"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 27768-65

ACCESSION NR: AT5003405

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii, Moscow (Central ferrous metallurgy scientific research institute)

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 003 OTHER: 007

Card 3/3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.I.

Machining precise plane surfaces. Stan.i instr. 28 no.3:37-38 Mr '57. (MLRA 10:5)

(Milling machines)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.I., inzh.

Work practice of a trust. Stroi. pred. neft. prom. 3 no.5:24-26 My '58. (MIRA 11:7)

(Gamma rays)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

AM4037981 BOOK EXPLOITATION S/

Gudkov, Aleksandr Ivanovich; Leshakov, Pavel Semenovich; Raykov, Leonid Gerasimovich

External loads and aircraft strength (Vneshniye nagruzki i prochnost' letatel'nykh apparatov), Moscow, Oborongiz, 1963, 479 p. illus., biblio. Errata slip inserted. 3,500 copies printed.

TOPIC TAGS: external load, aircraft strength, aircraft, helicopter, aerodynamic heating, aerodynamic flutter, aircraft vibration, fatigue strength

PURPOSE AND COVERAGE: The book is devoted to external loads acting on a flying apparatus (aircraft and helicopter) and the strength of its design. The book gives basic attention to the actual problems of the strength of modern flying apparatuses: dynamic loading, service life and fatigue strength of structures, strength at high flight speeds considering aerodynamic heating, etc. Besides presenting the theoretical problems, the book describes the experimental methods of investigating structural strength. The book is intended for engineers who work in design, testing, and the use of aircraft. It can also be used as a textbook by students in aviation higher educational institutions.

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

AM4037981

TABLE OF CONTENTS [abridged]:

Foreword -- 3
Ch. I. Calculational conditions determining aircraft strength requirements -- 5
Ch. II. External loads acting on aircraft parts -- 42
Ch. III. Basic information on vibration theory. Aircraft part vibration -- 98
Ch. IV. Statistical methods of studying the effect of dynamic loads on structures -- 147
Ch. V. Aircraft vibration -- 192
Ch. VI. Flutter -- 215
Ch. VII. Fatigue strength of aircraft structures -- 247
Ch. VIII. Effect of aerodynamic heating on aircraft strength -- 297
Ch. IX. Loading of helicopters -- 339
Ch. X. Experimental investigation of aircraft strength -- 391
Bibliography -- 475

SUB CODE: ME, AC SUBMITTED: 21Oct63 NR REF SOV: 052

OTHER: 011 DATE ACQ: 06Apr64

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.I.

New developments in the mechanization of the scraping of precision planes. Mashinostroitel' no.12:6-7 D '64. (MIRA 18:2)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

RADOV, A.S.; SHUBIN, G.A.; TOPILIN, Ye.K.; BEGUCHEV, P.P.; GUDKOV, A.N.; VEDENYAPIN, G.Ye.; SHUBIN, V.F.; RASKHODOV, G.F.; KAZAKEVICH, L.I.; IVASHCHENKO, P.S.; KONUROV, S.G.; AGAPOV, P.F.; IVANOV, A.F.

Grigorii Mikhailovich Tumin; 1876-1957. Pochvovedenie no.11: 103 N '58. (MIRA 11:12)
(Tumin, Grigorii Mikhailovich, 1876-1957)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

SAAKYAN, Sumbat Saakovich, prof.; ZHELIGOVSKIY, V.A., akademik, retsenzent; GUDKOV, A.N., prof., retsenzent; UL'YANOV, A.F., prof., retsenzent; LETNEV, B.Ya., red.; DEYEVA, V.M., tekhn. red.

[Agricultural machinery(design, theory, and calculations); machines for soil cultivation, seeding and planting, placement of fertilizers, control of pests and diseases of agricultural plants]Sel'skokhoziaistvennye mashiny (konstruktsiia, teoriia i raschet); mashiny dlia obrabotki pochvy, poseva i posadki, vneseniia udobrenii, dlia bor'by s vrediteliami i bolezniami sel'skokhoziaistvennykh rastenii. Moskva, Sel'khozizdat, 1962. 327 p. (MIRA 16:1)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im.V.I.Lenina (for Zheligovskiy). 2. Volgogradskiy sel'skokhozyaystvennyy institut (for Gudkov). 3. Saratovskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva im.Kalinina (for Ul'yanov). (Agricultural machinery)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, Aleksandr Nikolayevich, prof., doktor tekhn. nauk;
SHKOL'NIKOV, A.B., red.; BELOVA, N.N., tekhn. red.

[Some problems of mechanization in agriculture]Nekotorye problemy mekhanizatsii sel'skokhoziaistvennogo proizvodstva. Moskva, Sel'khozizdat, 1962. 45 p. (MIRA 16:2)
(Agricultural machinery)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

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

Vapor pressure of monomer-polymer systems. Zhur. prikl. Khim. 37 no.10:2230-2230 O '64.

(MIRA 17:11)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 38580-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 JW/RM

ACCESSION NR: AP5011044 UR/0080/64/037/010/2204/2210

32
31
B

AUTHOR: Gudkov, A. N.; Fermor, N. A.; Smirnov, N. I.

TITLE: Vapor pressure of monomeric-polymeric systems

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 10, 1964, 2204-2210

TOPIC TAGS: vapor pressure, monomer, polymer, macromolecular chemistry

Abstract: Experimental data was obtained on the vapor pressure of monomers over monomeric-polymeric systems (SKI-1 rubber - isoprene, SKS-50 PG rubber - styrene, SKS-30 rubber - styrene, Nairit - chloroprene rubber SKN-26 rubber - acrylic acid nitrile, latex-based SKI - isoprene, SK -26 rubber + 8% metacrylic acid - acrylic acid nitrile are expressed by empirical formulas of two kinds, used to calculate monomer vapor pressure to satisfactory accuracy from the given monomer concentration in the monomeric-polymeric system and temperature. It was noted that for several of the systems studied, the reduced vapor pressure is independent of the temperature for the 30-70° range.

Orig. art. has 1 figure, 3 formulas, 2 graphs, and 5 tables.

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 33580-65

ACCESSION NR: AP5011044

ASSOCIATION: Leningradskiy tekhnologicheskiy institut imeni Lensoveta (Leningrad Technological Institute)

SUBMITTED: 06Oct63 ENCL: 00 SUB CODE: OC, GC

NO REF SOV: 003 OTHER: 001 JPRS

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.N.; FEDOR, N.A.; SMIRNOV, N.I.

Vapor pressure of monomers over synthetic latexes. Zhur. prikl. khim. 37 no.11:2478-2482 N '64 (MIRA 18:1)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.N.; FERMOR, N.A.; SMIRNOV, N.I.

Phase equilibrium in certain aqueous monomer-polymer systems.
Zhur. prikl. khim. 37 no.12:2640-2643 D '64. (MIRA 18:3)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.N., doktor tekhn.nauk, prof.; NIKULIN, S.N., inzh.

Bases for selecting the forms for the working parts of a manure spreader. Trakt. i sel'khozmash. no.9:29-31 S '65.

(MIRA 18:10)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 15788-66 EWT(m)/ETC(f)/EWG(m)/EWP(n)-2 WW

ACCESSION NR: AT5023162 UR/2892/65/000/004/0133/0136

AUTHOR: Gudkov, A. N.; Kolobashkin, V. M.; Nekrasov, V. I.; Ushakova, N. P.

TITLE: The geographical distribution of nuclear reactors

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Voprosy dozimetrii i zashchity ot izlucheniy, no. 4, 1965, 133-136

TOPIC TAGS: nuclear reactor, economic geography, air pollution control, atomic energy plant equipment

ABSTRACT: The article presents the results of a review of Russian and foreign literature for the period from 1957 to 1964. It is intended to serve as an aid in the study of the distribution of harmful contaminants in the earth's atmosphere. A figure shows the rise in the power of atomic power reactors for the period 1951-1967 (including those presumed to be in operation). Another figure shows the change in the maximum thermal capacity of atomic energy, research, and transport reactors. An exponential relationship is proposed to predict the rise

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 15788-66

ACCESSION RN: AT5023162

in the capacity of atomic plants. Orig. art. has: 1 formula and 4 figures

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: 18, 13

NR REF SOV: 001 OTHER: 013

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

SUDERKIN, Aleksey Il'ich; GUDKOV, A.S., red.; FEDOTOVA, A.I., red. izd-va; BYKOVA, V.V., tekhn.red.

[Prospecting for deposits of optical fluorite; methodical guide] Poiski i razvedka mestorozhdenii opticheskogo fliuorita; metodicheskie ukazaniia. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1959. 37 p. (MIRA 14:5)

(Prospecting) (Fluorite)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, Aleksandr Sergeyevich; DERZHAVINA, N.G., red. izd-va; BYKOVA, V.V., tekhn. red.

[How to search for piezooptical mineral resources]Kak iskat' p'ezoopticheskoe mineral'noe syr'e. Izd.2. Moskva, Gosgeoltekhizdat, 1962. 39 p. (MIRA 15:12)
(Piezoelectric substances--Optical properties)
(Prospecting)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

FUZANOV, L.S.; SUDERKIN, A.I.; SHESHULIN, G.I.; BORZAKOV, B.A.; GUDKOV, A.S., nauchnyy red.; SEMILETKOVA, Ye.K., red. izd-va; SHMAKOVA, T.M., tekhn. red.

[Industry's requirements as to the quality of mineral raw materials]Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gosgeoltekhizdat. No.31[Piezoelectric and optical minerals]P'ezoelektricheskoe i opticheskoe syr'e. Izd.2., perer. 1962. 46 p. (MIRA 15:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Quartz) (Iceland spar) (Fluorite)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.S.; KIYEVLENKO, Ye.Ya.; KONDRASHEV, S.N.; YERMAKOV, N.P., retsenzent; LAZ'KO, Ye.M., retsenzent; PETROV, V.P., retsenzent; TATARINOV, P.M., retsenzent; KHOTENK, M.M., retsenzent; MAKSIMOV, A.A., nauchn. red.; FEDYUK, V.I., nauchn. red.

[Fundamentals of prospecting for piezo-optic mineral deposits] Osnovy poiskov i razvedki mestorozhdenii p'ezo-opticheskikh mineralov; metodicheskoe rukovodstvo. Moskva, Gosgeoltekhizdat, 1963. 217 p. (MIRA 17:6)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

LUPAL, N.V., kand.tekhn.nauk; GUDKOV, A.V., inzh.; MARUSHKO, F.I., kand. tekhn.nauk

Operational and technical requirements for the automation of centralized traffic control. Zhel.dor.transp. 43 no.2:46-47 F '61. (MIRA 14:4)

(Railroads--Signaling--Centralized traffic control)
(Automatic control)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.V., aspirant

System using a computer for regulating the flow of rolling stock in open pit mines. Avtom., telem. i sviaz' 6 no.9:11-13 S '62. (MIRA 15:9)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta.
(Mine railroads--Electronic equipment)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.V., inzh.; MARUSHKO, F.I., kand.tekhn.nauk; EYLER, A.A., kand. tekhn.nauk

Over-all automation of mine haulage. Mekh.i avtom.proizv. 16 no.4:56-58 Ap '62. (MIRA 15:4)
(Mine haulage) (Automation)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.V., aspirant

Programming of the problem of automatic train traffic regulation for railroad transportation in strip mines. Vest. TSNII MPS 20 no.5:59-61 '62. (MIRA 15:8)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta imeni V.N.Obraztsova.
(Mine railroads) (Programming (Electronic computers))

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.V., inzh.; SHKOL'NIKOV, A.D., inzh.

Study of the use of calculating machines in regulating movement in open-pit haulage. Gor.zhur. no.2:46-48 F '63. (MIRA 16:2)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta (for Gudkov). 2. Leningradskiy gornyy institut (for Shkol'nikov).
(Mine railroads) (Calculating machines) (Automatic control)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, A.V., kand.tekhn.nauk

Determination of the criterion of shortest sequence paths in a complex transport network. Sbor. trud. LIIZHT no.205:58-66 '63. (MIRA 18:1)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

107-57-3-33/64

AUTHOR: Gudkov, B. (Tambov)

TITLE: A Selenium Valve in Place of the Reverse-Current Relay (Selenovyy ventil' vmesto rele obratnogo toka)

PERIODICAL: Radio, 1957, Nr 3, p 31 (USSR)

ABSTRACT: Two parallel-connected 100-mm diameter selenium disks were connected in series with a 6-volt 60-w wind-driven generator. The disks acted as a reverse-current preventing device, protecting the storage battery from discharge when the wind motor velocity drooped. At low wind velocities, charging each battery cell separately is recommended.

Card 1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

AUTHOR: Gudkov, B., (Tambov) 107-58-6-47/58

TITLE: Photographing of Dials (Fotografirovaniye shkal)

PERIODICAL: Radio, 1958, Nr 6, p 55 (USSR)

ABSTRACT: The author recommends a method to radio amateurs for making radio receiver dials by a photographic method using a home-made photographic emulsion.

Card 1/1 1. Radio-Amateur personnel 2. Radio equipment-Construction

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

ZADOV, Aleksandr Grigor'yevich; ANISIMOV, Aleksandr Mikhaylovich; BAZLOV, Mikhail Nikolayevich; BRAGIN, Viktor Alekseyevich; GUDKOV, Boris Aleksandrovich, KOROTKOV, Sergey Tikhonovich, SHTEYNER, Samuil Iovelevich; SHEREMET'YEVA, L.P., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Petroleum industry in Krasnodar Territory] Neftianaia promyshlennost' Krasnodarskogo kraia. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 69 p. (MIRA 11:2)
(Krasnodar Territory--Petroleum industry)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

43251

S/844/62/000/000/126/129
D444/D307

AUTHORS: Gudkov, B. S., Dzantiyev, B. G., Popov, V. N. and Rumyantsev, Yu. M.

TITLE: Experimental methods for radiation-chemical investigations on a nuclear reactor

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962, 733-737

TEXT: Among reactions suitable for effecting in a nuclear reactor to make use of the kinetic energy of the fission fragments is the fixation of nitrogen in the gas phase to form hydrocyanic acid, hydrazine and other compounds. The authors have studied such reactions using methane, ethylene or acetylene as the carbon-containing and nitrogen and ammonia as the nitrogen-containing components. An ИРТ-1000 (IRT-1000) reactor of 100 kv capacity was used by the Institut atomnoy energii AN SSSR (Atomic Energy Institute of the AS USSR) to study the reactions under flow conditions. The exit gases

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

were analyzed after being absorbed or frozen out. The change in product yield with dosage was studied by changing the gas velocity and with composition by changing the velocity of individual components, keeping the total constant. A model of a hot cell with direct input of reagents was also studied by depositing various quantities of uranyl nitrate or boron anhydride inside the chamber. In these experiments additional cleaning of the exit gases, to remove fission fragments, was required. In some experiments the dose and yield of product were found simultaneously, thermal-neutron flux being measured with a sodium indicator. For the system C_2H_4 + NH_3 the radiation chemical yield varied from 1 to 3 molecules of HCN per 100 ev. Work on a larger scale is recommended. There are 5 figures.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR (Institute of Chemical Physics, AS USSR)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

BALANDIN, A.A., akademik; GUDKOV, B.S.; FEDOROVICH, R.M.

Mechanism underlying the interaction of cyclohexane with the surface of a metallic catalyst. Dokl. AN SSSR 155 no. 3:626-628 Mr '64. (MIRA 17:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUTKOV, B.S.; BALANDIN, A.A., akademik; SAVIN, Ye.P.

Isotope exchange of cyclobutane with deuterium on vaporized-metal coatings. Dokl. AN SSSR 162 no.4:843-846 Je '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, B.S.; [illegible], A.I.; [illegible]

Isotopic exchange between cyclohexane and deuterium over vaporized coatings of germanium and silicon. Izv. AN SSSR. Ser. khim. no.6:1120 '65. (MIRA 18:6)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GADSHI-KASYMOV, V.S.; [illegible], P.S.; [illegible], G.V.; [illegible], [illegible]

Manifestation of a bifunctional character of γ - Cr_2O_3 surface in catalytic conversions of cyclohexane. [illegible] SSSR. Ser. [illegible] (MIRA 18:6)

1. Institut organicheskoy khimii imeni [illegible].

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 61658-65 EWT(m)/EPF(c) Pr-4 RM

ACCESSION NR: AP5015425 UR/0020/65/162/004/0843/0846 27 23 B

AUTHOR: Gudkov, B.S.; Balandin, A.A.; Savin, Ye. P.

TITLE: Isotope exchange between cyclobutane and deuterium over evaporated metallic film

SOURCE: AN SSSR, Doklady, v. 162, no. 4, 1965, 843-846

TOPIC TAGS: deuterated compound, platinum, palladium, tungsten, molybdenum, nickel, deuterium exchange, cyclobutane, metal film, hydrogenolysis, multiplet theory

ABSTRACT: Deuterium exchange was studied over evaporated films of Pt, Pd, Ni, W, and Mo at 0-171C, using a mass spectrometer. The cyclobutane ring was relatively stable toward hydrogenolysis (none was observed for Pt). No break in continuity in the transition from $C_4H_4D_4$ to $C_4H_3D_5$ was observed for any of the above metals. A rise in temperature had little effect on the distribution of the products of deuterium exchange, causing only an increase (Mo, Pd, Ni) or decrease (W) in the degree of hydrogenolysis of cyclobutane relative to the isotope exchange. The data indicate that the lack of screened neighboring C-H bonds which would be located on both sides of the plane of the ring does not prevent the propagation of the exchange. The fact that the maximum on the distribution

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 61658-65

ACCESSION NR: AP5015425

curve for cyclobutane is absent both in the case of metals with a face-centered cubic lattice (Pt, Pd, Ni) and in the case of metals with a body-centered cubic lattice (W, Mo) may be regarded as a confirmation of the structural tenets of the multiplet theory. Indeed, there is no structural correspondence between cyclobutane and these metals, in contrast to the correspondence existing between cyclohexane and Pt, Pd, and Ni. The rate of hydrogenolysis of cyclobutane relative to the rate of deuterium exchange increases in the order Pt, Pd, Ni. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Institut organicheskoy khimii im. N.D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 11Sep64 ENCL: 00 SUB CODE: OC, MM

NO REF SOV: 004 OTHER: 013

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, B.S.; BALANDIN, A.A., akademik

Deuterium exchange of cyclopentane over sprayed metal catalysts. Dokl. AN SSSR 165 no.5:1105-1107 D '65. (MIRA 19:1)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Submitted July 3, 1965.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, D. A.

USSR

Gudkov, D. A. The complete topological classification of nonsingular real algebraic curves of the 6th order in the real projective plane. Dokl. Akad. Nauk SSSR (N.S.) 89, 521–524 (1954). (Russian)

Algebraic curves in the real projective plane are said to be topologically equivalent when there exists a topological transformation of the plane into itself which defines a 1-1 correspondence between the points of both curves. According to a theorem of Harnack [Math. Ann. 10, 189–198 (1876)] no more than 68 distinct types of curves of the 6th order are possible. I. Petrowsky [Ann. of Math. (2) 39, 189–209 (1938)] proved the hypothesis of Hilbert [Math. Ann. 38, 115–138 (1891)] that the type consisting of 11 ovals lying outside each other does not exist. In the present paper all 68 types are considered and it is shown that only 53 of them do exist.

F. J. Terpstra (Pretoria).

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, D. A.

USSR/ Mathematics - Algebraic curves

Card 1/1 Pub. 22 - 4/48

Authors : Gudkov, D. A.

Title : About the space of coefficients of plane algebraic curves of the n-order

Periodical : Dok. AN SSSR 98/3, 337-340, Sep 21, 1954.

Abstract : An algebraic equation with complex numbers, not all of which are equal to zero, which determines the algebraic curve of n-order in a complex projected plane, is described. Several theorems, regarding the space of coefficients of plane algebraic curves of the n-order and arguments proving the correctness of these theorems, are presented. Three references: 2-USSR and 1-USA (1931-1952).

Institution : State University, Gorkiy

Presented by : Academician I. G. Petrovskiy, June 23, 1954

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, D. A.

USSR/Mathematics - Topological curves

Card 1/1 : Pub. 22 - 2/49

Authors : Gudkov, D. A.

Title : A complete topological classification of non-special real algebraic curves of the 6-th order on a real projective plane

Periodical : Dok. AN SSSR 98/4, 521-524, Oct. 1, 1954

Abstract : Definition of a topological non-special type curve of the 6-th order is given. A table showing all topologically possible topological non-special type curves of the 6-th order is presented. Two theorems are also presented proving which types of curves, indicated on the table, can exist and which can not. Five references (1876-1954). Graph.

Institution : ...

Presented by : Academician I. G. Petrovskiy, June 23, 1954

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

Call Nr: AF 110825

Transactions of the Third All-union Mathematical Congress, Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Gudkov, D. A. (Gor'kiy). On the Topology of Plane Real Curves of Sixth Order. 149

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, D.A.

Bifurcation of simple double points and cusps of real plane algebraic curves. Dokl. AN SSSR 142 no.5:990-993 F '62.
(MIRA 15:2)

1. Issledovatel'skiy fiziko-tekhnicheskiy institut Gor'kovskogo gosudarstvennogo universiteta im. N.I.Lobachevskogo. Predstavlyeno akademikom I.G.Petrovskim.
(Aggregates)
(Curves, Algebraic)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, D.A.

Variability of simple double points on real plane algebraic curves. Dokl. AN SSSR 142 no.6:1233-1235 F '62.
(MIRA 15:2)

1. Issledovatel'skiy fiziko-tekhnicheskiy institut Gor'kovskogo gosudarstvennogo universiteta im. N.I.Lobachevskogo. Predstavleno akademikom I.G.Petrovskim.

(Aggregates)
(Curves, Algebraic)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, D.A. (Gor'kiy)

Some problems concerning the topology of plane algebraic curves. Mat. sbor. 58 no.1:95-127 S '62. (MIRA 15:9)

1. Gor'kovskiy issledovatel'skiy fiziko-tekhnicheskiy institut pri Gor'kovskom gosudarstvennom universitete imeni N.I. Lobachevskogo.

(Topology)
(Curves, Algebraic)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, D.A. (Gor'kiy)

The concepts of roughness and exponential nonroughness for plane algebraic curves. Mat. sbor. 67 no.4:481-527 Ag '65. (MIRA 18:8)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, F.

There must be corrections. Okhr.truda i sots.strakh. 3 no.2:18-21 F '60. (MIRA 13:6)

1. Starshiy tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabochikh ugol'noy promyshlennosti.
(Labor laws and legislation)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

KAPLANETS, N.D., otv.red.; GUDKOV, F.F., otv.red.; RATNIKOVA, A.P., red.izd-va; GALANOVA, V.V., tekhn.red.

[Instruction on safe work methods for stope mining in flat and inclined seams] Instruktsiia po bezopasnym metodam rabot dlia gornorabochego ochistnogo zaboia na pologikh i naklonnykh plastakh. Izd.2. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 46 p. (MIRA 14:3)

(Stoping (Mining)--Safety measures)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

KAPLANETS, N.D., otv. red.; GUDKOV, F.F., otv. red.; SHOROKHOVA, A.V., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Safety regulations for the loader-hauler] Instruktsiia po bezopasnym metodam rabot dlia nasypshchika-otkatchika. Odobrena Prezidiumom TsK Profsoiuza rabochikh ugol'noi promyshlennosti 11 marta 1959 g. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 26 p. (MIRA 15:1)
(Coal mines and mining—Safety measures)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

KAPLANETS, N.D., otv. red.; GUDKOV, F.F., otv. red.; RATNIKOVA, A.P., red. izd-va; GALANOVA, V.V., tekhn. red.

[Safety regulations for the miner working with a pick hammer in steep seams] Instruktsiia po vezopasnym metodam rabot dlia zaboishchika na otboinom molotke na krutykh plastakh. 2 izd. Odobrena Prezidiumom TsK Profsoiuza rabochikh ugol'noi promyshlennosti 11 marta 1959 g. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 28 p. (MIRA 15:1)

(Coal mines and mining --Safety measures)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

KAPLANETS, N.D., otv. red.; GUDKOV, F.F., otv. red.; RATNIKOVA, A.P., red. izd-va; GALANOVA, V.V., tekhn. red.

[Safety regulations for 1st and 2d class miners] Instruktsiia po bezopasnym metodam rabot dlia gornorabochego I i II razriadov. 2. izd. Odobrena Prezidiumom TsK Profsoiuza rabochikh ugol'noi promyshlennosti 11 maia 1959 g. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 50 p. (MIRA 15:1)

(Coal mines and mining--Safety measures)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

STANILEVICH, V., master; LEBEDEV, A., slesar'; BRYKOV, B., slesar';
RAPPOPORT, A., slesar'; GUDKOV, G., slesar'

Hardship does not frighten us, we can overcome it. Sov.
profsoiuzy 8 no.2:18-20 Ja '60. (MIRA 13:2)

1. Depo Moskva-Sortirovochnaya.
(Diesel locomotives--Maintenance and repair)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

30(11) SOV/29-59-2-23/41

AUTHORS: Brykov, Boris, Partgruporg of the Shop,
Gudkov, Gennadiy, Brigade Leader

TITLE: The Members of the Firs Shop of the Communist Work Are Allowed to Speak (Slovo imeyut chleny pervogo tsekha kommunisticheskogo truda)

PERIODICAL: Tekhnika molodezhi, 1959, Nr 2, p 26 (USSR)

ABSTRACT: To the question raised by the editors of the periodical "Tekhnika - molodezhi" how they imagined future to be, the following answers were given by: 1) Boris Brykov: I imagine the following picture: on the place beside our depot - which, by the way, will be twice as wide, high and light - dozens of small cars will stop. These vehicles belong to the workers who arrive in them for the morning shift from their villas and apartments. In the workshop, there are no brigade leaders or masters. Every worker knows his place and his work, for each of them has a medium or higher technical education. Moreover, work will be ideally organized. We have already started this organization. A complicated and powerful technology will be applied in trans-

Card 1/3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

SOV/29-59-2-23/41

The Members of the First Works Department of the Communist Work Are Allowed to Speak

port. Steam engines will belong to the past just as stagecoach, horse tramways and buses. Diesel electric express trains, powerful electric engines, two-storied atomic trains will form the park of the depot "Sortirovochnaya" in the future.

2) Gennadiy Gudkov: I am dreaming of the re-equipment of our workshop. How much manual labor could be replaced by machine work! The realization of this wish is near: we have started the technical re-equipment of the depot. In future, the engines will be repaired on an assembly line. Automatic machines will lift and dismantle them and work the parts. The required spare parts will be supplied in time on another assembly line. A working day will last 5-6 hours. And then ..., all cultural achievements will be at one's disposal. One will be able to do what one feels inclined to: reading, theater, circle, sports, learning. Everything will be provided for. Of course, Communist life will not be a delightful idling. It seems to me that also then there will be certain difficulties and conflicts. For man is much more complicated than any ever-so-complicated automatons. No technical directions for use are sufficient for him. Therefore, we should prepare ourselves in advance for the future life. We must examine ourselves in practice, and care the best

Card 2/3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

SOV/29-59-2-23/41

The Members of the First Shop of the Communist Work Are Allowed to Speak

and worthiest inside us.

Card 3/3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, I.

28915 GUDKOV, I. Chleny Tsentralbnykh Komitetov Profsoyuzov-Avangard Profsoyuznogo Aktiva. Prof. Soyuzy, 1949, No. 9, c.19-21.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, I.

Improve the work of trade-union organizations of the machine-tractor stations. Sov.profsoiuzy 1 no.4:21-27 D '53. (MLRA 6:12)
(Machine-tractor stations)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

1. KHITROV, F.; GUDKOV, I.

2. USSR (600)

4. Agriculture

7. Raise the level of work of the professional organizations of the machine-tractor stations and of the state farms, F. Khitrov, I. Gudkov, Prof. soiuzy 8 no. 5, 1953.

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

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

SHELAKHIN, P.I.; GUDKOV, I.N.; KHITROV, F.T.; NOVOSPASSKIY, V.V., red.; SHADRINA, N.D., tekhn.red.

[Collection of directives on the work of trade unions] Sbornik rukovodiashchikh materialov po organizatsionno-massovoi rabote profsoiuzov. [Moskva] Izd-vo VTsSPS Profizdat, 1957. 167 p. (MIRA 11:5)
(Trade unions)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, I.; MOSIN, A.

Unite similar organizations. Fin. SSSR 18 no.12:72 D '57.
(MIRA 11:1)

1.Zaveduyushchiy Leninskim rayfinotdelom Moskovskoy oblasti (for Gudkov). 2. Inspektor byudzheta (for Mosin).
(Lenino District--Electric power)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, Ivan Nikanorovich; MYAGKOV, M.M., red.; MALEK, Z., tekhn.red.

[Statute as the basis of trade-union democracy] Ustav - osnova profsoiuznoi demokratii. Moskva, Izd-vo VTsSPS Profizdat, 1959. 92 p. (MIRA 13:8)

(Trade unions)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 42970-65 EWT(d)/EWP(1)
ACCESSION NR: AR5008892 S/0273/65/000/002/0005/0005

SOURCE: Ref. zh. Dvigateley vnutrennego sgoraniya. Otd. vyp., Abs. 2.39.28

AUTHOR: Polkanov, I. P., Gudkov, I. G.

TITLE: Verifying the condition of engine couplings without dismantling

CITED SOURCE: Tr. Ul'yanovskogo s.-kh. in-ta, v. 10, no. 2, 1964, 22-30

TOPIC TAGS: engine maintenance, crankgear coupling wear, camshaft bushing wear, oil pressure calibrator, noise meter, gauge design, internal combustion engine

TRANSLATION: The wear of crankgear couplings and camshaft bushings can be verified by measuring the pressure in the oil system with a hydraulic calibrator. The latter is equipped with removable calibrated plug gauges, a distributor valve and a pressure gauge. The instrument can also be used to verify pressure differentials at the filters. Pressure differentials provide a criterion for evaluating the clogging of filter elements. A noise-type gauge for checking couplings consists of a piezoelectric sensor, a transistorized amplifier of low frequencies and a receiver. A microammeter with a scale of 0-100 ma serves as the receiver of amplified oscillations. The sensor has a circular magnet for attaching it at any

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

L 42970-65
ACCESSION NR: AR5008892

given location. A wiring diagram is presented for the noise gauge. D. Sorokin

SUB CODE: PR, IE ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

ALIKHODZHAYEVA, M.A.; GUDKOV, L.V.; SHEKLEIN, A.V.

Selective coating of receivers of radiant solar energy. Geliotekhnika no.6:19-24 '65. (MIRA 19:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy energeticheskiy institut imeni Krzhizhanovskogo.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

AUTHOR: Edel'man, N. M.; Petrunin, A. M.; Shkrob, V. N.; Starostina, Z. I.; Gudkov, N. I.

ORG: none

SOURCE CODE: UR/2981/66/000/004/0312/0321

TITLE: Use of AD33 wrought aluminum alloy in the manufacture of large parts operating under marine conditions

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat-resistant and high-strength alloys), 312-321

TOPIC TAGS: aluminum alloy, high strength alloy, metal property/AD33 aluminum alloy

ABSTRACT: A method of manufacturing large AD33 wrought aluminum-alloy parts has been developed. The alloy contains 0.83% Mg, 0.63% Si, 0.4% Cu, and 0.2% Cr with an impurity content of not more than 0.1% Mn, 0.23% Fe, 0.17% Zn and 0.035% Ti. Machined, round ingots, 570 mm in diameter and 1280 mm long, and 292 mm in diameter and 740 mm long were forged into disks 820 mm in diameter and 600 mm thick, and 560 mm in diameter and 375 mm thick, respectively. The disks were solution-heat treated at 520C, water quenched, and artificially aged at 160C for 17 hr. In this condition the disks had a tensile strength of 30—35 kg/mm^2, a yield strength of 27—30 kg/mm^2, and an elongation of 8—12%. Anisotropy of mechanical properties did not exceed 2 kg

Card 1/2

Card 2/2 hs

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GINTSBURG, B.B.; GUDKOV, N.N.; MI[illegible]LOV, [illegible], [illegible]

[Technology of metals and structural materials; program and test assignments with methodological instructions on their performance. Methodological manual for students of subjects not related to mechanical engineering in special correspondence high schools (based on 7 grades; 120 hours)] Tekhnologiia metallov i konstruktsionnye materialy; programma, zadaniia dlia kontrol'nykh rabot s metodicheskimi ukazaniiami po ikh vypolneniiu. Metodicheskoe posobie dlia uchashchikhsia nemashinostroitel'nykh spetsial'nostei zaochnykh srednikh spetsial'nykh uchebnykh zavedenii (na baze 7 klassov; ob"em 120 chasov). Moskva, Vysshaia shkola, 1963. 65 p. (MIRA 17:10)

1. Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. TSentral'nyy metodicheskiy kabinet po srednemu spetsial'nomu obrazovaniyu.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOVA, L.F.; LUKOMSKAYA, A.I.; REZNIKOVSKIY, M.M.

Effect of the testing conditions on the value of the elastic recovery of rubber compounds. Kauch.i rez. 21 no.9:17-21 S '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.
(Rubber--Elastic properties)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

Gudkov, L. S.

27 27

X-Ray Study of Thorium-Zinc Alloys. E. S. Makarov and L. S. Gudkov (*Kristallografiya*, 1956, 1, (6), 650-656; *Referat. Zhur. Met.*, 1957, (8), 228).—[In Russian]. Th-Zn alloys contg. 21·98-71·71% Zn were produced by melting the pure metals in vacuo. The system contains the compounds $Th_{2+x}Zn$, $ThZn_2$, $ThZn_3$, Th_4Zn_7, Th_3Zn_{17}, and a phase X of unknown chem. compn. $Th_{4+x}Zn$ is of variable compn., tending to be rich in Th, and has a $CuAl_2$-type structure with $a = 7·62$, $c = 5·62$ Å.; $ThZn_2$ has an AlB_2-type structure with $a = 4·20$, $c = 4·17$ Å.; $ThZn_3$ has a $BaAl_4$-type structure with $a = 4·26$, $c = 10·4$ Å.; Th_4Zn_7 has a rhombohedral structure with $a = 9·03$, $c = 13·20$ Å.; the X phase has a f.c.c. structure with $a = 5·68$ Å.

M

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

KLENOVA, M.V.; BELEVICH, Ye.F.; GERSHANOVICH, D.Ye.; GUDKOV, M.P.[deceased]
PAKHOMOVA, A.S.

Tendencies of the alterations of geological conditions in the Volga Delta and the northern Caspian Sea region. Trudy GOIN no.28:39-82 '55. (MLRA 9:6)
(Volga Delta--Physical geography) (Caspian Sea--Seashore)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, M.P., kand.geol.nauk; GORSHKOVA, T.I., kand.khim.nauk

Changes in the concentration of organic matter in sediments of the Northern Caspian due to the lowering of the water level. Trudy VNIRO 38:88-105 '59.
(Caspian Sea--Organic matter) (MIRA 13:4)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, N. F.

"Aspergillus in Young Turkeys." Dr Vet Sci, Kazan' State Veterinary Inst imeni N. Ye. Bauman, Min Higher Education USSR, Balaya Tserkov', 1954. (KL, No 3, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi.

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12251.

Author : Gudkov N. F.
Inst : Belaya Tserkov Institute of Agriculture
Title : Proteins and Protein Fractions of Serum in Large Horned Cattle with a Positive Brucellosis Reaction According to the Blood Serum Reaction.

Orig Pub: Nauchn. zap. Belotserkovsk. s.-kh. inta, 1957, 6, 163-166.

Abstract: An examination of protein and protein fractions of blood serum in large horned cattle with a positive brucellosis reaction according to the blood serum reaction (BSR) did not reveal any objective indicators for a differen-

Card : 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

DESHEVOY, G.M.; MIROSHNICHENKO, B.Ya.; LASTOCHKIN, S.V. Prinimali uchastiye: BURDIN, N.K.; GUDKOV, N.M.; SERGEYEV, M.A., inzh., retsenzent; YAKOVITSKIY, G.N., red.; LEYKINA, T.L., red.izd-va; KUREPINA, G.N., red.izd-va; SHCHETININA, L.V., tekhn. red.; SPERANSKAYA, O.V., tekhn.red.

[Manual for a lay-out mechanic]Spravochnik razmetchika-mashinostroitelia. Moskva, Mashgiz, 1962. 375 p. (MIRA 16:1)
(Laying-out (Machine-shop practice))

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

KHOTNYANSKIY, S.; ZHARKOVSKIY, I. (Tbilisi); GUDKOV, P.

Returning to the published. Za rul. 21 no.6:20 Je '63. (MIRA 16:11)

1. Predsedatel' soveta samodeyatel'nogo avtomotokluba Moskovskogo rayona, Khar'kov (for Khotnyanskiy).

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

ACC NR: AP7002537 (A, N) SOURCE CODE: UR/0413/66/000/023/0011/0011

INVENTORS: Gudkov, P. I.; Luk'yanov, N. A.

ORG: none

TITLE: A device for fastening of products. Class 7, No. 188939

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 11

TOPIC TAGS: mechanical fastener, sheet metal, metal forming machine tool

ABSTRACT: This Author Certificate presents a device for fastening of products. The device contains a casing with an immovable base and a movable pressure plate mounted within it. The pressure plate is supplied with a compressing mechanism. To provide for fastening and bending of a product made of sheet material and having various configurations and geometrical sizes, the device is supplied with a bending plate hinged to the casing. The pressure plate is made up of sections consisting of rotary levers. The levers are free along a common axis and may be moved independently along this axis.

SUB CODE: 14, 13/ SUBM DATE: 04Jul64

UDC: 621.981.12

Card 1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

IVANOV, V.A., dotsent, kand.tekhn.nauk; KUNITSKIY, L.P., dotsent, kand.tekhn. nauk; KORMAKOV, L.I., dotsent, kand.tekhn.nauk; GUDKOV, P.N., dotsent; PRIMAK, N.S., dotsent, kand.tekhn.nauk; BRYANTSEV, V.I., inzh.; SIKALO, P.I., inzh.; NOSOV, G.M., inzh.; LUKASHENKO, I., red.; BERGER, K., red.; HEZNICHENKO, I., red.; ZELENKOVA, Ye., tekhn.red.

[Wooden construction elements; analysis and design] Dereviannye konstruktsii; primery rascheta i konstruirovaniia. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1960. 537 p. (MIRA 13:9)
(Building, Wooden)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.N., dotsent

Kinematic systems of transport and dumping bridges. Ugol' Ukr. 6 no.1:26-29 Ja '62. (MIRA 15:2)

1. Kiyevskiy inzhenerno-stroitel'nyy institut.
(Transporter bridges)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.N., dotsent

Overburden bridges with adjustable height of the bridge support.
Ugol' Ukr. 6 no.6:23-24 Je '62. (MIRA 15:7)

1. Kiyevskiy inzhenerno-stroitel'nyy institut.
(Transporter bridges)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.N. [Hudkov, P.N.] (Kiyev)

Steel lattice cantilever having an even resistance to bending. Prykl.mekh. 8 no.3:324-329 '62. (MIRA 15:6)

1. Kiyevskiy inzhenerno-stroitel'nyy institut.
(Beams and girders)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.

PA 164T82

USSR/Radio - Wired Radio
Vacuum Tubes

Jul 50

"Increasing the Power of the VUO-500 Wired Radio Installation," P. Gudkov

"Radio" No 7, pp 19-23

Describes method of Engr S. I. Aleksandrov, Adm of Wired Radio Net of Moscow Oblast, for increasing power of VUO-500 to 1,500 w, eliminating a number of parts, changing UP-8 amplifier to metal tubes, power unit to Class AB_2 amplification, and using negative feedback. Tubes used are as follows: UP-8 amplifier--6Zh7 (6J7), two

[redacted]

164T82

USSR/Radio - Wired Radio
(Contd)

Jul 50

6P6, four 6P3; V-8 rectifier--three VO-188 kenotrons; VUO-500/1,500 amplifier--two M-600 and three V-28-800, eliminating neon bulbs, two antidynatron tubes, and two M-600 from earlier model.

[redacted]

164T82

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.

PA 174T96

USSR/Radio - Amplifiers Oct 50

"UB-1 and UV-1 Amplifiers With 6F5, 6C5, and 6F6 Tubes" P. Gudkov

"Radio" No 10, pp 20-23

Amplifiers UB-1 and UV-1, used with TUPT-1, TUPT-2, [redacted], SO-P-1, SO-Sh-1 and other wired radio centers, were designed to operate with SO-118, PO-119, and UO-186 tubes from carbon microphones. Diagrams and description show how these outmoded tubes can be replaced by 6F5, 6C5, and 6F6 tubes to permit use of dynamic microphones. Circuit devised by workers of Adm of Moscow Oblast Wired Radio Net.

FDD 174T96

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.

"Establishment of a rural radio point."

So. Radio, Vol. 7, p. 28, 1952

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.P.; MALININ, R.M., redaktor; SKVORTSOV, I.M.; tekhn. redaktor.

[Installing radio outlets in apartment buildings] Radiofikatsiia zhilykh domov. Moskva, Gos. energ. izd-vo, 1953. 39 p. (MLRA 7:7)
(Radio)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.

USSR/Miscellaneous - Bibliography

Card : 1/1 Pub. 89 - 23/24

Authors : Gudkov, P., Chief Engineer of the Moscow Radio-Relay Network Department

Title : An inferior textbook

Periodical : Radio 6, 62, June 1954

Abstract : A review of a book entitled, "Radiofication Supervisor" (Nadsmotrshchik Radiofikatsii), by Yu. I. Avramenko, published by Svyaz'izdat (Publishing House for Communications), 1952, is presented. The book is intended as a text and instruction book for signalmen supervisors. Numerous theoretical and practical technical errors, requiring correction, are pointed out.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P. P.

USSR/Miscellaneous - Communications

Card 1/1 : Pub. 133 - 7/20

Authors : Gudkov, P. P., Engineer

Title : Search for damages in underground cable lines

Periodical : Vest. svyazi 7, page 15, July 1954

Abstract : A contact method of searching for damages in underground cables placed in polyvinyl chloride sheaths, is described. The new method, which employs special contact probes, makes it possible to detect leakage points with resistances of up to 200 kohm with an accuracy of ± 0.5 m. The main requirement of this method is a thorough knowledge of the underground cable location. Drawings.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

KOZLOVSKIY, Arkadiy Stepanovich; GUDKOV, P.P., redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[Installing antennas on roofs] Ustanovka antenn na kryshakh. Moskva, Gos.energ.izd-vo, 1955. 46 p.(Massovaia radiobiblioteka, no.219) (MLRA 9:3)

(Television--Antennas) (Radio--Antennas)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

Gudkov, P.

USSR/ Miscellaneous - Telephone posts

Card 1/1 Pub. 89 - 13/27

Authors : Gudkov, P.

Title : Ferroconcrete posts

Periodical : Radio 8, 25-26, Aug 1955

Abstract : General report is presented on the types of cement and iron used in the manufacture of ferroconcrete posts for overhead communication lines. Tables; drawings.

Institution : .....

Submitted : .....

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P., inzh.

How to install television antennas for collective use.
Stroitel' no.9:24 '58. (MIRA 13:3)
(Television--Antennas)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUMELYA, A.N., inzh.; NALETOV, A.A., inzh. Prinimali uchastiye: ROZENBERG, Ya.G.; SERGEYEV, M.F.; GUDKOV, P.P.; PETROVA, V.Ye., red.; KARABILOVA, S.F., tekhn.red.

[Regulations on the construction and repair of overhead communication lines and wire broadcasting networks] Pravila stroitel'stva i remonta vozdushnykh linii sviazi i radiotransliatsionnykh setei. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio. Pt.3. [Construction and repair of overhead and underground lines and residential equipment for wire broadcasting and telephone networks] Stroitel'stvo i remont stoechnykh i podzemnykh linii i oborudovanie domovoi raspredelitel'noi radiotransliatsionnoi i telefonnoi vnutriraionnoi setei. 1960. 198 p. (MIRA 13:9)

1. Russia (1923- U.S.S.R.) Ministerstvo svyazi.
(Wire broadcasting) (Telephone)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, P.P., inzh.

A poor manual. Vest. sviazi 24 no.11:31 N '64. (MIRA 18:2)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GU[illegible], S. [illegible]. Cand Tech Sci

Dissertation: "Investigation of the Process of Methane Synthesis from Carbon Monoxide and Hydrogen Using the Flowing Layer of Fine-Grained Catalyst (For Increasing the Heat Value of Generator Gases)."

27/11/50

Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev.

SO Vecheryaya Moskva
Sum 71

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, S.F.

Deposition of carbon on nickel catalyst during hydrogenation of carbon monoxide. S. F. Gudkov. *Zhur. Prikkl. Khim.* 25, 1218-20(1952). [illegible] and H in mol. ratios of 7.00:26.30 and 31.40:22.30 were passed at 210-375° over Ni catalyst (200-300 μ). The results suggest the reaction $nNi + CO + H_2 \rightarrow Ni_nC + H_2O$, similar to that with Fe catalyst (Baude and Bruns, *C.A.* 42, 7147h) rather than the older proposed reaction $nNi + 2CO \rightarrow Ni_nC + CO_2$. The following observations led to this conclusion: At temps. 200-265° the proportion of C on the Ni catalyst was greater than CO_2 in the gas. At higher temps. CO_2 was greater than C and $CO_2 + H_2O$ was greater than CH_4 and this difference was exactly equal to the C deposited on the Ni. Up to 340° the proportion of C on Ni decreased with the temp. and even after prolonged reaction periods the Ni catalyst did not lose its effectiveness. At higher temps. C on Ni increased and after prolonged reactions (at 360-370°) the activity of the catalyst decreased. That the C was in the form of a carbide was shown by failure to obtain C when the catalyst was dissolved in HCl.

I. Beneowitz

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

Separation of carbon on a nickel catalyst during the hydrogenation of carbon monoxide. S. P. Gudkov. *J. Appl. Chem.* (U.S.S.R.) 25, 1275-6(1952)(Eng. transition); *Zhur. Prikhl. Khim.* 25, 1218-20(1952).—The optimum temp. for the hydrogenation of CO over a Ni catalyst was sought. CO + H_2 were passed over a Ni-alloy catalyst from 215° to 375°. Below 340° the C deposited was mostly in the form of nickel carbide. Above 340° free C was deposited. Min. C deposition was found in the range 315°–340°. The nickel carbide could be reduced with H_2 to form methane. This showed that at least part of the product methane was formed according to: $3Ni + CO + H_2 = Ni_3C + H_2O$, $Ni_3C + 2H_2 = CH_4 + 3Ni$. D. B. M.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, S F

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of Solid Mineral Fuels, I-12

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62549

Author: Gudkov, S. F., Chernyshev, A. B.

Institution: None

Title: Study of the Process of Methane Synthesis in a Unit with a Pseudo-Fluidized Catalyst Bed

Original Periodical: Izv. AN SSSR, otd. tekhn. n., 1955, No 5, 154-156

Abstract: Using a laboratory unit a study was made of the reactions of CH_4 synthesis from water gas in a pseudo-fluidized bed on finely granular fused nickel catalyst of 40 to 20 μ particle size. The process was conducted at 320° and 370° and space velocities from 11,500 to 58,840 1/1 of catalyst per hour. Investigations showed that use of low temperature and high space velocities reduces the significance of the side reaction $CO + H_2O = CO_2 + H_2$, while high space velocities of the gas contribute in addition to equalization

Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of Solid Mineral Fuels, I-12

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62549

Abstract: of temperature within the entire bed of the catalyst. Composition of the resulting gas, with all other conditions being equal, almost does not depend on the number of recirculation of the catalyst. With such an effectuation of the process the possibility exists of considerably simplifying the design of equipment by eliminating in the reactor the devices for utilization of a heat carrying agent, and feeding into the pseudo-fluidized catalyst bed the gas mixture without preheating it to the reaction temperature.

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV S. F.

Gudkov, S. F.

Distr: 4E4j/4E3d/4E2o(j)

The mechanism of methane synthesis on a fluidized nickel catalyst. A. B. Chernyshev and S. F. Gudkov. *A. B. Chernyshev, Tsbrannye Trudy* 1936, 307–10.—The possible reactions are $CO + 3H_2 \rightleftarrows CH_4 + H_2O$ and $CO + H_2O \rightleftarrows CO_2 + H_2$. The effect of the following conditions on the preiominance of the first was studied: temp. (320–70°), H_2:CO ratio (1.0–3.1), diln. of gas mixt. with N (0.5–48.5%) or H_2O (0–60%) and space rate (10,000–60,000 l./l. catalyst/hr.). The optimum H:CO ratio for CH_4 yield was 1.7; the optimum N, 0.5% at 285° and 21,300 l./l. catalyst/hr.); the optimum H_2O, 0%, the CO:CH_4 ratio was the same (0.47) for temps. 320–370° at 10,000–20,000 l./l. catalyst/hr.; at 320° it dropped sharply after 20,000, to 0.1 at 60,000; at 345° and 370° less sharply, after 30,000 to 0.39 and 0.47, resp. Malcolm Anderson

4

3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

Gen Abs SE

7

A study of the process of methane synthesis in an apparatus with a pseudo-liquid catalyst layer. A. B. Chernyshev and S. F. Gudkov. *A. B. Chernyshev, Izvestnye Trudy* 1956, 311-18. A fluidized Ni catalyst (prepd. by dissolving out the Al from a Ni-Al alloy) was used in a special app. (shown in diagram) in which the catalyst grains (40-200 μ in diam.) could circulate freely in the stream of mixed CO-H (61-4% H). The catalyst (10-60 g. per g. of CO-H) was reduced in the app. in H at 400° for 2 hrs., then the temp. decreased to 320-70° and CO-H gasses were passed through at a space rate of 11,500-58,850 l./l. catalyst/hr. (sufficient to keep the catalyst in motion and disperse heat of reaction, thus equalizing the temp.). The max. CH_4 yield (48% by vol.) was at 345-70° and 11,500-23,400 l./l. catalyst/hr.; the optimum catalyst wt. was 54.7 g./g. At least 20% Al should remain in the catalyst for strength; otherwise the grains will wear away, becoming too small, and thus useless, after several hrs. The reaction $3CO + 5H_2 \rightarrow 2CH_4 + H_2O + CO_2$ yields 2420 kcal. per cu. m. CH_4.

Malcolm Anderson

4E4j 3
4E3l 2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

Gudkov, S.F.

IVANOV, A.K.; GUDKOV, S.F.; ANISONYAN, A.A.

Recovering formaldehyde vapors from lean gases at lowered temperatures. Trudy VNIIGAZ no.1:132-138 '57. (MIRA 11:1)
(Formaldehyde)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4

GUDKOV, S.F

Distr: 4E4j

2522. PRODUCTION OF FORMALDEHYDE BY DIRECT OXIDATION OF NATURAL GAS WITH OXYGEN OF THE AIR. Anisonyan, A.A., Gudkov, S.F., Enikolopyan, N.S., Kleinenov, N.A., Markevich, A.M., Nalbandyan, A.B., and Sidorov, A.P. (Gaz. Prom. (Gas Ind., Moscow), 1957, (6), 32-39). Pilot plant operation is described for production of formaldehyde by incomplete oxidation of natural gas by oxygen of the air in the presence of nitric oxide. Plant capacity 150 m³ of gas-air mixture/hr; formaldehyde yield with single pass 2.5%, with six-pass recirculation 10.6% by volume based on methane used; reactor volume 17 litres, reactor filled with Raschig rings pre-treated with calcium tetraborate, reactor temperature 680 C, residence time 0.15 sec, NO content 0.[illegible]%, formaldehyde removed by scrubbing with formalin at 7°-9°C, product 40% by weight. An industrial plant is being built based on experience with this pilot plant.

O.A.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617220018-4"