"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, N. V.

42419. Novyye Konnaya N traktornyye syenokosilki. Sel'knozmashina, 1948, No. 11 S. 12-18.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, N.V.

Agricultural Machinery

Hanging attachments for tractor KhT3-7. Part 3: Hanging rake VNK-3, C, Sel'khozmashina, No. 1, 1952.

Monthly list of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, N.V.

The KVM-5 windrowing mower. Sel'khozmashina no.1:3-7 Ja'55. (MLRA 8:3)

1. Starshiy inzhener SKB pri zavode imeni Ukhtomskogo.
(Mowing machines)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, N.V., inzhener.

The VT-0,7 tractor-mounted sweep rake. Sel'khozmashina no.3:7-9 Mr '55. (MIRA 8:4)

1. Zavod im. Ukhtomskogo.
(Harvesting machinery)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, P., doktor tekhn.nauk, prof.

Polymers form an engineering mystery. Izobr.i rats. no.1:5-7 '64. (MIRA 17:4)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV P. N.

ХИМИКО-КАТАЛИТИЧЕСКИЙ МЕТОД
ОКУСКОВАНИЯ ТОНКОИЗМЕЛЬЧЕННЫХ ШИХТОВЫХ
МАТЕРИАЛОВ

П. Н. Мелентьев, П. Н. Мелентьев, А. В. Свирнус

VIII Mendeleyev Congress for General and Applied Chemistry in
Section of Chemistry and Chemical Technology of Fuels,
publ. by Acad. Sci. USSR, Moscow 1959

abstracts of reports scheduled to be presented at above mentioned congress,
Moscow, 13 March 1959.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENTYEV, P.N.

BARDIN, I.P.; GESS-DE-KALIVE, B.A.; KARAVETS, P.I.; MELENTYEV, P.N.; VAVILOV, N.S.

Vosstanovlenie rudno-toplivnykh granul vo vsvechenno-fontaniruyushchem sloe s tselyyu polucheniya gubchatogo zheleza.

report submitted for the 5th Physical Chemical Conference on Steel Production.

Moscow _ 30 Jun 1958

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

BARDIN, I.P.[deceased]; VAVLOV, N.S.(Moskva); GESS-DE-KAL'VE, B.A. (Moskva); DIYEV, V.Ye.(Moskva); YEMEL'YANOV, V.I.(Moskva); KANAVETS, P.I.(Moskva); MELENT'YEV, P.N.(Moskva); RUMAKINA, M.A. (Moskva); TSYLEV, L.M.(Moskva).

Reduction roasting of iron in ore-fuel granules in a fludized bed with fountain effect. Izv. AN SSSR. Otd.tekh.nauk. Met.i topl. no.5:13-18 S-O '60. (MIRA 13:11)
(Ore dressing) (Fluidization)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, P.N.

128

PHASE I BOOK EXPLOITATION SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye (Synthetic Zeolites: Production, Investigation, and Use). Moscow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady) Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor of Chemical Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P. Golub'.

PURPOSE: This book is intended for scientists and engineers engaged in the production of synthetic zeolites (molecular sieves), and for chemists in general.

Card 1/19

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

Synthetic Zeolites: (Cont.) SOV/6246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensovet, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

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Dubinin, M. M. Introduction 5

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

Synthetic Zeolites: (Cont.) SOV/6246

Belotserkovskiy, G. M., K. G. Ione, and T. G. Plachenov. Production of Granular Synthetic Zeolites and Study of Their Porous Structure 174

Plachenov, T. G., G. M. Belotserkovskiy, V. F., Karel'skaya, B. A. Lipkind, and L. I. Piguzova. Investigation of the Secondary Porous Structure of Synthetic Zeolites and Their Drying Properties 182

Lipkind, B. A., V. A. Burylov, S. V. Kapatsinskiy, and A. T. Slepneva. Granulation of a Synthetic Zeolite Desiccant 191

Kanavets, P. I., A. E. Sporius, P. N. Melant'yev, A. I. Kazun, O. A. Bokuchava, V. I. Chernykh, and L. B. Khandros. Production of Strong Spherical Granules of Crystalline Zeolite Powders 195

Card 8/12 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KAZAKOV, Ye. I.; MELENT'YEV, P. N.

Catalytic pyrolysis of pulverized fuels under hydrogen pressure. Trudy IGI 17:43-46 '62. (MIRA 15:10)

(Fuel) (Pyrolysis) (Hydrogen)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KAZAKOV, Ye. I.; KARPOVA, N. F.; MELENT'YEV, P. N.; CHEPIK, A. Ya.; Prinimal uchastiye: CHURSIN, P. M.

Composition of tars obtained in the pyrolysis of brown coals in a fluidized bed. Trudy IGI 17:152-156 '62. (MIRA 15:10)

(Coal-tar products) (Fluidization)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KANAVETS, P.I.; GESS, B.A.; MELENT'YEV, P.N.; CHERNYSHEV, A.M.; CHERNYKH, V.I.; SPORIUS, A.E.

Method of chemical catalysis for nodulizing finely ground materials without sintering. Trudy IGI 22:5-30 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

CHERNYSHEV, A.M.; GESS, B.A.; KANAVETS, P.I.; MELENT'YEV, P.N.; KISELEV, G.P.; TSYLEV, L.M.; BORISOV, Yu.I.; CHERNYKH, V.I.

Metallurgical properties of granules prepared by the method of chemical catalysis. Trudy IGI 22:39-49 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KANAVETS, P.I.; GESS, B.A.; SPORIUS, A.E.; MELENT'YEV, P.N.; CHERNYSHEV, A.M.; CHERNYKH, V.I.; KHAYLOV, B.S.; BORISOV, Yu.I.

Experimental pilot plant stand for the nodulizing of finely ground materials by the method of chemical catalysis. Trudy IGI 22:57-69 '63. (MIRA 16:11)

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KANAVETS, P.I.; GESS, B.A.; SPORIUS, A.E.; CHERNYSHEV, A.M.; MELENT'YEV, P.N.; CHERNYKH, V.I.; KHROMYAK, R.P.; KHAYLOV, B.S.; BORISOV, Yu.I.; TSYLEV, L.M.; SOKOLOV, V.S.; Prinimali uchastiye: MARKIN, A.A.; GORLOV, M.Ya.; VORONOV, Yu.G.; BULAKHOV, K.A.; KREMYANSKIY, V.L.; ARSHINOV, G.P.; MAZUN, A.E.; PISARNITSKIY, I.M.; BOKUCHAVA, O.A.; KIRILLOV, M.V.; TSELUYKO, P.I.; POLYAKOV, G.O.; REZKOV, A.S.; ZHUCHKOV, M.I.; ROMASHKIN, A.S.; ZUBKOV, A.S.; KOZLOV, N.N.

Pilot plant for the nodulizing of finely ground charge mixtures by the method of chemical catalysis. Trudy IGI 22: 93-109 '63. (MIRA 16:11)

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KANAVETS, P.I.; MELENT'YEV, P.N.; CHERNYKH, V.I.; GESS, B.A.; SPORIUS, A.E.; CHERNYSHEV, A.M.

Using chemical catalysis for nodulizing charge mixtures composed of various raw materials. Trudy IGI 22:114-125 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

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GESS, B.A.; KANAVETS, P.I.; VAVILOV, N.S.; MELENT'YEV, P.N.

Investigating the reduction of iron in carbonaceous ore granules. Trudy IGI 22:126-130 '63. (MIRA 16:11)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KANAVETS, P.I.; CHIBISOVA, K.I.; CHERNYKH, V.I.; MELENT'YEV, P.N.

Thermographic investigation of coal granules for the purpose of studying their behavior during thermal decomposition. Trudy IGI 22:136-146 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KANAVETS, P.I.; MELENT'YEV, P.N.; SPORIUS, A.E.; CHERNYKH, V.I.; YENIK, G.I.; IVLEVA, A.S.

Technological characteristics of granulating coal charges. Trudy IGI 22:147-153 '63. (MIRA 16:11)

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KANAVETS, P.I.; MELENT'YEV, P.N.; YENIK, G.I.; IVLEVA, A.S.; LAZOVSKIY, I.M.; GRYAZNOV, N.S.; MOCHALOVA, G.V.; KORENSKIY, V.I.

Preliminary granulating of coal charges with rolling in mazut. Koks i khim. no.8:10-14 '63. (MIRA 16:9)

1. Institut goryuchikh iskopayemykh AN SSSR (for Kanavets, Melent'yev, Yenik, Ivleva). 2. Vostochnyy uglekhimicheskiy institut (for Lazovskiy, Gryaznov, Mochalova, Korenskiy).
(Coal preparation)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

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GESS, B.A.; CHERNYSHEV, A.M.; KANAVETS, P.I.; MELENT'YEV, P.N.; KHROMYAK, R.P.; VORONOV, Yu.G.; TSYLEV, L.M.; CHERNYKH, V.I.; BORISOV, Yu.I.; SPORIUS, A.E.; Prinimali uchastiye: TOLEROV, D.D.; MINKIN, V.M.; MARKIN, A.A.; GORLOV, M.Ya.; KHAYLOV, B.S.

Experimental blast furnace smelting with replacement in the charge of 20-per cent of the fluxed sinter by granules prepared by chemical catalysis. Trudy IGI 22:110-113 '63. (MIRA 16:11)

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Obtaining metallurgical coke from weakly-caking coals by the preliminary granulation of coal charge mixtures prior to coking. Trudy IGI 22:154-168 '63. (MIRA 16:11)

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Testing granules made by the method of chemical catalysis in a laboratory shaft furnace. Trudy IGI 22:70-78 '63. (MIRA 16:11)

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MELENTYEV, P.V.

Priblizhennoye chislennoye integrirovaniye obyknovennykh differentsial'nykh uravneniy
L., Zh., Russk. Fiz.-Khim. o-va, chast' fiz., 62:3 (1930), 267-280.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.,
Markushevich, A.I.,
Rashevskiy, P.K.
Moscow-Leningrad, 1948

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MELENTYEV, P.V. Continued

Priblizhennoye resheniye integral'nykh uravneniy. L., Trudy vtorogo Vsesoyuzn. matem. s"ezda, t. (1936), 409-410.
Neskol'ko novykh metodov i priemov priblizhennykh vychisleniy. L.-M., Onti (1937), 1-48
Eksperimental'nyy metod postoryeniya liniy toka ploskogo potentsial'nogo potoka. L., (1939).
Metodika rascheta lopastey gidroturbomashin. M-L., Izd. AN. (1939).

SO: Mathematics in the USSR, 1917-1947
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Markushevich, A.I.,
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Moscow-Leningrad, 1948

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, P.V.

Melent'ev, P. V. On the solution of equations of high degree. Akad. Nauk SSSR. Prikl. Mat. Meh. 12, 215–218 (1948). (Russian)

L'auteur donne une méthode pour le calcul numérique des racines imaginaires de l'équation

$$(1) \qquad F(z)=z^{2n}+A_1z^{2n-1}+A_2z^{2n-2}+\cdots+A_{2n}=0$$

à coefficients réels. Soit $\alpha_0+i\beta_0$ une telle racine, $\beta_0 i$ sera racine de l'équation $\phi(\zeta)=F(\zeta+\alpha_0)=\zeta^{2n}+B_1\zeta^{2n-1}+\cdots+B_{2n}=0$, et $-\beta_0^2=u_0$ sera racine commune des équations

$$P_n(u)=u^n+B_2u^{n-1}+B_4u^{n-2}+\cdots+B_{2n}=0,$$

$$P_{n-1}(u)=B_1u^{n-1}+B_3u^{n-2}+\cdots+B_{2n-1}=0.$$

Supposons que la racine $\alpha_0+i\beta_0$ soit simple. En effectuant sur $P_n(u)$ et $P_{n-1}(u)$ l'opération du plus grand commun diviseur, désignons par $P_{n-2}(u),\cdots,P_1(u),P_0$ les restes obtenus. Alors P_0 dépend seulement de α et on trouve de l'équation $P_0=0$ une valeur approchée de α_0. De l'équation $P_1(u)=r_1u+r_2=0$ on tire alors la valeur approchée de u_0, en supposant que α_0 est une racine simple de $P_0=0$. L'auteur donne une exemple numérique et des indications pour le cas où (1) a des racines multiples. *N. Obrechkoff.*

Source: Mathematical Reviews, Vol 9 No 10

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, P.V.

[Atlas of nomograms for computing the age of rock by radioactive methods]Atlas nomogramm dlia vychisleniia vozrasta porod radioaktivnymi metodami. [Moskva] Izd-vo Akademii nauk SSSR, 1955. 8 p., 7 fold. l. (MLRA 9:7)

(Geological time) (Radiocarbon dating)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, Pavel Vladimirovich; SAMOKISH, B.A., red.; ROZENGAUZ, N.M., red.; LUK'YANOV, A.A., tekhn. red.

[Approximate computation] Priblizhennye vychisleniia. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 388 p. (MIRA 15:3)

(Approximate computation)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

L 08471-67 EWP(j)/EWT(m) IJP(c) RM/WW

ACC NR: AR6016475 SOURCE CODE: UR/0124/65/000/012/V096/V097

AUTHOR: Melent'yev, P. V.; Znamenskaya, Ye. A.; Pilipenok, D. A.; Stalevich, A. M.; Petryayev, S. V.

34
33
B

TITLE: Deformation properties of polymer materials

SOURCE: Ref. zh. Mekhanika, Abs. 12V829

REF SOURCE: Tr. N.-i. proyektno-konstrukt. in-ta tekhnol. mashinostr., no. 1, 1965, 75-95

TOPIC TAGS: material deformation, polymer physical property, metal deformation, polyethylene plastic

ABSTRACT: The authors point out differences between the deformation properties of polymer materials and metals. The following empirical formula is proposed for curves describing creep in polymers under constant stresses:

$$\varepsilon = a + bt^{0.15}$$

where ε is deformation, t is time and a and b are the curve parameters. These parameters are linear functions of stress; at low temperatures T the curve parameters vary fairly smoothly as T is raised, but after T reaches some critical value (e. g. 40°C for high-pressure polyethylene) a and b increase sharply with the application of

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L 08471-67

ACC NR: AR6016475

heat. An attempt is made to establish a correlation between hardness H_B and the initial modulus E_0. The effect which the molecular weight M of polyethylenes has on the characteristics of E_0 and H_B was studied in the range $M=5\cdot10^4-9\cdot10^5$. It was found in contrast to previous data (see Alfrey, T., "Mechanical Properties of High Polymers", Moscow, Izd-vo in. lit., 1962) that rigidity has a maximum in the region of moderate M. The authors suggest the use of the thermoelastic effect (more precisely, the Joule effect) for determining the initial modulus. In conclusion, data are given on the relaxation properties of various fibers. Bibliography of 10 titles. N. I. Malinin. [Translation of abstract]

SUB CODE: 11, 20

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

L 13625-66 EWT(d)/EWT(m)/EWP(v)/EWP(j)/T/EWP(k)/EWP(h)/EWP(1)/ETC(m)

ACC NR: AP6001002 SOURCE CODE: UR/0286/65/000/022/0070/0070

AUTHORS: Bogdanov, A. M.; Kulin, F. I.; Melent'yev, P. V.; Stalevich, A. M.; Tiranov, V. G.

ORG: none

TITLE: Device for mechanical testing of materials. Class 42, No. 176448

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 70

TOPIC TAGS: tensile test, polymer rheology

ABSTRACT: This Author Certificate presents a device for mechanical testing of materials, e.g., polymers, for extensibility. The device contains a system of two clamps for fastening the material sample. One clamp is fixed and is mechanically coupled to the force-measuring instrument. The other clamp is movable in the vertical direction, applies the load to the stretching sample, and is connected to a device for measuring the sample deformation. To automate the process of deformation measurement, the movable clamp is provided with a contact device and a support for free placing of the load on the stretching sample. The contact device in the form of a nut on the screw axle of an electric motor closes the motor circuit when the nut touches the load descending as a result of the sample stretching. The force-measuring element of the device, in the form of an elastic beam, bends under the action of the

UDC: 620.72

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

L 13625-66

ACC NR: AP6001002

0

force applied to the upper clamp of the device. A switch on the free end of the beam closes with a contact fastened to a nut placed on the screw axle of an electric motor. When the circuit is closed, motion of the nut mounted on the motor axle continues until the contact is broken.

SUB CODE: 11/ SUBM DATE: 06Apr64

Card 2/2 jw

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

L 42965-66 EWT(m)/EWT(j)/T IJP(c) WW/RM

ACC NR: AR6024997 SOURCE CODE: UR/0081/66/000/007/S093/S093

AUTHOR: Kelent'yev, P. V.; Znamenskaya, Ye. A.; Pilipenok, D. A.; Stalevich, A. M.; Petryayev, S. V.

54

B

TITLE: Deformation properties of polymeric materials

SOURCE: Ref. zh. Khimiya, Part II, Abs. 7S621

REF SOURCE: Tr. N.-i. proyektno-konstrukt. in-ta tekhnol. mashinostr., no. 1, 1965, 75-95

TOPIC TAGS: thermosetting material, thermoplastic material, polymer rheology, thermoelasticity, elastic modulus, thermal expansion

ABSTRACT: Thermosetting and thermoplastic polymers in the range of small deformations were tested, and their physicomechanical characteristics were treated mathematically. The following quantities were determined: thermal extension of polyolefins, dependence of Brinell hardness on the elastic modulus and molecular weight, initial elastic modulus from the thermoelastic effect, and relationship between the latter and the coefficient of linear thermal expansion. The elastic properties of PVA fibers were studied at ~20°. On the basis of the experimental data, a nomogram of the thermoelastic properties of thermoplastic polymers was constructed which enables one to find the relationship between the initial elastic modulus, the coefficient of linear thermal expansion, and the thermoelastic coefficient. Z. Ivanova. [Translation of abstract]

SUB CODE: 11

Card 1/1

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KABACHNIK, M.I.; VOYEVODSKIY, V.V.; MASTRYUKOVA, T.A.; SOLODNIKOV, S.P.; MELENT'YEVA, T.A.

Conjugation in the systems involving a tetrahedral atom. Electron paramagnetic resonance spectra of some organophosphorus compounds. Zhur. ob. khim. 34 no.10:3234-3240 O '64.

(MIRA 17:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR i Institut khimicheskoy fiziki AN SSSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV. V. A., POPOV, A. F.

Muskrats

Regular tasks of state muskrat enterprises. Kar. i zver., 5, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

BELYAYEV, Vladimir Nikolayevich; MELENT'YEV, V.A., redaktor; FEDOSOVA, N.I., redaktor; GOLUBKOVA, L.A., tekhnicheskiy redaktor

[Balkhash Muskrat farm] Balkhashskoe ondatrovoe promyslovoe khoziaistvo. Pod red. V.A.Melent'eva. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1956. 19 p. (MLRA 9:10)
(Balkhash Province--Muskrats)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V. A.

PA 247T56

USSR/Engineering - Construction, Dams Aug 52

"Results of Experimental Hydraulic Fill Using Gravel Materials," V. A. Melent'yev, Cand Tech Sci

Gidrotekh Stroi, No 8, pp 6-9

Establishes possibility of using gravel sands for erection of dams by hydraulic fill method, despite certain difficulties due to intensive wear of equipment and pipes. Major advantage of using gravel sands is their natural distribution in conformity with design requirements on the cross section of dams with respect to stability of slopes and imperviousness of the structure.

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APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.A., kand.tekhn.nauk

Experimental investigation of above-water inwash of soil.
Izv.VNIIG 48:128-144 '52. (MIRA 12:5)
(Hydraulic engineering)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

ZHILKOV, L.G. [author]; MELENT'YEV, V.A., kandidat tekhnicheskikh nauk [reviewer].

Remarks on L.G.Zhilkov's article "Hydraulic separation of soils is the basis of intensive construction work." V.A. Melent'yev. Gidr.i mel. 5 no.9:62-64 S '53. (MLRA 6:9)

(Hydraulic engineering)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.A., kandidat tekhnicheskikh nauk.

Earth and clay fill dams. Gidr.stroi. 22 no.10:5-7 O '53. (MLRA 6:10)
(Dams)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

15-57-1-1037

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1, p 166 (USSR)

AUTHOR: Melent'yev, V. A.

TITLE: The Fractional Distribution of Sands in Soils During Above-Water Deposition (Fraktsionirovaniye peschanykh gruntov pri nadvodnom namyve)

PERIODICAL: Izv. Vses. n.-i. in-ta gidrotekhn. 1954, Vol 54, pp 140-150

ABSTRACT: The author reports on a method of calculating the fractional separation by size in a depositional arrangement developed by the Laboratory of Hydromechanics of the All-Union Scientific Research Institute of Hydraulic Engineering. There is a brief description of the fractional separation of sandy soil from a stream of pulp moving down a steep depositional slope, depending on the coarseness of the soil, the

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15-57-1-1037

The Fractional Distribution of Sands (Cont.)

steepness of the slope, the specific delivery and concentration of the pulp, the technical properties of the arrangement, etc. The author gives a fractional analysis of sandy soil for average conditions of deposition (average grain-size distribution, average concentration and specific delivery of pulp). Making a number of assumptions and using several formulas known in hydraulics, the author computes an equation for fractional distribution in the following form:

$$d(x) = \psi(x)[d_o(x) - BS\underline{x}],$$

where $\psi(x) = \left(\frac{L}{L - x}\right)^{Z(n-1)}$ is the "profile function"; L is the horizontal distance from the cutoff of the settling pond to the highest point of deposition (at the site of the rift in the pulp); $\underline{n}$ is an index depending on grain size distribution in the soil and on the concentration and specific delivery of pulp; $\underline{x}$ is the abscissa of the surface profile of the deopsitional slope; S is the settling rate of the alluvium (constant value); B is a summated constant

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

15-57-1-1037

The Fractional Distribution of Sands (Cont.)

value, uniting the other constant values (coefficient of resistance, slope of alluvium, specific gravity of the water, bulk weight of the deposited soil, etc.). For industrial and experimental deposition, in view of the small value of the second member of the equation, it is recommended that the abbreviated form be used for practical calculations: $d(x) = \psi(x)\, d_0(x)$. In calculating the fractionation by the abbreviated equation, it is necessary only to assign preliminary values to the index n and to initial (d_0) or final (d_k) coarseness of the soil. The author has constructed tables to facilitate the computation. These show the corresponding relations for different values of d, n, x, and L. The paper concludes with examples of calculations of fractionation of the soil according to slope.

Card 3/3 P. I. F.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

Melent'yev, V. A.

AID P - 3996

Subject : USSR/Hydr. Eng.

Card 1/1 Pub. 35 - 3/18

Authors : Iorish, E. L. and V. A. Melent'yev, Kand. Tech. Sci. and A. S. Gorokhov, Eng.

Title : Damming up of the Dnepr River at the Dubossary Hydro Power Plant Construction in 1954.

Periodical : Gidro. stroi., 8, 9-13, 1955

Abstract : The earth fill method of construction is reported in detail and strongly recommended. Three figures. Five Russian references, 1941-1954, 2 English, 1952-1953.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MATKOVSKIY, A.N.; MELENT'YEV, V.A.; STARIKOV, P.Ya.

Change in the system of drawing off condensate from granulation towers. Khim.prom. no.8:483 D '55. (MLRA 9:5)
(Ammonium nitrate) (Chemical engineering--Apparatus and supplies)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

SOV/124-57-9-10638

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 9, p 114 (USSR)

AUTHOR: Melent'yev, V. A.

TITLE: Fractionation of Sandy Soils During Their Above-waterline Deposition (Fraktsionirovaniye peschanykh gruntov pri nadvodnom namyve)

PERIODICAL: Izv. Vses. n.-i. in-ta gidrotekhn., 1955, Vol 54, pp 140-150

ABSTRACT: The article is devoted to the presentation of a method for the calculation of the hydraulic distribution of soil during its deposition. The starting point for this computation is the equation of the balance of solid-particle discharge rate in a two-dimensional current, as published by Ye. A. Gavrashenko (Gidrotekhn. str-vo, 1950, Nr 5, 142)

$$\frac{\partial q_T}{\partial x} = -\gamma_0 \frac{\partial y}{\partial t} \qquad (1)$$

where q_T is the discharge rate of the solids expressed in units of weight; γ_0, the volumetric weight density of the soil deposits; x and y, the contour coordinates of the surface of the slope receiving the deposition, and t, the time. The q_T in this formula is assigned a value in accordance with the approximate formula by I. I. Levi

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

SOV/124-57-9-10638

Fractionation of Sandy Soils During Their Above-waterline Deposition

[Dinamika ruslovykh potokov (The Dynamics of Open-channel Flows) Gosenergoizdat, 1948]; the local slope i is replaced by an expression obtained by means of differentiating with respect to x the equation of the surface of the slope receiving the deposit, viz.,

$$y = I_{mean} \frac{(L-x)^n}{L^{n-1}} \qquad (I_{mean} = \frac{H}{L}) \qquad (2)$$

where H is the height by which the level of the soil deposited near the point at which the hydraulic fill is discharged exceeds the water level in the reservoir; L is the horizontal distance from the ordinate axis to the waterline; the coefficient n depends on the granulometric composition of the soil and the consistency and specific discharge rate of the hydraulic fill. The rate of deposition of a given soil layer S, the discharge rate of the liquid constituent q_b, and the value γ_0 are considered constants by the author, the final equation being of the following form:

$$\phi(x) = \psi(x)\,\phi_0(x) \qquad (\psi(x) = (\frac{L}{L-x})^{2(n-1)}, \quad \phi(x) = \frac{g^2 d^2}{u^4}) \qquad (3)$$

where $\phi(x)$ is a dimensionless parameter; ψ, the profile function of the slope; g, the acceleration due to gravity; d, the mean geometric particle size; u, the mean

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SOV/124-57-9-10638

Fractionation of Sandy Soils During Their Above-waterline Deposition

hydraulic size of the particles; and $\phi_0(x) = \phi(x = 0)$. The relationship may also be represented in another form:

$$\phi(x) = \psi(x)\ 0.1^{2(n-1)}\ \phi_k(x) \qquad (4)$$

The symbols employed in this formula are the same, with the exception of $\phi_k(x)$ which is equivalent to $\phi(x)$ when x is approaching L but is not equal to it (e.g., 0.9 L). The article also includes tables of $\phi(x)$ for values of d and $\psi(x)$ ranging from 0.05 to 2.0 mm and from 1.33 to 2.0, respectively. On the strength of investigations performed by the VNIIG (All-Union Scientific Research Institute of Hydro-Engineering) and on the basis of his own calculations, the author recommends that the expressions obtained be employed only if the rates of deposition of soil do not exceed 1 m/day. The selection of either expression is determined by the prescribed values of the $\phi(x)$ (either initial or final). In order to calculate the fractionation of soils throughout the transverse section of a structure, it is necessary that a number of deposition slopes be erected, and that the distribution of the soil be calculated for each of these banks. Three sample computations based upon the methods described are presented in the concluding part of the article.

N. V. Danil'chenko

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.A., kandidat tekhnicheskikh nauk.

Volumetric weight of the soil skeleton of hydraulic fill dams. Gidr. stroi. 25 no.7:36-40 Ag '56. (MLRA 9:10)

(Dams)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.A.

MELENT'YEV, V.A., kandidat tekhnicheskikh nauk; ZADVORNYY, G.M., inzhener; YEROFEYEV, V.V., inzhener.

Effect of moisture on results obtained in determining the volumetric weight of wet sand skeletons. Gidr. strei. 26 no.3:36-39 Mr '57.
(Sand) (Soil mechnaics) (MLRA 10:4)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.A., starshiy nauchnyy sotrudnik, kand.tekhn.nauk;
FILONENKO, K.I., insh.

Thermal investigation of situ of hydraulic mechanization of earthwork in winter. Izv. VNIIG 60:68-88 '58.
(MIRA 13:6)

(Hydraulic engineering--Low temperature conditions)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.A., starshiy nauchnyy sotrudnik, kand.tekhn.nauk

Size distribution of sand and gravelly-sand particles in hydraulic-fill construction. Izv.VNIIG 61:167-180 '58. (MIRA 13:6)

(Hydraulic engineering)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

10(4)

AUTHOR: Rozinoer, S.T., Chairman SOV/98-59-7-21/22

TITLE: Conference on Scientific Research in the Field of Hydromechanics

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 7, pp 62-65 (USSR)

ABSTRACT: The article is a chronicle of the above-named conference, which was held in Moscow from April 15-17, 1959, on the initiative of the coordinatory commission for hydromechanization in the Council for Hydraulic Affairs of the Academy of Sciences of the USSR. The All-Union MSES Hydromechanization Trust, the Mining Institute of the Academy of Sciences of the USSR and the Moscow oblast board of the Technological Department of the construction industry also participated in the organization of the conference, which was attended by more than 400 representatives of 149 organizations, including the Office of State Construction of the USSR, ministries, national economic councils, institutes of the Academy of Sciences of the USSR and the union republics, the ASIA of the USSR and the Ukrainian SSR, the Academies of Agricultural Science and the GNTK of the union republics, and official scientific and research institutes. The conference was opened by Academician A.M. Terpigorev, and at the plenary session papers were read by the following: Prof. A.P.Yufin, Doctor of Technical Sciences: "The State of Scientific Research Work in the Field of Hydromechanization"; Engineer V.A. Platanov: "The Construction of Alluvial Dams and the Work of Scientific Organizations"; Engineer M.A. Gorin: "The Present State of and the Outlook for Design and Research Work in the Field of Equipment for Hydromechanization"; Engineer S.B. Vogel'son: "Certain Problems of the Economy of the Hydromechanization of Earth Works"; Prof. G.A. Eurok, Doctor of Technical Sciences: "The Present State of and the Outlook for the Development of the Hydromechanization of Opencast Coalmining"; Engineer B.M. Shkundin: "Means of Perfecting Hydromechanization in the Non-Metallic Mineral Industry." The remainder of the conference was divided into 3 sessions: on technology, equipment and transport. At the session dealing with technology papers were read by the following: Prof. N.N. Maslov, Doctor of Technical Sciences: "Certain Problems in the Planning of Alluvial Dams"; F.L. Ivanov, Candidate of Technical Sciences (Institute of Mechanics of the Academy of Sciences of the USSR): "Peculiar Features of the Dilution and Compression of Sand Foundations"; P.D. Lobasov, Candidate of Technical Sciences (VNIIGS): "Piecemeal Alluvial Construction"; V.A. Melentyev, Candidate of Technical Sciences (B.S. Vodanoyev VNIIG) and V.P. Spiridin, Candidate of Technical Sciences (Institute of Mechanics of the Academy of Sciences of the USSR): "The Consolidation and Compression of the Foundations of the Key Parts of Earth Dams"; N.P. Kolpashnikov (GISI): "Research on Alluvial Construction by Means of Cohesive Foundations"; M.P. Kuzminov, Candidate of Technical Sciences: "The Hydraulic Construction of Earthworks by Means of Loess Foundations"; B.A. Volnin (V.V. Kuybyshev MISI): "The Alluvial Construction of the Sary-Yazynsk dam on the Murgab River by Means of Fine-Grained Sand"; I.Ya. Runinov, Candidate of Technical Sciences (A.P. Mozhaisky VVIA): "Research into the Morphological Peculiarities of Sand Foundations"; Engineer L.A. Shneyer (SADGIDEP) and [illegible] Yakovlev (VNIIGIM): "Formulas for the Determination of the Angle of Inclination of Earth Foundations"; M.V. Zolotarev, Candidate of Technical Sciences: "A Method of Calculating the Thawing Rate of Frozen Foundations on the Upper Slope of Sand Dams when Constructed in Winter"; D.L. Melamut, Candidate of Technical Sciences (VNIIGIM), and Engineer K.P. Kopiyevskiy (GNTK of the Moldavian SSR): "Problems of Spanning Rivers Without the Use of Bankets";

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

·8 (6) SOV/91-59-11-2/27

AUTHOR: Melent'yev, V.A., and Zyryanov, V.P., Engineers

TITLE: Operational Adjustments of MP-VTI Wet Ash Traps

PERIODICAL: Energetik, 1959, Nr 11, pp 3-6 (USSR)

ABSTRACT: The authors report on the operational adjustments required for achieving a proper functioning of the MP-VTI scrubbers which replaced the cyclones on a TKP-3 boiler at the Chelyabinsk TETs. The boiler was fired with pulverized (R_{88} = 18 - 20%) hard coal from Ekibastuz. Its output was 160/200 tons/h. The ash content of the coal was 38-42%. The wet ash traps (scrubbers) MP-VTI have a number of advantages over other systems, for example the TsS-VTI centrifugal ash traps. However, the MP-VTI scrubbers show a number of deficiencies which were eliminated partially at the Chelyabinsk TETs. A number of problems remained unsolved, especially in selecting the proper material. For example, the wooden lining used is not suitable. Other materials are not corrosion resistant enough and are

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SOV/91-59-11-2/27

Operational Adjustments of MP-VTI Wet Ash Traps

corroded by the acid content of the ash sludge. The spray nozzles of the cylindrical part of the scrubber are not efficiently designed. Problems of material corrosion by the acid content of the sludge must still be solved. There are 4 diagrams and 1 table.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, Vladimir Aleksandrovich; PESOCHINSKIY, V.N., red.; ZHITNIKOVA, O.S., tekhn.red.

[Sandy and gravelly materials of hydraulic fill dams] Peschanye i gravelistye grunty namyvnykh plotin. Moskva, Gos.energ.izd-vo, 1960. 162 p.

(MIRA 14:3)

(Dams)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

KOLPASHNIKOV, N.P., kand.tekhn.nauk; MELENT'YEV, V.A., kand.tekhn.nauk

Earth-fill dams using cohesive soils. Gidr.stroi. 31 no.6:22-27 Je '61. (MIRA 14:6)

(Dams)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.A., inzh.

Operation of MP-VTI wet fly-ash collectors. Energetik 10 no.9:13-17 S '62. (MIRA 17:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.M., kand.tekhn.nauk

Resultant local angular radiation coefficient of an open cylindrical strip with finite height. Izv.vys.uchebn.zav.; energ. 8 no.9:61-66 S '65. (MIRA 18:10)

1. Krasnodarskiy politekhnicheskiy institut. Predstavlena kafedroy fiziki.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.M.

More accurate method for calculating the temperature cycle of diodes. Trudy KIPP no.16:37-40 '57. (MIRA 12:7)

1. Krasnodarskiy institut pishchevoy promyshlennosti. Mekhanicheskiy fakul'tet, kafedra fiziki.
(Diodes)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.M.

Some characteristics of radiant heat exchange between two cylindrical surfaces. Trudy KIPP no.16:41-45 '57. (MIRA 12:7)

1. Krasnodarskiy institut pishchevoy promyshlennosti. Mekhanicheskiy fakul'tet, kafedra fiziki.
(Heat--Radiation and absorption)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.N.

Sof'ia IAkovlevna Il'enkova. Med.sestra 15 no.11:26-28 N '56.
(MLRA 9:12)
1. Zaveduyushchiy otdeleniyem Gryazelechebnitsy bal'neo-fizioterapevticheskogo otdeleniya, Yessentuki.
(IL'ENKOVA, SOF'IA IAKOVLEVNA)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V. V.

Technology

(Work practice of a miner of pit 204 of the Kopeysk coal trust). Moskva, Ugletekhizdat, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

OSTAPENKO, V.A., kand.tekhn.nauk; MELENT'YEV, V.V., inzh.

Automatic water feeding of steam boilers. Mekh.i avtom.proizv. 17 no.7:4-6 Jl '63. (MIRA 16:8)
(Boilers) (Automatic control)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, V.V., inzh.; OSTAPENKO, V.A., kand.tekhn.nauk

Electromagnetic valve. Mekh. i avtom.proizv. 17 no.10:31 O '63.
(MIRA 17:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

NOVOTEL'NOVA, N.S.; MELENT'YEV, V.V.

Unpublished materials on Academician N.S. Voronin. Trudy VIZR no.23: 28-39 '64. (MIRA 19:2)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

NOVIKOV, V.N.; TOLSTOV, L.K.; SEREBRYAKOVA, Ye.K.; SOKOLOV, B.M.; Prinimal uchastiye: Melent'yev, Yu.I.; KAPGER, V.S.; ZORCHENKO, I.F.; KARPOV, K.F.; Kushnarenko, V.S.; SHEVCHENKO, L.I.; TRIFONOVA, N.I.; PODZHUNAS, V.A.; MASLITSKAYA, M.P.

Obtaining industrial naphthalene from the centrifugal naphthalene of the Gubakha Coke and Coal Chemicals Plant. Koks i khim. no.8: 35-38 '62. (MIRA 17:2)

1. Vostochnyy uglekhimicheskiy institut (for Novikov, Tolstov, Serebryakova). 2. Gubakhinskiy koksokhimicheskiy zavod (for Sokolov).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEV, Yu.I., inzh.

Area of using Russian hoisting machines for large-capacity inclined skip hoists. Izv.vys.ucheb.zav.; gor.zhur. 7 no.12:91-99 '64. (MIRA 18:2)

1. Khar'kovskiy institut gornoy mekhaniki, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy gornoy mekhaniki.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'EVA, A. I.

27986. DOLIREV, A. A. i MELENT'EVA, A. I. -- Karotidnyye anevrizmy. Neposredstvennye rezul'taty posle operatsii i otdalennyye nablyudeniya. Yubileynyy sbornik khirurg. Rabot. Posbyashch. Prof. Shilovtseva. Kuybyshev, 1948, S. 105-11.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1948.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, G. A. Cand Pharm Sci

"Synthesis of Some Alpha-Quinolyl Beta-Amino-Alkanols." Sub 3 Jul 51, Moscow Pharmaceutical Inst, Ministry of Public Health USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, G. A.

Heterocyclic compounds. II. The method of carrying out the Skraup reaction. S. I. Kurevskaya and G. A. Melent'eva. (Moscow Pharm. Inst.) *Sbornik Nauch. Obshchest. Khim., Akad. Nauk S.S.S.R.* 1, 679-80(1953); cf. *C.A.* 48, 2712g.—Cohn's modification (cf. *C.A.* 22, 4527; 24, 5039) of the Skraup reaction proceeds smoothly and does not require abnormally large app. Thus, 107 g. o- or p-$MeC_6H_4NH_2$, 60 g. $Pr(NO_3)_3$, 28 g. $FeSO_4$ and 60 g. boric acid in 300 g. glycerol were thoroughly mixed in a 1 l. flask and treated gradually with 153 ml. *concd.* H_2SO_4 with cautious heating; after 16-20 hrs. of continued gentle refluxing the cooled mixt. was worked up as usual, yielding 80-4% 6- and 8-methylquinoline. Similarly, in a 100 ml. flask, 11 g. o-$HOC_6H_4NH_2$, 10 g. o-$O_2NC_6H_4OH$, 3 g. $FeSO_4$ and 8 g. boric acid in 40 g. glycerol treated with 15 g. H_2SO_4 gave after 8-10 hrs. at 140-60°, 80% 8-hydroxyquinoline.

G. M. Kosolapoff

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, G. H.

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Organic Chemistry

Heterocyclic compounds. I. Synthesis of 6-quinolyl-alkanolamines. G. A. Melent'eva and S. I. Kanevskaya. Moscow Pharm. Inst. *Zhur. Obshchei Khim.* 23, 310-15 (1953). To 2.5 g. 6-quinolinecarboxaldehyde in 30 ml. abs. EtOH were added 3 ml. $MeNO_2$ and 15 drops Et_2NH and the soln. was kept in a stoppered flask in the dark 2 days, yielding 67% *1-(6-quinolyl)-2-nitroethanol* (I), yellowish, m. 159-40° (from EtOH), *HCl salt*, decomp. above 250° (from EtOH-EtO). Similarly $EtNO_2$ gave *1-(6-quinolyl)-1-nitro-1-propanol* (II), 77%, m. 134° (from C_6H_6). I [illegible] g. in 40 ml. abs. EtOH with 5-10 g. Raney Ni was hydrogenated to 70-5% crude or 35-40% pure *1-(6-quinolyl)-1-aminoethanol*, *di-HCl salt*, powder, decomp. above 250° (from EtOH). Similar reduction of II gave *1-(6-quinolyl)-2-amino-1-propanol 2HCl*, needles, isolated by evapn. of the mixt. and addn. of abs. EtOH. The filtrate with $HNCO-NHNH_2$ gave an unstated yield of *6-quinolyl Et ketone semicarbazone*, m. 218-20°. Thus, during the working-up of the reduction product the aminoalkanol lost NH_3 and isomerized to the ketone. Generally the yield of the ketone declines with decreasing amt. of H_2O in the reduction system. It is essential for good yields of the aminoalkanols that the catalyst be thoroughly dehydrated by abs. EtOH before use.

G. M. Kosolapoff

7-13-54

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, G. A. and KANEVSKAYA, S. I.

Studies of Heterocyclic Compounds. II. Concerning the Procedure of Carrying Out the Skraup Reaction. page 679. Sbornik statey po obshchey khimii (Collection of Papers on General Chemistry), Vol 1, Moscow-Leningrad, 1953, pages 762-766.

Moscow Pharmaceutical Inst

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

Melentyeva, G.A.

SENOV, P.L., professor; MELENTYEVA, G.A., dostent.

Conducting pharmaceutical practice in the fifth year of pharmaceutic chemistry. Apt. delo. 4 no.6:29-32 N-D '55. (MLRA 9:1)

(PHARMACY, education, in Russia)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, G.A., kand.farmatsevticheskikh nauk, dots.

The Moscow Pharmaceutical School must become a model one.
Apt.delo 8 no.2:38-40 Mr-Ap '59. (MIRA 12:5)

1. Predsedatel' ekzamenatsionnoy komissii.
(MOSCOW--PHARMACY--STUDY AND TEACHING)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, G.A.

Work of the Pharmacy Department of the Sechenov Medical Institute in Moscow on reorganizing in accordance with the law, "On strengthening the bonds between the school and life and on the further development of the system of people's education in the USSR." Apt. delo 10 no.5: 59-63 S-O '61. (MIRA 14:12)

1. Farmatsevticheskiy fakul'tet I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(PHARMACY--STUDY AND TEACHING)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENTIYEVA, [illegible]; [illegible]

Results of the practical work of fifth-year students during the academic year [illegible] Mr-Ap '64. (MIRA 17:12)

1. Farmatsevticheskiy fakultet [illegible] Moskovskogo ordena Lenina meditsinskogo institut [illegible] Sechenova.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, Galina Aleksandrovna, dots.; [illegible], [illegible], red.; KORCHAGIN, V.I., red.

[Pharmaceutical chemistry of certain [illegible] with strong biological action; manual for [illegible] pharmaceutical institutes (faculties)] [illegible]-skaia khimiia nekotorykh prirodnykh [illegible] nym biologicheskim deistviem; uchebno [illegible] dentov farmatsevticheskogo instituta (fakul'tetov). [illegible]-skva, I-i Mosk. [illegible]-t im. [illegible], [illegible]

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MALCHENKO, A.L.; AGANESOVA, I.N.; MELENT'YEVA, G.F.

Evaporation of fermentation solutions in vacuum evaporting units. Ferm. i spirt. prom. 31 no.7:5-7 '65. (MIRA 18:11)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti (for Malchenko). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i spirtovoy promyshlennosti (for Aganesova, Melent'yeva).

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

RATINOV, V.B.; KUCHERYAYEVA, G.D.; MELENT'YEVA, G.G.; PIMENOVA, S.M.

Thermodynamic and diffusion characteristics of the basic components of cement when they are dissolved in water. Izv. vys.ucheb.zav.; stroi. i arkhit. 4 no.6:135-145 '61.(MIRA 15:2)

1. Nauchno-issledovatel'skiy institut zhelezobetonnykh izdeliy, stroitel'nykh i nerudnykh materialov.
(Cement)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

RATINOV, V.B.; KUCHERYAYEVA, G.D.; MELENT'YEVA, G.G.

Thermodynamic and diffusion characteristics of silicate ingredients of cement when they are dissolved in water. Dokl. AN SSSR 136 no.4: 875-878 F '61. (MIRA 14:1)

1. Nauchno-issledovatel'skiy institut zhelezobetonnykh izdeliy, stroitel'nykh i nerudnykh materialov. Predstavleno akademikom P.A. Rebinderom.

(Calcium silicate)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

RATINOV, V.B.; ROZENBERG, T.I.; RUBININA, N.M.; MELENT'YEVA, G.G.

Mechanism of the crystallization of cement stone components.
Dokl. AN SSSR 136 no.6:1407-1409 F '61. (MIRA 14:3)

1. Predstavleno akademikom P. A. Rebinderom.
(Cement)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, I.I.

Diurnal variation of the temperature of water and air over the sea. Trudy GGO no.107:169-178 '61. (MIRA 14:10)
(Meteorology, Maritime)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

ACCESSION NR: AT4004710 S/2922/63/007/000/0052/0057

AUTHOR: Melent'yeva, I. I.

TITLE: Certain atmospheric boundary layer regularities detected from an analysis of experimental data

SOURCE: Vses. nauchn. meteorologich. soveshch. Trudy*, v. 7. Fizika prizemnogo sloya. Leningrad, 1963, 52-57

TOPIC TAGS: meteorology, radiosonde, atmospheric stratification, atmospheric boundary layer, boundary layer regularity, meteorological data analysis, advection, turbulence, topographic effect, boundary layer parameter, atmospheric turbulence

ABSTRACT: In recent years the specialists of the Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory) have solved a joint system of equations for determination of the wind and temperature profiles, the turbulence coefficient, and other characteristics; certain assumptions made during this work now have been checked. The height of the boundary layer was determined from empirical data on the height at which diurnal variations of temperature vanish. Data for about 1,5000 radiosonde ascents during the summer months over a five-year period were

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ACCESSION NR: AT4004710

analyzed. Data were for nine levels from the surface to a height of 3 kilometers. Profiles for each month were constructed using five-year means, making it possible to determine the change in height during the course of a season. It was found that the height ranges from 1 to 2 kilometers in different months and that the turbulence coefficient varies by a factor of 4. The height of the boundary layer is one-half to one kilometer lower during advection of heat than during the advection of cold. The seasonal variation of the turbulence coefficient for different types of advection was determined. The following conclusions were drawn: 1. The height of the boundary layer increases with an increase of instability from 0.7 kilometer in a stable state to 2-3 km in an unstable state. 2. It increases from spring to summer and decreases toward autumn. 3. The values of the turbulence coefficient, obtained from the height determined by the described method, agree well with values obtained earlier by different methods. 4. The characteristics determined can be used for refinement of the characteristics of the boundary layer determined on the basis of a theoretical analysis. 5. Such computations can be used to determine the relationship between vertical turbulent exchange and physicogeographic conditions. Orig. art. has: 4 figures, 4 formulas, 1 table.

ASSOCIATION: Leningradskiy gidrometeorologicheskiy institut (Leningrad Hydrometeorological Institute)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

ACCESSION NR: AT4028744 S/2531/63/000/144/0076/0080

AUTHOR: Melent'yeva, I. I.; Kaplan, S. N.

TITLE: Some characteristics of wind direction variability and their use in calculating atmosphere pollution by factory smokestacks

SOURCE: Leningrad. Gl. geofiz. observ. i. Ukr. n.-i. gidrometeorol. inst. Trudy*, no. 144/40, 1963. Fizika pogranichnogo sloya atmosfery* (physics of the atmospheric boundary layer): Dneprovskaya expeditsiya GGO i UkrNIGMI, 76-80

TOPIC TAGS: air pollution, wind direction, industrial pollution, wind

ABSTRACT: In this paper, the authors present an analysis of results of calculating the wind direction variability for various time intervals. The obtained results are used for calculating the average concentrations of impurities (which reach the Earth's surface from a high source) for different time intervals. The dependence of the magnitude of impurity concentration on the averaging period is presented. The time variability and wind direction, as well as the various results of the observation are presented in a graph. The authors derive formulas for calculating the pollution for various time intervals, various heights of the source and various wind directions. Orig. art. has: 7 formulas and 4 figures.

Card 1/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

ACCESSION NR: AT4028744

ASSOCIATION: Leningradskaya glavna geofizicheskaya observatoriya (Principle Geophysical Observatory of Leningrad)

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: AS, MM NO REF SOV: 004 OTHER: 000

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

ACCESSION NR: AT4028745 S/2531/63/000/144/0081/0084

AUTHOR: Laykhtman, D. L.; Kozakov, L. A.; Melent'yeva, I. I.

TITLE: Experimental investigations of the vertical changes of turbulence intensity in the boundary layer of the atmosphere

SOURCE: Leningrad. Gl. geofiz. observ. i Ukr. n.-i. gidrometeorol. inst. Trudy*, no. 144/40, 1963. Fizika pogranichnogo sloya atmosfery* (physics of the atmospheric boundary layer); Dneprovskaya expeditsiya GGO i UkrNIGMI, 81-84

TOPIC TAGS: boundary layer, turbulence, wind velocity, Dnieper expedition

ABSTRACT: An attempt is made to evaluate the properties of the characteristic vertical profile of turbulence based on pilot balloon observations. Information is presented on the vertical profile of wind gust velocity of the atmospheric boundary layer; certain dependences of the profile on the stability characteristics are pointed out. Experimental data were obtained by conducting a series of specially organized balloon observations from 6 bases. The results of the observations are presented in graphs. Usually, sharp changes in the gradients of wind velocity or temperature (caused by cloudiness or the passing of fronts) strongly distort the vertical profile of wind pulsation. Pulsation maximum is observed at an altitude of

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ACCESSION NR: AT4028745

about 2.5 km. A minimum of wind gusts is observed in the layer from 750 m to 1500 m. The elimination of pulsations above this level is obviously explained by the comparative stability of layers above 3 km. However, one should not draw conclusions about the single valued connection of turbulence in the layer with the Richardson number at this level. Such a connection can be substantially disrupted by the energy diffusion of the turbulence of the upper and lower line layers. It is possible to expect that a satisfactory connection can be observed if thermodynamic uniformity exists in an adequately thick layer. A separate analysis of each series will be conducted in one of the future articles. Orig. art. has: 4 figures.

ASSOCIATION: Leningradskaya glavna geofizicheskaya observatoriya (Principle Geophysical Observatory of Leningrad)

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SUB CODE: AS NO REF SOV: 000 OTHER: 000

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

ACCESSION NR: AT4028748 S/2531/63/000/144/0096/0101

AUTHOR: Galadzhiy, N. M.; Melent'yeva, I. I.; Tkachenko, A. V.

TITLE: Determining the altitude of the atmospheric boundary layer by various methods

SOURCE: Leningrad. Gl. geofiz. observ. i. Ukr. n.-i. gidrometeorol. inst. Trudy*, no. 144/40, 1963. Fizika pogranichnogo sloya atmosfery* (physics of the atmospheric boundary layer); Dneprovskaya expeditsiya GGO i UkrNIGMI, 96-101

TOPIC TAGS: boundary layer, temperature sounding, wind sounding, Dnieper expedition, wind profile

ABSTRACT: In this paper the authors present results of determining the altitude of the boundary layer of the atmosphere according to temperature and wind sounding data during the Dnieper expedition. Formulas are derived which enabled the authors to plot the altitude dependence of the dynamic boundary layer on an x-value. The characteristics of the atmospheric boundary layer, according to the Dnieper expedition of 1961, are given in a table. The around-the-clock change of the boundary layer is plotted according to the derived formulas and is compared with the

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ACCESSION NR: AT4028748

experimental data. Orig. art. has: 2 figures, 2 tables and 11 formulas.

ASSOCIATION: Leningradskaya glavna geofizicheskaya observatoriya (Principle Geophysical Observatory of Leningrad)

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, I.I.

Effect of a nonsteady state on the magnitude of turbulent heat flow. Trudy Len.gidromet.inst. no.18:161-166 '63.

(MIRA 18:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

STABNIKOV, V.N.; MELENT'YEVA, I.S.

Efficiency of destillation and rectification apparatus used in the distilling industry. Trudy KTIPP no.17:137-143 '57. (MIRA 13:1)

(Distillation apparatus)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

MELENT'YEVA, I. S.

STABNIKOV, V.N.; MELENT'YEVA, I.S.

Efficiency of plates in distilling and rectifying apparatuses. Spirt. prom. 24 no.1:13-17 '58. (MIRA 11:3)
(Plate towers)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

COUNTRY : USSR
CATEGORY : Cultivated Plants. Industrial. Oleiferous. Sugar. M
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 11042

AUTHOR : Kalent'yeva, K. N.
INST. : All-Union Scientific Research Institute of Oleiferous*)
TITLE : Some Problems of the Above-Ground Feeding of Sunflower.

ORIG. PUB. : V sb.: Kratkiy otchet o nauchno issled. rabote Vses. n.-i in-ta maslichn. i efiromaslichn. kul'tur za 1956 g.**)

ABSTRACT : Work on the study of the influence of above-ground application of mineral fertilizers on the yield of sunflower, carried out by the Don Zonal Experimental and Breeding Station (1954-1955), showed that in individual years the above-ground auxiliary feedings promote an increase in the productivity of the plants. Plants which obtained fertilizers both through the soil and through the leaves were distinguished from the unfertilized ones by a lower

*) and Essential Oil Plants.
**) Krasnodar, "Sov. Kuban' ", 1957, 175-173

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MELENT'YEVA, N.

(4)

Chem Abs V48
1-25-54
Pharmacology
Chair of Pharmacology

The influence of procaine and its combinations with some chemical therapeutic preparations on the course and end of experimentally caused infarction of the spleen in rats. K. A. Meshcherskaya, N. Melent'eva, and G. Obegrelova (Med. Inst., Chelyabinsk). *Farmakol. i Toksikol.* 16, No. 4, 36-40(1953).—Experimentally caused infraction of the spleen of rats could be used to det. the intensity of the dissipating power of the drug on inflammations. The infraction is produced by ligating the central part of the splenic artery. The infarction is produced after 3-5 days. Norsulfazole sodium and procaine are introduced subcutaneously. The inflammation process is lessened. 4-Aminosalicylic acid is less effective than procaine + norsulfazole. 4-Aminosalicylic acid + procaine quickens the regeneration. The antiinflammatory effect of procaine is due to the direct action on the central nervous system. L. Goldenberg

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033330010-7

S/065/62/000/006/006/007
E194/E436

AUTHOR: Melent'yeva, N.I.

TITLE: Permissible storage times of fuels T-1 and TC-1 (TS-1)

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.6, 1962, 59-60

TEXT: Although fuels T-1 and TS-1 are very stable they may deteriorate on storage and, accordingly, storage tests were carried out in surface tanks for 6 to 7 years in Northern and Central climatic zones of the country and for 4 to 5 years in the Southern zone. Measurements were made of the final boiling point, the acid value and the gum content. The first of these rose by about 2°C, the second by not more than 0.3 mg KOH/100 ml of fuel and the existent gum content by 3 to 4 mg/100 ml. Thus, the properties remain within specification limits and the storage periods in question are permissible. There are 3 tables.

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L 4218-66 EWT(m)/EPF(c) TT/WE

ACC NR: AP5026353 SOURCE CODE: UR/0318/65/000/010/0045/0046

AUTHOR: Melent'yeva, N. I.

ORG: none

TITLE: Change in the thermal stability of aviation kerosines on prolonged storage

SOURCE: Neftepererabotka i neftekhimiya, no. 10, 1965, 45-46

TOPIC TAGS: jet fuel, fuel storability, fuel thermal stability/T-1 jet fuel, TS-1 jet fuel

ABSTRACT: The results are reported of tests carried out in 1963 to determine the thermal stability of a large number of lots of T-1 and TS-1 jet fuels stored for 0 to 6 yr in the northern and temperate climatic zones in above-ground, large-capacity storage tanks. Thermal stability was determined according to GOST 9144—59 specifications (not given) at 150C for 4 hr. The results are presented in tabular form. It was found that on storage for up to 6 years a certain thermal stability deterioration, measured in g sediment/100 ml fuel, occurred. For the majority of T-1 and TS-1 lots, the deterioration was 4—8 and 2—5 mg/100 ml, respectively. However, the arithmetic mean value of thermal stability for TS-1 lots stored for one year and for 3—6 years was practically the same. For T-1 fuel, this value was somewhat higher for lots stored for 6 years than for 1-year lots (4.0 mg/100 ml higher). All the thermal stability changes with increasing storage time were small (3—8 mg/100 ml) in comparison with

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