstva v SSSR (Kratkii ocherk). Moskva, Gos. izd-vo selkhoz. lit-ry, 1958. 79 p. (MIRA 11:10)
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COUNTRY : USSR

CATEGORY : Farm Animals.
Cattle.

ABS. JOUR. : RZhBiol., No. 6, 1959, No. 25828

AUTHOR : Yurmaliat, A. P.

INST. :

TITLE : Nutrition Level and Production of Experimental Dairy Cattle Herds in Denmark.

ORIG. PUB. : Zhivotnovodstvo, 1958, No 7, 78

ABSTRACT : A decrease of yearly milk yields and average quantity of milk fat occurred in the course of 6 years (1950/51-1955/56). The nutrition level expressed in average feed units annually expended per one cow remained unchanged. At the present nutrition level, the productive abilities of Denmark's dairy cattle are only utilized to 70-75 percent. The cause of Denmark's cows being insufficiently fed may be seen in poorly coordinated prices for exported butter and imported concentrates.

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LOBANOV, P.P., BREZHNEV, D.D., ROSTOVTSEV, N.F., POPOV, I.S., NIKOLAYEV, A.I., SMETNEV, S.I., BURLAKOV, N.M., ARZUMANYAN, Ye.A., BARYSHNIKOV, P.A., BELYAYEV, N.M., BLOMKVIST, M.S., BORISENKO, Ye.Ya., BURDELEV, T.P., BYCHKOV, N.P., VSYAKIKH, A.S., DAVIDOV, R.B., KUDRYAVTSEV, P.N., KUSHNER, Kh.F., LEVANTIN, D.L., NOVIKOV, Ye.A., OZEROV, A.V., STARTSEV, D.I., SUKHANOV, N.P., SHVABE, A.K., YURMALIAT, A.P., [Jurmalietis, A.P.].

In memory of Academician Efim Fedotovich Liskun. Zhivotnovodstvo 20 no. 7:84-85 Jl '58.
(Liskun, Efim Fedotovich, 1873-1958)

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YURMALIAT, A.P. [Jurmalietis, A.F.], kand.sel'skokhozyaystvennykh nauk

Popular school of scientific practices. Zhivotnovodstvo 21 no.6: 86-88 Je '59. (MIRA 12:8)

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(Agriculture--Experimentation)

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YURMALIAT, Al'fred Petrovich, zas. zootekhnik; NECHIPORUK, L.P., red.; GOR'KOVA, Z.D., tekhn. red.

[Raising young cattle] Vyrashchivanie molodniaka krupnogo rogatogo skota. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1961. 150 p. (MIRA 15:3)

(Cattle)

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Verzilova, O.V. and Yurman, M.N. "On the significance of the sympathetic nervous system in subordination in warm-blooded animals", in the collection: Subordinatsiya v nervnoy sisteme i znacheniye v fiziologii i patologii Moscow, 1948, p. 72-76

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YURMANOV, B.N., kand. tekhn. nauk; USHAKOV, N.N., inzh.; TROYNIN, M.F., inzh., nauchnyy red.; PETRENKO, N.P., red.izd-va; VORONETSKAYA, L.V., tekhn. red.

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(Construction industry—Equipment and supplies)

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USPENSKAYA, L.B.; YURMANOV, B.N.

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Portable hygrometer. Priborostroenie no.10:29 O '62.
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YURMANOV, B. N.

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[Hoods equipped with a ventilation system for the convection drying of paper] Kolpaki s ventiliatsionnym oborudovaniem dlia konvektsionnoi sushki bumagi. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issl. po lesnoi, bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1963. 34 p. (MIRA 17:3)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut po proyektirovaniyu oborudovaniya dlya tsellyulozno-bumazhnoy promyshlennosti (for Zlotnitskiy, Lotvinov). 2. Leningradskiy inzhenerno-stroitel'nyy institut (for Yurmanov).

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LOTVINOV, M.D.; YURMANOV, B.N.; KUZAKOV, V.G.

Blowing through of felts with hot air blowers using felt-dryer rolls. Bumagodel. mash. no.12:100-111 '64. (MIRA 17:11)

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ZUSMAN, L.I.; BRODOV, A.A.; GORSHKOVA, L.P.; YURMANOV, F.N. [deceased]

Economy of the production and consumption of low-manganese cast iron. Sbor. trud. TSNIICHM no.45:115-124 '65. (MIRA 18:9)

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YURANOV, V.A., aspirant

Investigating the process of hole drilling with manual drills. Izv. vys. ucheb. zav.; mashinostr. no.9:170-177 '64. (MIRA 17:12)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche imeni N.E. Baumana.

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TARANOV, Petr Yakovlevich, KHANUKAYEV, A.N., prof., retsenzent; BUBOK, V.K., retsenzent; BOROVIKOV, V.A., retsenzent; KARPUNOV, Ye.G., retsenzent; MISNIK, Yu.M., retsenzent; SMIRNOV, N.A., retsenzent; RAZAMAT, V.V., retsenzent; SAVRASOV, L.M., retsenzent; YURMANOV, Yu.A., retsenzent; BABICHEV, N.S., retsenzent

[Blasting operations] Burovzryvnye raboty. Izd.2. Moskva, Nedra, 1964. 253 p. (MIRA 18:7)

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ROZHDESTVENSKIY, O.A.; YUMANOVA, M.K.

Letter to the editor. Stomatologiia 42 no.2:106 Mr-Ap'63 (MIRA 17:3)

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YUROCHKIN, M.; NAZARENKO, L., red.; NAGIBIN, P., tekhn. red.

[Cattle fattening at surface silos] Otkorm skota u siloszykh burtov. Alma-Ata, Kazsel'khozgiz, 1962. 26 non. in 1 vol. (MIRA 17:1)
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IDES, P.M.; YUROV, S.I.

Angular measurement in triangulation with long sides. Geod.i kart. no.4:16-19 Ap '62. (MIRA 15:12)
(Triangulation)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

YURMANOV, F N

18

Apparatus for treating molten iron with liquid magnesium. F. N. Yurmanov. U.S.S.R. 104,406, Dec. 25, 1955. The [illegible] submersible in the molten Fe is provided with a conical closure having longitudinal channels and rotated by a servo motor. This arrangement permits feeding the Mg in a fanlike stream. M. Hosch

18

1/3 (4E2c)

BB MT

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220001-7

S/193/61/000/002/001/009
A005/A004

AUTHORS: Yurmanov, F.N., Mkrtchan, L.S.

TITLE: Desulfurization of Pig Iron Outside the Blast Furnace

PERIODICAL: Byul. tekhn.-ekon. inform., 1961, No. 2, pp. 3 - 6

TEXT: The introduction of desulfurization of pig iron outside the blast furnace makes it possible to apply the slag ratio CaO : SiO_2 = 0.8 - 1.0, which decreases the coke consumption by 10-15% and increases the productivity by 12-18%; moreover, it increases the life of the blast furnace lining; widens the assortment of the coking coals, makes it possible to exclude green limestone from the charge, to decrease the fluxing degree of the agglomerate, which stiputates the enrichment of the latter with iron, to increase the efficiency of the steel-smelting equipment when producing low-sulfurous pig iron and to increase the metal quality. As reagents lime and metallic magnesium are used in the desulfurization of pig iron. Since 1948, metallic magnesium has been employed for the modification and desulfurization of cast iron; magnesium can be added to the molten cast iron in a solid and liquid state and reacts in a vaporous state with the sulfur, according to the reaction:

$$FeS + Mg_{vap} = MgS_{sol} + Fe.$$

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S/193/61/000/002/001/009
A005/A004

Desulfurization of Pig Iron Outside the Blast Furnace

MgS is insoluble in pig iron and floats to the surface after being formed. At a pig iron temperature of 1,350°C, the vapor tension of Mg attains 6.3 atg, and, therefore, the required total amount of Mg should be added in small individual portions because the greater part of it (about 80%) emerges to the surface and burns in the atmospheric air. The rate of adding Mg should not be larger than 200 g per second in continuous or discontinuous doses; for this purpose, the desulfurizing installation was developed, which is illustrated by the Figures 1 and 2. Figure 1 shows the layout of the experimental installation consisting of: desulfurization section 1 with three melting and blowing apparatus and heating pits 2 making it possible to desulfurize the pig iron outside the furnace in the ladle cars 3 with covers 4 by liquid magnesium. The installation is equipped with crane 5. The Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute of Ferrous Metallurgy) in collaboration with the Plant im. Dzerzhinskiy carried out the tests which showed the possibility to add Mg without danger. The quantity of Mg added to the pig iron can be adjusted within wide limits. The purification degree is very high (up to traces only); the Mg-consumption is comparatively low and amounts to about 1 kg Mg per 1 kg

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eliminated sulfur. With this method the utilization factor of Mg attains 95%. The purification of 80 t cast iron takes about 5 minutes. There is no saturation of the surrounding atmosphere by noxious contaminations and no slag formation corroding the fettling of the apparatus. When Mg-treated pig iron is blown through in Bassemer converters, the process is taking place without reduction of sulfur from the slag being formed. The following pig iron grades were subjected to the desulfurization process: Martin steel with 0.05-0.15% sulfur content and Bessemer steel with 0.03-0.08% sulfur content. The table presented shows the most characteristic results:

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