"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

SLOVOKHOTOVA, N.A.; KORITSKIY, A.T.; KARGIN, V.A.; BUBEN, N.Ya.; BIBIKOV, V.V.; IL'ICHEVA, Z.F.; RUDNAYA, G.V.

Action of fast electrons on polyethylene at low temperatures. Part 1: Double bonds in irradiated polyethylene. Vysokom.soed. 5 no.4: 568-574 Ap '63. (MIRA 16:5)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova.
(Polyethylene) (Radiation) (Double bonds)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

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YAKUBOVICH, S.V.; UVAROV, A.V.; RUDNAYA, G.V.; ZUBCHUK, V.A.

Studying the photochemical destruction of the films of alkyd and alkyd-melamine resins with the method of infrared spectroscopy. Lakokras. mat. i ikh prim. no.5:21-23 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

2

S/190/63/005/004/015/020
B101/B220

AUTHORS: Slovokhotova, N. A., Koritskiy, A. T., Kargin, V. A., Buben, N. Ya., Bibikov, V. V., Il'ichova, Z. F., Rudnaya, G. V.

TITLE: Effect of fast electrons on polyethylene at low temperatures. I. Double bonds in irradiated polyethylene

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 5, no. 4, 1963, 568-574

TEXT: High-density polyethylene (PE), low-density PE, and PE obtained by radiation polymerization, were irradiated with 1.6 Mev electrons in liquid or gaseous N_2. The dose was varied from 25 to 300 Mrad. The IR spectra were studied from -196 to + 50°C. The intensity of the 966 cm^{-1} band proved to be independent of the nature of the PE and of the temperature. Hence it is concluded that the trans-vinylene bonds form in the primary irradiation act. On the contrary, the 909 cm^{-1} band characteristic of vinyl bonds was with 200 Mrad and at -196°C six times as large and at -50°C only 2.5 times as large as in nonirradiated PE. With doses below 25 Mrad the initial concentration of vinyl groups decreased, whereas with

Card 1/2

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higher doses it increased. Thus irradiation induces the formation as well as the disappearance of vinyl double bonds, the disappearance being favored by higher temperatures. From the experimental fact that the N_{tv}/N_v ratio of the trans-vinylene to the vinyl groups is 18 for PE obtained by radiation polymerization, but 14 with high-density PE, it is assumed that the most probable process is a migration of energy and the formation of vinyl groups by the H atoms splitting off from two neighboring C atoms at the end of the molecular chain. There are 3 figures and 1 table.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

SUBMITTED: October 11, 1961

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

1355* Physicochemical Analysis of Systems of Importance in Analytical Chemistry. XIX. Investigation of the System $BaSO_4$-NaCl-C_2H_5OH-H_2O From the Point of View of the Theory of Turbidimetry. (In Russian.) I. V. Tananaev and N. A. Rudnee. *Zhurnal Analiticheskoi Khimii* (Journal of Analytical Chemistry), v. 5, Sept.-Oct. 1950, p. 291-285.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

BERZON, O.F., inzh.; BUKSHTEYN, D.I., inzh.; KUPERMAN, Ya.M., kand. ekon. nauk; RUDNER, I.B., kand. tekhn.nauk; GORBUSHIN, P.B., red.; ZHUKOVSKIY, Ye.S., nauchn. red.; GIROVSKIY, V.F., glav. red. serii; BOGINA, S.L., red.; GOL'BERG, T.M., tekhn.red.

[Handbook on material and machinery supply for construction units] Spravochnoe posobie po material'no-tekhnicheskomu snabzheniiu stroitel'nykh organizatsii. Pod obshchei red. P.B.Gorbushina i D.I.Bukshteina. Moskva, Gosstroiizdat, 1963. 607 p. (MIRA 17:1)

1. Moscow. Nauchno-issledovatel'skiy institut ekonomiki stroitel'stva. 2. Direktor Nauchno-issledovatel'skogo instituta ekonomiki stroitel'stva i chlen-korrespondent Akademii stroitel'stva i arkhitektury (for Gorbushin). 3. Rukovoditel' otdela normirovaniya material'nykh resursov i tsen na stroitel'nye konstruktsii nauchno-issledovatel'skogo instituta ekonomiki stroitel'stva (for Bukshteyn).
(Construction industry--Management)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNER, I. B. (and) KHIMSON, E. V.

N/5
755.5
.R91

Planirovaniye Stroitel'stva Na Zheleznodorozhnom Transporte (Planning Construction Work for the Railroad Transportation System, By) I. B. Rudner (and) E. V. Khimson. Moskva, Transzheldorizdat, 1954.

231 p. Tables.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

"Mechanization of Hoisting-Transporting Works on Supply Depots and Bases," 1951, 152 p., Sovetskaya Kniga (Soviet Books),128 p., Pravda Publ. House, 1952.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNER, I.B.; KHIMSON, Ye.V.; IVANOV, N.A., redaktor; CHERNYSHEV, V.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[Planning construction work for the railroad transportation system] Planirovanie stroitel'stva na zheleznodorozhnom transporte. Moskva, Gos. transportnoe zheleznodorozhnoe izd-vo, 1954. 231 p. [Microfilm] (MLRA 7:10)

(Railroads--Construction)
(Railroads--Buildings and structures)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNER, I. B.; ERMAKOV, N. F.

Loading and Unloading

"Mechanization of hoisting and transporting at food supply depots and bases." Reviewed by A. A. Ganich. Mekh. trud. rab., 6, No. 3, 1952.

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNER, I. D., [illegible]

Food Industry and Trade

"Mechanization of hoisting and transporting at food supply depots and bases." Reviewed by A. A. Ganich. Mekh. trud. rab, 6, No. 3, 1952

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNER, L.Ya.; SPIRIDONOVA, L.A., nauchn. red.

[Electrical ceramic metal goods; Magnetic and dielectric materials; a survey of foreign patents] Elektrotekhnicheskie metallokeramicheskie izdeliia: Magnitnye i dielektricheskie materialy; obzor inostrannykh patentov. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovanii, 1964. 21 p. (MIRA 18:7)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A., inzh.

Mounted KPN-2 cultivator. Tekh.v sel'khoz. 19 no.5:55-56 My '59. (MIRA 12:7)

(Cultivators)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

L 24077-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t) IJP(c) JD

ACC NR: AP6015829 SOURCE CODE: UR/0286/65/000/019/0072/0072

INVENTOR: Kribosheyev, A. Ye.; Koteshov, N. P.; Parshin, A. I.; Rudnitskiy, L. S.; Knyazhanskiy, M. U.; Rudnev, O. N.; Gandzha, G. A.

ORG: none

TITLE: Alloyed cast iron. Class C 22c; 40b, 37 sup oo B 21b; 7a,19, No. 175236

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 72

TOPIC TAGS: cast iron, hardness, wear resistance, chemical composition, iron alloy

ABSTRACT: An alloy cast iron is proposed with high wear resistance and hardness which has the following chemical composition (in %): 3.8 C (max), 0.3-0.7 Si, 2.0-3.5 Mn, 0.05-0.3 Cr, 1.2-2.2 Ni, 0.3 Ti (max) and 0.4 P (max). [JPRS]

SUB CODE: 11, 20, 07 / SUBM DATE: none

Card 1/1 UDC: 669.15-196:771.2-233.12

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

LEONOV, A.A., inzh.; RHONEV, A.A., inzh.

New signaling instructions on the railroads of the U.S.S.R.
Zhel. dor. transp. 46 no.4:63-66 Ap '64. (MIRA 17:6)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

L 24133-65

ACCESSION NR: AP5002978 S/0018/65/000/001/0081/0082

AUTHOR: Rudnev, A. (Lieutenant)

TITLE: Determining the coordinates of sound-generating targets

SOURCE: Voyennyy vestnik, no. 1, 1965, 81-82

TOPIC TAGS: fire control system, target discrimination, artillery fire, army warfare/ PUO 3 target detector

ABSTRACT: The use of a third vernier used in conjunction with target identification equipment of the classification PUO-3m is described. It is stated that use of the third vernier enables fire-directing personnel to realize a time saving 2 to 3 times greater than that previously obtained. After outlining the techniques involved in using the third vernier, the author suggests the adoption of a table containing trigonometric functions of angles and angular divisions. The suggestion given by Captain Ye. Lagunov ("Opredeleniye koordinat tseley") to use logarithmic tables in the fire-directing center was rejected as being impractical. The reasons given are: 1) the use of log tables is slower, and 2) the increased accuracy of

Card 1/2

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L 24133-65
ACCESSION NR: AP5002978

computation has no noticeable effect upon the ensuing artillery concentrations. The author commended the increased possibilities for accurate and prompt identification of target location achieved through the use of the third vernier.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MS

NO REF SOV: 000 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

SHARABRIN, I.G., prof.; RUDNEV, A.A.

Feeding high-grade feeds as the basis of the prophylaxis of animal diseases. Veterinariia 42 no.12:78-82 D '65. (MIRA 19:1)

1. Moskovskaya veterinarnaya akademiya (for Sharabrin). 2. Glavnyy veterinarnyy vrach Sovkhoza imeni Mossoveta, Moskovskoy oblasti (for Rudnev).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

POLIKARPOV, B.V.; FEDOTOV, P.I.; RUDNEV, A.A.

Prophylaxis of hog cholera. Veterinariia 39 no.8:34-37 Ag '62. (MIRA 17:12)

1. Glavnyy veterinarnyy vrach Lyuberetskogo rayona, Moskovskoy oblasti (for Polikarpov). 2. Glavnyy veterinarnyy vrach sovkhoza "Belaya dacha", Lyuberetskiy rayon, Moskovskoy oblasti (for Fedotov). 3. Glavnyy veterinarnyy vrach sovkhoza imeni Mossoveta, Lyuberetskiy rayon, Moskovskoy oblasti (for Rudnev).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.G.

The KRN-5,6 cultivator-plant nurser. Biul.tekh.-ekon.inform.Gos. nauch.-issl.inst.nauch.i tekh.inform. 18 no.1:59-60 Ja '65. (MIRA 18:4)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

IZRAITEL', S.A., otv. red.; SKURAT, V.K., otv. red.; ZUBAREV, S.N., otv. red.; MOISEYEV, S.L., otv. red.; ASTAF'YEVA, A.V., kand. tekhn. nauk, red.; VAS'KOVSKIY, Ye.L., red.; VISHNEVSKIY, Ye.L., red.; KRIVTSOV, B.S., red.; KOROTKIN, I.N., red.; MITROFANOV, S.I., doktor tekhn. nauk, red.; NORKIN, V.V., kand. tekhn. nauk, red.; NIKITIN, A.A., red.; RUDNEV, A.P., red.; SLASTUNOV, V.G., red.; TKACHEV, F.A., red.; RAUKHVARGER, Ye.L., kand. tekhn. nauk, red.; FEOKTISTOV, A.T.[deceased], red.; ZAYTSEV, A.P., red.

[Safety regulations for the dressing and sintering of ferrous and nonferrous metal ores] Pravila bezopasnosti pri obogashchenii i aglomeratsii rud tsvetnykh i chernykh metallov. Moskva, Nedra, 1964. 106 p. (MIRA 18:4)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniyem v promyshlennosti i gornomu nadzoru.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P., red.

[Instructions 203-56 for checking KV-1 and UK-1 Q-meters] Instruktsiia 203-56 po poverke izmeritelei dobrotnosti tipov KV-1 i UK-1. Izd. ofitsial'noe. Moskva, 1957. 10 p. (MIRA 14:5)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.
(Electric meters--Testing)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P., red.; KUZNETSOVA, M.I., red. izd-va; MATVEYEVA. A.Ye., tekhn. red.

[Instructions 183-54 for checking apparatus used in testing instrument transformers] Instruktsiia 183-54 po poverke apparatov, sluzhashchikh dlia poverki izmeritel'nykh transformatorov. Izd. ofitsial'noe. Moskva, 1957. 47 p. (MIRA 14:5)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.
(Electric transformers--Testing)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.

At the factories of Korea. Okh. truda i sots. strakh. no.6:85-86 Je '59. (MIRA 12:10)

1.Zaveduyushchiy otdelom okhrany truda TSentral'nogo komiteta profsoyuza rabochikh metallurgicheskoy promyshlennosti.
(Korea--Economic conditions)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.

A special committee is formed. Okhr. truda i sots. strakh. no.3: 34-36 S '58. (MIRA 12:1)

(Metallurgy--Hygienic aspects)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.

9

Volumetric Determination of Tin with Ceric Sulphate. A. Rudnev (*Trans. Butlerov Inst. Chem. Tech. Kazan*, 1934, (2), 51–62; *C. Abs.*, 1935, **29**, 3025).—The titration of Sn^{++} with $Ce(SO_4)_2$, with Ph_2NH as indicator, is described. —S. G.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.

Give metalworkers healthy and safe working conditions. Metallurg 6 no,6:1-2 Je '61. (MIRA 14:5)

1. Zaveduyushchiy otdelom okhrany truda TSentral'nogo komiteta profsoyuza rabochikh metallurgicheskoy promyshlennosti.
(Metalworkers--Diseases and hygiene)
(Metallurgical plants--Safety measures)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.A., veterinarnyy vrach.

How we work on the collective farm. Veterinariia 31 no.5:25-27 My '54. (MLRA 7:5)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.A., veterinarnyy vrach.

Prevention and treatment of toxemias in milk cows. Veterinariia 33 no.6:47-48 Je '56. (MLRA 9:8)

1. Kokhoz imeni Voroshilova, Ukhtomskogo rayona, Moskovskoy oblasti.
(Cows--Diseases and pests) (Toxins and antitoxins)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

L 28413-66 EWT(1)/T JK

ACC NR: AP6019092 (A,N) SOURCE CODE: UR/0346/66/000/002/0009/0016

AUTHOR: Ruinev, A. A. (Chief veterinarian)

ORG: Sovkhoz im. Mossovet, Moscow Region (Sovkhoz Moskovskoy oblasti)

TITLE: Analysis of the economic efficiency of veterinary measures in a focus of foot-and-mouth disease

SOURCE: Veterinariya, no. 2, 1966, 9-16

TOPIC TAGS: foot and mouth disease, commercial animal, animal disease therapeutics, economics

ABSTRACT: The article describes an outbreak of foot-and-mouth disease Type Ai on a single dairy sovkhoz in Moskovskaya Oblast. The article describes in detail the exemplary dietary, sanitary and therapeutic measures which were taken on the farm, which had 294 highly productive cows and 98 calves. Direct expenses in treating the disease averaged 10 rubles per cow (as opposed to and average reported in the literature of less than two rubles). Calculations indicate that the measures taken halved the financial damage of the disease (from 54 to 27 rubles per cow). Chief consultants N. I. Gushchin, A. M. Deryayev and Chief Bookkeeper of the sovkhoz A. I. Vasil'yev took part in preparing the figures and the economic calculations. Orig. art. has: 8 figures and 1 table. [JPRS]

SUB CODE: 06, 05 / SUBM DATE: none

Card 1/1

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

POLIKARPOV, B. V. (District Head Veterinary Doctor), FEDOTOV, P. I. (Head Veterinary Doctor of the "Belaya Dacha" Sovkhoz) and RUDNEV, A. A. (Head Veterinary Doctor of the Sovkhoz imeni Mossoveta [Moscow Council], Lyuberetskii District, Moscow Oblast')

"Experience in the use of prophylaxis against swine plageu"

Veterinariya, vol. 39, no. 8, August 1962 pp. 34

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

USSR/Medicine - Veterinary, Sterility and Avitaminosis

Card 1/1

Author : Rudnev, A. A., Veterinary Physician

Title : How we work on our kolkhoz

Periodical : Veterinariya, 31, 25-27, May 1954

Abstract : Animal husbandry is the leading industry of the kolkhoz imeni Voroshilov, Ukhtomskiy Rayon, Moskovskaya Oblast. The kolkhoz owns 134 horses, 836 pigs, and 307 head of cattle, 166 of which are cows. This kolkhoz also has 600 rabbits and a flock of 2,400 birds. Emphasis has been placed on prevention of reproductive failures and of diseases resulting from vitamin deficiency.

Institution :

Submitted :

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A. F.

Rudnev, A. F. "The laying of pipelines under transportation lines by means of the horizontal pressure method without interruption of traffic", Sbornik materialov po kommunal. khoz-vu, No. 6, 1948, p. 13-19.

SO: U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.G.

The KRVU-2,5 cultivator and fertilizer spreader used in tillage of hop fields. Biul.tekh.-ekon.inform. no.6:59-60 '60. (MIRA 13:8)

(Hops)
(Agricultural machinery)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

[illegible], A. [illegible]

"Synthetics of Indolyl-3 Butyric Acid According to a New Proceedure," Dok. AN, 32, No. 5, 1941. -c1941-.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.G.

Mounted KPN-2 cultivator for fallows. Trakt.i sel'khozmash. no.10:32-33 O '59. (MIRA 13:2)

1. Spetsial'noye konstruktorskoye byuro zavoda "Krasnyy Aksay."

(Cultivators)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

PUDNEV, A. G.
S. S. NAMETKIN, CR, 1941, 3[illegible], 333-325

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

ZOLOTAREV, T.L.; LIFSHITS, L.S.; RUDNEV, A.K.; TARASENKO, Yu.M.

Possibilities of emergency regulation of the power of the hydraulic turbines. Nauch.dokl.vys.shkoly; energ. no.2: 115-124 '59. (MIRA 13:1)

(Hydraulic turbines)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

ZOLOTAREV, T.L., prof., doktor tekhn.nauk; LIFSHITS, L.S., kand.tekhn. nauk; TARASENKO, Yu.M., inzh.; RUDNEV, A.K., inzh.

Dynamic characteristics of a hydraulic unit and their simulation. Izv.vys.ucheb.zav.; energ. 3 no.5:144-151 My '60. (MIRA 13:6)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena kafedroy gidroenergetiki.
(Hydroelectric power stations)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

ZOLOTAREV, T.L.; LIFSHITS, L.S.; RUDNEV, A.K.; TARASENKO, Yu.M.

Increasing the dynamic stability of electric power systems.
Inzh.-fiz. zhur. no. 6:77-84 Je '58. (MIRA 11:7)

1. Energeticheskiy institut, Moskva.
(Electric power plants)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

Rudnev, A.P.

KUDROV, B.A., inzhener; RUDNEV, A.P., inzhener; NIGIYAN, A.A., inzhener.

Improving the accuracy of measurements of electric power. Elek.sta. 25 no.12:35-37 D '54. (MLRA 7:12)

1. Komitet standartov mer i izmeritel'nykh priborov (for Rudnev).
2. Zavod elektroschetchikov (for Nigiyan).
(Electric meters)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P., red.; KUZNETSOVA, M.I., red. izd-va; MATVEYEVA, A.Ye., tekhn. red.

[Instructions 192-56 for checking a.c. measuring bridges] Instruktsiia 192-56 po poverke mostov peremennogo toka. Izd. ofitsial'noe. Moskva, 1957. 35 p. (MIRA 14:5)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.
(Bridge circuits--Testing) (Electric measurements)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P., inzh.

In the Academy of Sciences of the U.S.S.R. Bezop. truda v prom. 2 no.12:35 D '58. (MIRA 11:12)
(Academy of Sciences of the U.S.S.R.)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

DOKUCHALOV, Aleksandr Stepanovich; SOBOLEV, Petr Alekseyevich; RUDNEV, A.P., otv.red.; STUKACHEV, V.I., dotsent, retsenzent; MISHARINA, K.D., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Safety techniques in copper smelting and nickel plants] Tekhnika bezopasnosti na medeplavil'nykh i nikelevykh zavodakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 214 p. (MIRA 12:8)

1. Moskovskiy institut tsvetnykh metallov i zolota im. M.I.Kalinina (for Stukachev).

(Metallurgical plants--Safety measures)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

S/115/62/000/011/001/008
E194/E155

AUTHOR: Rudnev, A.P.

TITLE: Develop metrology and accurate measurement technique

PERIODICAL: Izmeritel'naya tekhnika, no.11, 1962, 1-2

TEXT: The Komitet standartov, mer i izmeritel'nykh priborov (Committee of Standards, Measures and Measuring Instruments) has developed a unified plan, which will run until the end of 1965, for research, experimental and design work in metrology and accurate instrument techniques, to meet the growing demand for accurate instrumentation and to overcome the present shortcomings (delay in starting production of new instruments, duplication of research because of lack of publicity, inability of even large organisations to solve various problems without outside assistance). This plan, in addition to the Institutes of the Committee, draws in scientific and design organisations of 23 other ministries and authorities and manufacturing facilities of a number of Councils of National Economy. Potential users of instruments will, at an early stage, be put in touch with the designers and manufacturers so as to make the greatest use of standard assemblies and

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Develop metrology and accurate ... S/115/62/000/011/001/008
E194/E155

components. Series production of high accuracy instruments should be included in the annual plans for presentation to the Committee of Standards, Weights and Measuring Instruments.

Card 2/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P., inzh.

Unified international unit system. Mekh.i avtom.proizv. 16 no. 5:56 '62. (MIRA 16:5)

(Units—Standards)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P., otv. red.; KUZNETSOVA, M.I., red.izd-va; LAKHMAN, E.Ye., tekhn. red.

[Index of instructions, methodical directions and regulations on the inspection of measures and measuring instruments up to January 1, 1962.]Ukazatel' instruktsii, metodicheskikh ukazanii i pravil po poverke mer i izmeritel'nykh priborov; po sostoianiiu na 1/I 1962 g. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 82 p. (MIRA 16:3)

(Weights and measures--Testing)
(Measuring instruments--Testing)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

BABALOV, Aleksandr Fomich; RUDNEV, A.P., red.; KOVALEVSKIY, M.A., red. izd-va; KOROVINA, N.A., tekhn. red.

[Protection from heat radiation] Zashchita ot teplovykh izluchenii. Moskva, Metallurgizdat, 1963. 56 p. (MIRA 16:11)

(Metallurgical plants--Safety measures)
(Heat--Radiation and absorption)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P., otv. red.; YAROVA, L.V., red. izd-va; RASHEVSKAYA, Ye.Z., tekhn. red.

[Index of instructions and methodological directions and regulations on the inspection of measures and measuring instruments; in effect as of January 1, 1963] Ukazatel' instruktsii, metodicheskikh ukazanii i pravil po poverke mer i izmeritel'nykh priborov (po sostoianiiu na 1/1 1963 g.) Moskva, Standartgiz, 1963. 79 p. (MIRA 17:2)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.P.

For a further improvement in the working conditions of metal-workers. Metallurg 9 no.7:6-7 Jl '64. (MIRA 17:8)

1. Zaveduyushchiy otdelom okhrany truda TSentral'nogo komiteta professional'nogo soyuza rabochikh metallurgicheskoy promysh-lennosti.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

ZHILO, M.Ye.; RUDNEV, A.P.

[Handbook on industrial safety and safety techniques] Spravochnik po okhrane truda i tekhnike bezopasnosti. Moskva, Metallurgiia, 1965. 442 p. (MIRA 18:5)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A. V.

RUDNEV, A. V. -- "Investigation of the Nature of a Surface Layer After the Mechanical Working (Working on a Lathe) of Heat-Resistant Materials." Sub 30 May 52, Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Vechernaya Moskva, January-December 1952

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

BARDIN, I. P., RUDNEV, A. V., TSYLEV, L. M.

Blast Furnaces

Changes in the phase composition of smelted materials during the process of slag formation in blast furnaces. Izv. AN SSSR Otd. tekh. nauk No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 1953, Uncl.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

S/121/60/000/008/010/012
A004/A002

AUTHORS: Rudnev, A. V., Sokolovskaya, V. V.

TITLE: Fastening Ceramic Tool Bits With Heat- and Vibration-Resisting Glues

PERIODICAL: Stanki i instrument, 1960, No. 8, pp. 33-35

TEXT: The authors point out that gluing of ЦМ-332 (TsM-332) ceramic tool bits to the holder has some advantages compared to the drawbacks of fastening the bit to the holder by soldering, welding or mechanical clamping. Gluing does not require metallization and does not affect the physical and mechanical properties of the materials to be glued. Investigations were carried out at VNII in order to select the glues which are most suitable for this purpose. The "ВС-350" (VS-350), "ВС-10" (VS-10T) and "ВК-32-200" (VK-32-200) cements with a phenol-rubber base and glues based on "ЭД-6" (ED-6) cold and thermosetting epoxy resins (ВТУ УХТ (VTU UKhP) No. 77-58) were analyzed. The strength of glued unions was checked by gluing TsM-332 ceramic bits of, shape C227 to steel squares. The tests were carried out with the 30-ton Riehle machine. A table shows the test results. Based on the investigations carried out, the authors state the following: 1. The maximum temperature of the glue layer in tools with ceramic bits does not exceed

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S/121/60/000/008/010/012
A004/A002

Fastening Ceramic Tool Bits With Heat- and Vibration-Resisting Glues

125°C. The heat resistance of the VS-10T, VS-350, VK-32-200 cements and of the ED-6 thermosetting glue ensures a reliable fastening of the TsM 332 bit to the tool holder. 2. Gluing ceramic bits to the tool holder is expedient for finishing and semi-finishing operations. 3. The best results were obtained with the VS-10T and VS-350 cements. 4. Gluing bits to holders with open grooves does not warrant stability, therefore tool holders with semi-enclosed grooves should be used. 5. Tools with glued-on ceramic bits are easily reground. 6. At a temperature of 400°C, the glued-on bit comes off and the holder. After having been sandblast-treated it can be used again. 7. The gluing strength depends on the conditions, established by the gluing technology, being observed. A description of the technological process of gluing TsM 332 tool bits to the holder is given. There are 5 figures, 1 table and 9 references: 3 Soviet, 2 German, 4 American and English.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

S/121/61/000/006/007/012
D040/D112

AUTHORS: Yegorov, S.V., and Rudnev, A.V.

TITLE: Effective cooling methods for tools cutting heat-resistant alloys

PERIODICAL: Stanki i instrument, no.6, 1961, 23-25

TEXT: The article presents a brief review of modern tool cooling methods and their efficiency. Soviet research laboratories and institutes are working on cutting fluids; the best is recommended by the Institut fizicheskoy khimii AN SSSR (Institute of Physical Chemistry AS USSR) - a 10% " emul'sol" solution in water with 2% "sulfofrezol" and soda. It raises wear resistance 1.5-2.5 times compared with 5% aqueous "emulsol" solution. A jet of fluid under a pressure of 15-20 gauge atmospheres, directed to the rear face of the tool through a nozzle 0.5-0.7 mm in diameter, increases the wear resistance of the tool 7 times as compared with a conventional jet falling on the point of chip separation. However, such a high-pressure jet is difficult to aim accurately at the cutting edge. It also requires the use of carefully purified fluid and a special pump. Excessive sputter also results.

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A VNII deflector proved effective against sputter on a screwcutting lathe. It is lined with rubber on the inside. Another VNII method having nearly the same effect as a high-pressure jet uses a low-pressure jet directed also from behind to the cutting edge but with a pressure of only 0.5-2.0 gauge atmospheres and a 2-5 mm diameter nozzle. The pump available on every machine tool can be used for the low-pressure jet, only the piping has to be rearranged. The efficiency depends on the quantity and velocity of the fluid, as well as its temperature and viscosity. Hydraulic calculations prove that the jet velocity in low-pressure feed may even exceed the velocity in high-pressure feed if the nozzle outlet diameter is properly chosen. Research data of VNII and other organizations confirm that cutting fluid directed onto the rear side of the cutting tool gives the highest effect on tools with predominant wear on the rear side. Addition of solid fillers (graphite, talcum, MoS_2, etc.) to the fluid also raises the effect and a thin powder layer on the surface abruptly decreases the friction factor. Lowest friction was observed when the surface was covered with dry MoS_2 powder (its friction factor $\mu = 0.12$, graphite has $\mu = 0.16$). The addition of graphite to the cutting fluid has a positive effect (Fig.5) on the intermittent turning of ЭИ437Б (EI437B) alloy and raises the tool wear resistance 50-60%

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compared with sulfurated 10-percent emulsion (fine powder graphite was added to the fluid and kept in suspension by compressed air blown through the container). Fluid cooled to near freezong point is used in a VNII system Fig.6). A falling jet of sulfurated emulsion with room temperature raises tool durability only 3 times; the same fluid cooled to near freezing point and subjected to high pressure raises it 10 times. Finally, cooling by an air jet containing fine droplets of cutting fluid, used lately in the Soviet Union and abroad, is also effective, particularly for machining large thin-walled work, as the spray at the same time cools the work and prevents heat deformations. VNII has developed a sprayer (Fig.9) for this purpose. There are 9 figures and 4 Soviet-bloc references.

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26889
S/121/61/000/010/002/005
D040/D113

AUTHORS: Rudnev, A.V., and Dobychina, A.P.

TITLE: Turning nonferrous alloys and glass-reinforced textolite with diamond cutters

PERIODICAL: Stanki i instrument, no. 10, 1961, 27-30

TEXT: The Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut (All-Union Scientific Research Institute of Instruments) has conducted research on the external turning of nonferrous alloys and glass-reinforced textolite using diamond turning tools. The purpose of the study was to find the optimum cutting conditions and geometric shapes of the cutters, and to determine the durability, optimum wear, cutting forces, and degree and depth of workhardening caused by the cutters. The toolmaking technology was developed by NIIAlmaz. СТ (ST) glass-textolite, ВТ3 -1 (VTZ-1) titanium alloy, АД 1 (AD1) duralumin, Бр.ОФ 6,5-1,5 (Br. OF 6.5-1.5) bronze and ЛС59-В1 (LS 59-V1) brass were turned on a 1М 620 (1M620) universal thread-cutting lathe with a maximum 3000 rpm, fitted with a variable drive trans-

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D040/D113

Turning nonferrous alloys ....

mission for stepless control of spindle rpm. The surface roughness of cut materials was measured with a profilometer, a profilograph, and an МИС-11 (MIS-11) double microscope. The investigation data are discussed and shown in graphs and tables. The optimum tool geometry, i.e. the tool tip angles, and optimum cutting parameters are given in a table (Table 2):

Material	Cutters geometry						Cutting parameters		
	$\varphi°$	$\varphi_1°$	$\alpha°$	$\gamma°$	$\lambda°$	r mm	v m/min	s rpm	t mm
VTZ-1 titanium alloy	45	45	10	-5	0	1.0	300	0.03	0.03
AD1 duralumin	43	3	15	2	0	1.0	600	0.02	0.05
LS59-V1 brass	43	3	13	2	0	1.0	500	0.03	0.05
OF 6.5-1.5 bronze	45	45	15	-5	0	1.0	800	0.04	0.025
ST glass-textolite	45	45	10	-5	0	1.0	700	0.025	0.03

where v is cutting speed, s - feed in mm per revolution, t - cutting depth;

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D040/D113

Turning nonferrous alloys ....

γ° - back rake angle [Abstracter's note: φ°, φ_1°, α°, λ°, r - not defined]. The cutters are shown in a photograph. The following conclusions are drawn: (1) The described diamond tools may be recommended for external turning of nonferrous metals and glass-reinforced textolite on universal high-speed thread-cutting lathes with stepless rpm adjustment of the spindle in 2000-3000 rpm range and 0.01-0.1 mm/rev feed, i.e. on lathes with the same variable speed transmission as is used in the "1M620" lathes of the zavod "Krasnyy proletariy" ("Krasnyy Proletariy" Plant). Vibration in the system's machine-workpiece-cutter must not exceed 30 cycles/sec frequency and 11 μm amplitude at maximum rpm; (2) The surface finish produced by diamond cutters is up to class 9. (3) The cutting force components in turning nonferrous metal and glass-reinforced textolite with diamond cutters are in the range of 0.15-2.0 kg-f; (4) Deformation of surface on nonferrous metals turned with diamond cutters is 5-10 μm deep and is insignificant; (5) The durability of diamond cutters at optimum wear of 0.14-0.18 mm is 20 times higher than the durability of carbide cutters. This results in longer operational cycle without set-up and higher accuracy of work. There are 7 figures and 4 tables.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

SEMKO, M.F., prof.; BASKAKOV, I.G., kand. tekhn. nauk; DROZHZHIN, V.I., inzh.; KACHER, V.A., kand. tekhn. nauk; RUDNEV, A.V. kand. tekhn. nauk, retsenzent; KUNIN, P.A., ~~inzh., red.~~

[Mechanical processing of plastics; cutting] Mekhanicheskaia obrabotka plastmass; frezerovanie. Moskva, Mashinostroenie, 1965. 131 p. (MIRA 18:4)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

SEMKO, M.F., prof.; BASKAKOV, I.G., kand. tekhn. nauk; DROZHZHIN, V.I., inzh.; KACHER, V.A., kand. tekhn. nauk; RUDNEV, A.V., kand. tekhn. nauk, retsenzent; KUNIN, P.A., inzh., red.

[Machining plastics; milling] Mekhanicheskaia obrabotka plastmass; frezerovanie. Moskva, Mashinostroenie, 1965. 131 p. (MIRA 18:3)

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ACC NR: AP6032021 SOURCE CODE: UR/0386/66/004/006/0216/0220

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34
B

AUTHOR: Venttsel', V. A.; Likhter, A. I.; Rudnev, A. V.

ORG: Institute of High-Pressure Physics, Academy of Sciences SSSR (Institut fiziki vysokikh davleniy Akademii nauk SSSR)

TITLE: The de Haas - van Alphen effect in Zinc in pulsed magnetic fields

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 6, 1966, 216-220

TOPIC TAGS: zinc, galvanomagnetic effect, Fermi surface

ABSTRACT: The authors investigated the de Haas - van Alphen effect in zinc in pulsed magnetic fields up to 75 kOe, inasmuch as earlier experiments in static magnetic fields up to 30 kOe did not give a sufficiently complete picture of the high-frequency oscillations connected with the large parts of the Fermi surface. The pulsed magnetic field was produced by discharging a 2000 μF capacitor bank charged to 2100 v through an inductance coil. A test coil containing the sample was placed in the center of the solenoid and its axis could be rotated ±30° relative to the direction of the magnetic field. Inasmuch as the Fermi surface of zinc is very complicated and has a large number of extremal sections in all directions of the magnetic field a resonance at 33 kcs resonant frequency was used to separate the frequencies connected with each type of Fermi-surface section. A plot of the oscillation frequency against the direction of the magnetic field is obtained for the planes

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ACC NR: AP6032021

(10$\bar{1}$0) and (11$\bar{2}$0) of Zn, and the possible Fermi-surface sections and configurations corresponding to each frequency are discussed. It is stipulated, however, that in view of the complexity of the Fermi surface of zinc, the proposed interpretation may not be fully unambiguous. The authors thank L. F. Vereshchagin for interest in the work and A. P. Kochkin for valuable discussions during the interpretation of the results. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 24Jun66/ ORIG REF: 001/ OTH REF: 006

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L 37002-66 EWP(k)/EWT(d)/EWT(m)/EWP(h)/EWP(1)/EWP(v)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6008989 SOURCE CODE: UR/0121/65/000/011/0026/0028

AUTHORS: Rudnev, A. V.; Zhulovyan, V. V.

ORG: none

40
B

TITLE: Residual stresses during intermittent machining of heat resistant alloy KhN35VTYu using a cutting tool with moving cutting edge

SOURCE: Stanki i instrument, no. 11, 1965, 26-28

TOPIC TAGS: residual stress, metal cutting, cutting tool/ KhN35VTYu heat resistant alloy

ABSTRACT: A lathe cutting tool (VNII design) with a rotatable cup-like cutting edge has been found to increase cutting speed of heat-resistant alloys by factors of 2--3. The cutting tool and the effects of cutting edge rotation are briefly described ($\gamma_3 = 27^\circ$, $\alpha_3 = 0^\circ$, cup diameter 18 mm, cup height 10 mm). Using this tool, the residual stresses during machining of alloy KhN35VTYu were measured on a specially designed apparatus by B. A. Kravchenko (Sily, ostatochnyye napryazheniya i treniye pri rezanii metallov. Kuybyshevskoye izd-vo, 1962) using the equations derived by M. A. Babichev (Metody opredeleniya vnutrennikh napryazheniy v detalyakh mashin. M., Izd-vo AN SSSR, 1955) and compared with stresses left by normal prismatic tools under the same conditions. Two sample curves (under different cutting conditions) are presented.

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It was found that the maximum values of the residual tensile stresses were reduced by 20--40% and the depth of the residual stresses was reduced by a factor of 1.5--3 as compared with normal tool stresses (at v = 8--10 m/min, s = 0.21--0.6 mm/rev and t = 0.5--1.0 mm). Orig. art. has: 3 formulas and 3 figures.

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RODNEV, A.V.; ZHULOVYAN, V.V.

Residual stresses in intermittent turning of heat-resistant alloy KhN35VTIU with cutting tools having a moving cutting edge. Stan. i instr. 36 no.11:26-28 N '65.

(MIRA 18:11)

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L 63018-65 EWP(e)/EPA(s)-2/EWT(m)/EPF(c)/EWP(i)/EWA(d)/EWP(t)/EWP(k)/
EWP(z)/EWP(b) Pq-4/Pr-4/Pf-4/Ps-4/Pt-7 IJP(c) MJW/JD/WW/JAJ/WH

ACCESSION NR: AR5012744 UR/0276/65/000/001/B112/B112
621.941.1:621.882

57
56
B

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya. Svodnyy tom, Abs. 1B705

AUTHORS: Rudnev, A. V.; Shtuchnyy, B. P.

TITLE: Diamond finish-turning of titanium alloy VTZ-1 and fiberglass ST

CITED SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 18, 1963, 131-137

TOPIC TAGS: cutting tool, diamond, turning machine, finishing machine, titanium alloy, fiberglass/ VTZ 1 titanium alloy, ST fiberglass, VK2 cutting tool

TRANSLATION: As a result of investigations on the process of diamond turning, it was established that insignificant deformation of the surface layer 5-8μ deep is produced in turning titanium alloys with diamond cutting tools. The developed design for diamond cutting tools can be recommended for external turning of these materials on multispeed lathes with n = 2000-3000 rpm and s = 0.01-0.1 mm/rev. Maximum rigidity of the lathe is necessary; the vibration frequency of the SID system at the maximum number of rotations must not exceed 30 cps nor the amplitude - 11μ, to exclude the possibility of pricking out the cutting tools. Buffing of

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ACCESSION NR: AR5012744

the machined surface is up to the 9th class. Durability of the diamond cutting tools with optimum wear of the rear surface n = 0.14-0.18 mm is 20 times greater than the durability of hard-alloy cutting tools. In some cases diamond turning of fiberglass ST can be replaced by turning with hard-alloy cutting tools VK2 while maintaining the same buffing of the machined surface. The optimum geometric parameters of diamond cutting tools and of the cutting process are presented. 5 illus. L. Tikhonova

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RUDNEV, A.V.

B

13

Creep Test Machine for Light Alloys. (In Russian.) K. I. Portnoi and A. V. Rudnev. *Zavodskaya Laboratoriya* (Factory Laboratory), v. 14, Aug. 1948, p. 986-990.

Describes above for long- and short-time creep tests at temperatures from 350 to 400°C. This machine is characterized by its simplicity, compactness, and ease of production in industrial shops. Details of construction and examples of tests performed, with corresponding diagrams, are presented.

All-Union Inst. Aviation Materials

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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KATSEV, P.G.; RUDNEV, A.V.

All-Union conference on spiral drills. Stan. i instru. 36 no.1:40-41 Ja '65. (MIRA 18:4)

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L 43537-65 EWT(1)/EWT(m)/EWP(k)/EWP(z)/EWP(b)/T/EWA(d)/EWP(w)/EWP(t) Pf-4/Pad
IJP(c) JD/HW

ACCESSION NR: AR5009343 S/0276/65/000/002/B198/B198 29 B

SOURCE: Ref. zh. Tekhnologiya masinostroyeniya. Sv. t., Abs. 2B1376

AUTHOR: Yegorov, S. V.; Rudnev, A. V.

TITLE: Contact fatigue of the cutting edge and its effect on the cutting properties of a tool

CITED SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 18, 1963, 138-148

TOPIC TAGS: heat resistant alloy, nickel based alloy, cutting edge contact fatigue, tool failure analysis, cutting productivity

TRANSLATION: Completed studies have served to establish that fatigue breakdown of tools can represent the decisive failure in machining Ni-based heat resistant alloys. In some cases, especially in tools involving the VK- or TK-type hard alloys, the effect of a fatigue breakdown is combined with abrasive or adhesive failures. However, fatigue breakdown can be the dominant factor only in machining hard-to-work steels and alloys when the stressing of the metal in the tool's working volume exceeds its fatigue strength. Fatigue breakdown is but a

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ACCESSION NR: AR5009343

contributory type of failure in all other cases, the dominant effect being exerted by abrasive, adhesive and other types of wear. The authors list measures calculated to reduce fatigue stresses in working volumes of tools. These include improving the purity of the tool's leading and trailing surfaces to class 10 levels, the use of shanks and holders made of elastic materials (plastics), and improvement of the structural rigidity of metal cutting machines and tools. Other measures are suggested for improving the productivity of cutting operations on materials which are difficult to machine. Seven illustrations. L. Tikhonova.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, A.V.; SHTUCHNYY, B.P.

Optimum design of the cutting tool and turning conditions for machining nonmetallic glass-fiber laminate-type materials. Stan. i instr. 34 no.11:23-25 N '63. (MIRA 16:12)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

S/0121/63/000/005/0027/0031

ACCESSION NR: AP3001566

AUTHORS: Yegorov, S. V.; Rudnev, A. V.

TITLE: The effect of cutting edge fatigue strength on the cutting properties of cutting tools

SOURCE: Stanki i instrument, no. 5, 1963, 27-31

V:34

TOPIC TAGS: metal cutting, cutting tool vibration, cutting tool dynamic stress, cutting tool fatigue, steel R18

ABSTRACT: The effects of tool vibration on the life of cutting tools was investigated. By measuring the dynamic forces involved in cutting alloy EI929 (v = 4 m/min, t = 1 mm, s = 0.21 mm/rev) with a steel R18 cutter, it was found that cutting stresses of 400 kg/mm were encountered. Fatigue curves for the R18 steel at different temperatures and for notched and unnotched specimens were obtained. The fatigue limit was found to be 62 kg/mm^2 at 20C and 59 kg/mm^2 at 400C for the unnotched and 44 kg/mm^2 at 20C for the notched specimen. To study the effects of dynamic stresses on tool wear, two types of experiments were performed: 1) alloy EI4373 was cut with an R18 tool and the tool wear as a function

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of time was measured. For v = 10 m/min, t = 1 mm, s = 0.21 mm/rev it was found that catastrophic failure would occur after about 35 minutes or 2 x 10^5 cutting force impulses; 2) R18 cutting tools were subjected to the same loads as encountered in (1) but in a vibrator without cutting any metal. After approximately 2 x 10^5 cycles the tools were used for cutting, and it was found that catastrophic wear began after only a few minutes. Inspection under a microscope disclosed that the edge deterioration looked the same for cutting or simulated vibrational loading without cutting. Thus it appears that dynamic stresses have a major effect on tool life and tools with higher fatigue limits should be superior. Orig. art. has: 13 figures.

ASSOCIATION: VNII

SUBMITTED: 00 DATE ACQ: 21Jun63 ENCL: 00

SUB CODE: ML NO REF SOV: 002 OTHER: 000

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, B., inzhener-lesomeliorator, direktor.

Mechanization of heavy work in tree-nurseries. Zhil.-kom.khoz. 3 no.7: 21-24 Jl '53. (MLRA 6:8)

(Forest nurseries)

1. Atkarskiy pitomnik.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, B. A., OVINOV, M. I.

Coal Mines and Mining

Work experience in horozontal seams with pneumatic charging on a schedule of one cycle per 24-hour. UGOL. No. 2, 1952

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

1. RUDNEV, B. A., ENG., KARACHENTSEV, V. I., ENG.

2. USSR (600)

4. Coal-Mining Machinery

7. Using the conveyer PLK-1 in mining the main drift. Ugol' 27, no. 12, 1952.

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

1. SKORYY, B.M.; RUDNEV, B.A.

2. USSR (600)

4. Coal-Mining Machinery

7. Productivity of the PZM-1 waste filler machine in relation to the petrographic and granulometric composition of the filler, B.M. Skoryy, Eng. B.A. Rudnev. Ugol' 28 no. 5, 1953.

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

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, B.A., inzh.; STETSENKO, Ya.V., inzh.

Stope yield, time needed for pillar drawing, emergencies and losses in the shield system of mining in Kuznetsk Basin. Ugol' 33 no.11:5-12 N '58. (MIRA 11:11)

(Kuznetsk Basin--Coal mines and mining)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

GLINKIN, N.M.; KOVALEV, K.G.; RUDNEV, B.V.

[Technical production cards on growing flowering plants outdoors and under glass] Proizvodstvenno-tekhnologicheskie karty po vyrashchivaniiu tsvetochnykh rastenii otkrytogo i zakrytogo grunta. Moskva, Stroiizdat. Pt.1. 1965. 167 p. (MIRA 18:6)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, Boris Vladimirovich; AL'BENSKIY, A.V., redaktor; VARGANOVA, A.N., redaktor izdatel'stva; KONYASHINA, A., tekhnicheskiy redaktor

[Atkarsk ornamental plant nursery] Atkarskii pitomnik dekorativnykh rastenii. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1956. 79 p. (MLRA 9:10)
(Atkarsk District--Plants, Ornamental)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

KUDNIV, Boris Vladimirovich

[Flower growing] TSvetovodstvo. Moskva, Stroiizdat, 1965. 182 p. (MIRA 19:1)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

VASIL'YEV, V., akademik; RUDNEV, D., prof.

Basic trends in chemical methods. Zashch. rast. ot vred. i bol. 10 no.6: 13-17 '65. (MIRA 18:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut zashchity rasteniy.
2. AN UkrSSR (for Vasil'yev).

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[illegible]

Traditions are alive: from the notebook of a journalist. p. 1394

[illegible] (EN KIRJANIKE LIIT) Tallinn, Estonia
No. 10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. [illegible], No. 12, Dec. 1959
Uncl.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, D.

USSR / General and Specialized Zoology. Insects. Insect and Mite Pests. P

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44847

Authors : Rudnev, D.; Sanin, V.
Inst : Not given
Title : New Developments in the Aerochemical Control of the Beet Weevil in the Ukraine.

Orig Pub : Grazh. aviatsiya, 1957, No. 1, 32-33.

Abstract : When 15 litres/hect of 10 percent DDT in diesel fuel and 20 litres/ha of 4 percent DDT suspension in caseine were used against the beet weevil, the performance of the plane at an equal expenditure of active substance per single hectare was 1 1/2 times larger than when a 2 percent mineral-oil DDT emulsion was sprayed at 50 litres/ha, the cost of treatment was cut in half; the death of the weevil was respectively 90 percent, 80.4 percent, and 55.7 percent. The beet yield on the fields which

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[illegible] kand. tekhn. nauk; [illegible], A.I., inzh.; [illegible], [illegible], inzh.

Construction and use of portable tachometer devices with a high class of accuracy. Energ. i elektrotekh. prom. no.4:34-37 [illegible]. (MIRA 17:10)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

DUBNY, D. F.

Agriculture & Plant & Animal Industry.

DDT and Benzene hexachloride as measures against forest and shelterbelt pests.
Kiev. Akademiia nauk Ukrainskoi SSR, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April, 1952 ~~1953~~, Uncl.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

1. RUDNEV, D. F.: KITISTYN, Ye. N.

2. USSR (600)

4. DDT (Insecticide)

7. New ameliorator for DDT and benzene hexochloride. Dop.AN URSR, no. 1, 1951.

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

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

1. RUDNEV, D. F.

2. USSR (600)

4. Donets V lley - Forest Management

7. Keeping trespassers from the forest preserves along the Northern Donets. Visnyk AN URSR 23 no. 1: 1951

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

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, D. F.

RUDNEV, D. F.

Acorns

Use of solutions of DDT and hexachlorocyclohexane in petroleum oils for destruction of acorn pests. Les I Step' 4, No. 6, Je 1952.

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, D. F.; ZAGAYKEVICH, I. K.

Pine - Diseases and Pests

Toxic belt method for combatting pine moths. Les. khoz. 5 no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September ~~1953~~ 1952. Unclassified.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, D.F.

Chief injurious insects of the forests of the Transcarpathian Province. Zool.zhur. 32 no.6:1141-1155 N-D '53. (MLRA 6:12)

1. Institut entomologii i fitapatologii Akademii nauk Ukrainskoy SSR. (Transcarpathia--Forest insects) (Forest insects--Transcarpathia

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, D.F.; LOZINSKIY, V.A.

Spraying DDT and benzenehexachloride in a mineral oil solution in insect control. Dop. AN URSR no.3:199-204 '54. (MIRA 8:4)

1. Institut entomologii ta fitopatologii AN URSR. Predstavleno deystvitel'nym chlenom Akademii nauk USSR P.A.Vlasyukom.
(Insecticides) (Spraying and dusting)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

R. DIEV, D.F.

Toxicity of benzene hexachloride as a fumigant against beetle larvae. D. F. Rudiev and V. I. Grunal'skii. *Doklady Akad. Nauk S.S.S.R.* 97, 551-4(1954).—The fumigant action of BHC was studied by inserting the material in small packages into the soil at various depths. The larvae of *Anoxia pilosa* and *Polyphylla fulla* were used as the test insects in the soil. Max. kill of 70% and 60% was attained in areas close to the BHC depots; the effect declined with increasing distance. The tests were run during a hot and dry summer and it was noted that higher temp. gave greater kill; this supports the fumigant theory of action. Similar expts. with *Melolontha vulgaris* showed that in shaded areas BHC was not active except at the very topmost soil level. The fumigant action is sufficiently high for insect kill only at av. daily temp. above 25°, being max. at 30-1°. Expts. with soil thermostats confirmed these data with addtl. finding that sand and sandy soils promote the fumigant action of BHC through larger distances than is the case with clay soils. At 35° the rate of propagation of the toxic action of BHC through sandy soil is about 5 cm. per day.

G. M. Kosof poff

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, D.F.

Protecting trees damage by larvae of phytophagous scarabes in afforestation of the lower Dnieper sands. Nauch.trudy Inst.ent. i fit. 6:3-29 '55. (MIRA 9:7)
(Dnieper Valley--Trees--Diseases and pests)(Benzene hexachloride)
(Scarabaeidae)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445930002-3

RUDNEV, D.F.; AVRAMENKO, I.D.; ZRAZHEVSKAYA O.N.

Using DDT oil solutions for combating pests in the Kiev greenbelt. Nauch.trudy Inst.ent.i fit. 6:80-88 '55. (MIRA 9:7)
(Kiev--DDT (Insecticide)) (Kiev--Trees--Diseases and pests)

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