

SERENSEN, S.V.; STEPNOV, M.N.; KOGAYEV, V.P.; GIATSINTOV, Ye.V.; FEDOROVA, T.M.,
kand.tekhn.nauk, red.; SHEKHTMAN, E.I., izd.red.; GARNUKHINA, L.A., tekhn.
red.

[Investigating the distribution of endurance properties in
structural aluminum alloys in connection with their production
technology] Issledovanie rasseianiia kharakteristik vynoslivosti
konstruktsionnykh aluminievykh splavov v sviazi s tekhnologiei
ikh proizvodstva. Moskva, Gos.izd-vo obr.promyshl. 1958. 122 p.
(Moscow. Aviatsionnyi tekhnologicheskii institut. Trudy, no.35)

(MIRA 12:5)

(Aluminum alloys--Testing) (Metals--Fatigue)

FEDOROVA, T.M.

Medical observations of swimmers. [Trudy] GIDUV no.35:79-92'62.
(MIRA 16:6)

(SWIMMING) (SPORTS MEDICINE)

(A) L 11152-66 EWT(m)/T/ DJ/WE

ACC NR: AP6000338

SOURCE CODE: UR/0286/65/000/021/0036/0036

AUTHORS: Tsessarskiy, A. V.; Fedorova, T. M.; Nikolayeva, V. M.; Arkhipova, T. P.;
Mikhaylova, Ye. N.

ORG: none

TITLE: Bacteriocidal admixture for lubricating-cooling liquids. Class 23, No. 176028 [announced by Moscow Automobile Plant im. I. A. Likhachev (Moskovskiy avtomobil'nyy zavod)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 36

TOPIC TAGS: bacteriocide, lubricant, cooling

ABSTRACT: This Author Certificate presents the application of hexachlorophene as a bacteriological admixture to lubricating-cooling liquids.

SUB CODE: 11/ SUBM DATE: 02Mar64

BC
Card 1/1

UDC: 665:521.5:621.892.8

LOPATIN, P.V.; KATS, A.M.; YARANTSEVA, Ye.P.; FEDOROVA, T.M.; GORSKAYA, L.V.

Experimental study of the disinfection of prescriptions and paper
by means of ultraviolet irradiation. Apt. delo 14 no.6:60-64
N-D '65. (MIRA 18:12)

1. Farmatsevticheskiy fakul'tet I Moskovskogo ordena Lenina
meditsinskogo instituta imeni I.M.Sechenova; Nauchno-
issledovatel'skaya aptechnaya stantsiya Moskovskogo gorodskogo
aptekoopravleniya i Sanitarno-epidemiologicheskaya stantsiya
Moskvy.

L 24461-66 EWI(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/ETC(m)-6 IJP(c) JD/HW/
ACC NR: AT6008664 JG/EM/GS (N) SOURCE CODE: UR/0000/65/000/000/0215/0220

AUTHORS: Chubarov, V. G. (Moscow, Nikolayev); Khazanov, M. S. (Moscow, Nikolayev);
Fedorova, T. M. (Moscow, Nikolayev) 76

ORG: none 62

TITLE: Investigation of thermal fatigue of cast nozzle vanes B+1

SOURCE: Vsesoyuznoye soveshchaniye po voprosam staticheskoy i dinamicheskoy prochnosti materialov i konstruktsionnykh elementov pri vysokikh i nizkikh temperaturakh, 3d. Termoprochnost' materialov i konstruktsionnykh elementov (Thermal strength of materials and construction elements); materialy soveshchaniya. Kiev, Naukova dumka, 1965, 215-220

TOPIC TAGS: thermal fatigue, turbine blade, durability, chromium base alloy, nickel base alloy, cobalt base alloy, metal grain structure

ABSTRACT: To investigate thermal fatigue of cast nozzle vanes, blades made of different alloys were subjected to heat cycling (30 seconds to reach a gas temperature of 1475K, 30 seconds at 1475K, shut-down and cooling for one minute) in a combustion chamber. The blade temperature varied between 1315K and 775K during the cycle. The number of cycles to surface crack formation and to final failure and their long duration strength (100 hours at 1175C) were recorded for blades made of 9 different

Card 1/2

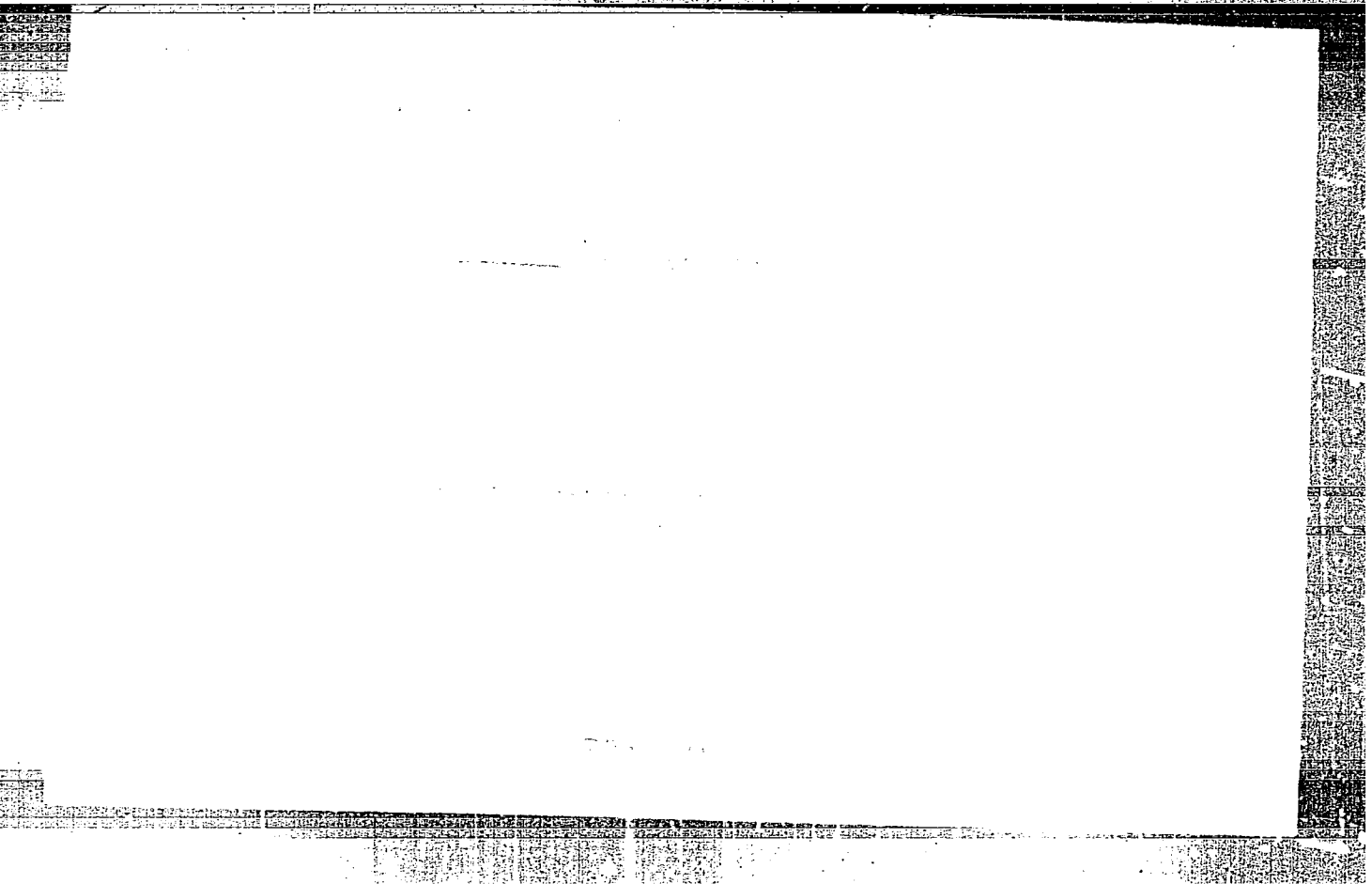
L 24461-66

ACC NR: AT6008664

¹⁸ cobalt- and chromium-nickel-based alloys (¹⁸AK66-Ya, ¹⁸VZh36-L4, ¹⁵VZh36-L1, ¹⁸VZhL-8, ¹⁴NS-242, ¹⁵K14N56L-Ya, ¹⁵ZhS6K, ¹⁵ZhS6KL, and ¹⁵ZhSZDK). The macrostructure of some of the alloys was studied, and curves of the coefficient of linear expansion as a function of temperature (873-1273K) are presented for all the alloys. It was found that: cobalt-based alloys had higher thermal strength than chromium-nickel alloys; resistance of nickel-based alloys was independent of alloying them with cobalt; the grain size in the macrostructure has a strong effect on thermal strength; calorized blades of ZhS6K were much more heat resistant than blades of cobalt-based alloys (2000 versus 200 cycles). Orig. art. has: 5 figures.

SUB CODE: 13, 20/ SUBM DATE: 19Aug65

Card 2/2 dda



FEDOROVA, T.N.; SIZENOVA, G.A.

Occurance of Omsk hemorrhagic fever in man and muskrats in the winter period. Zhur. mikrobiol., epid. i immun. 41 no.11:134-136 '65. (MIRA 18:5)

1. Omskiy institut prirodnoochagovykh infektsiy i Omskiy meditsinskiy institut imeni Kalinina.

SOROKIN, Ye.G., inzhener; PROSTYAKOV, I.M., inzhener; FEDOROVA, T.N.,
redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiy redaktor

[Centrifugal casting of sewer pipes of 50 mm. diameter] Tsentro-
beshnaia otlivka kanalisatsionnykh trub diametrom 50 mm. Moskva,
Gos. izd-vo lit-ry po stroit. materialam, 1956. 39 p. (MLRA 9:7)
(Sewer pipe) (Centrifugal casting)

VOLKOV, Aleksandr Pavlovich; CHERTKOV, Vasilii Vasil'yevich;
MAZUR, M.V., inzhener, redaktor; FEDOROVA, T.N., redaktor;
GLADKIKH, N.N., tekhnicheskii redaktor

[Multilayer gluing of wooden construction elements; the practices
of the Kostopol Housing Combine] Mnogosloinnaia skleika
dereviannykh stroitel'nykh detalei; iz opyta Kostopol'skogo
demonstroitel'nogo kombinata. Pod red. M.V. Mazura. Moskva,
Gos. izd-vo lit-ry po stroit. materialam, 1956. 109 p.

(Building, Wooden) (Gluing)

(MLRA 10:5)

FEDETOVA, F. N.

YEVNEVICH, Anton Vladislavovich; FEDOROVA, T.N., redaktor; GLADKIKH, N.N.,
tekhnicheskii redaktor.

[Lifting and conveying machinery in building material plants] Gruzopod'emnye i transportiruiushchie mashiny na zavodakh stroitel'nykh materialov. Izd. 2-oe, perer. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1956. 299 p. (MLRA 10:4)
(Conveying machinery) (Building materials)

KARPIS, Ye.Ye., kandidat tekhnicheskikh nauk; POLIKARPOV, V.F., kandidat tekhnicheskikh nauk; SENATOV, I.G., kandidat tekhnicheskikh nauk; SHEPELEV, I.A., kandidat tekhnicheskikh nauk; NOVIKOVA, F.M., redaktor; ~~FEDOROVA, T.N., redaktor~~; LYUDKOVSKAYA, N.I., tekhnicheskii redaktor

[Equipment of a central heating and ventilating system] Oborudovanie dlia sistem tsentral'nogo otopeniia i ventiliatsii. Pod obshchei red. V.F.Polikarpova. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1956. 399 p. (MIRA 9:8)

(Ventilation)

(Heating from central stations)

YABLONSKIY, Georgiy Safonovich; ORLOV, A.M., nauchnyy redaktor: FEDOROVA,
T.M., redaktor; GILMSON, P.G., tekhnicheskiy redaktor

[Sawing limestone] Razrabotka pil'nykh izvestniakov. Moskva,
Gos. izd-vo lit-ry po stroit. materialam, 1957. 95 p. (MLRA 10:10)
(Limestone)

USTINOV, Mikhail Alekseyevich; MIRONOV, P.P., nauchnyy redaktor; FEDOROVA,
T.N., redaktor; PYATAKOVA, N.D., tekhnicheskiy redaktor

[Manufacturing equipment used in sanitary engineering] Proizvodstvo
sanitarno-tekhnicheskikh izdelii. Moskva, Promstroisdat, 1957.
137 p. (MLRA 10:9)
(Sanitary engineering--Equipment and supplies)

YAREMENKO, Nataliya Yevgen'yevna, SVEFLOV, Boris Yakovlevich; APIN, A.Ya.,
nauchnyy redaktor; FEDOROVA, T.N., redaktor; GILENSON, P.G., tekhnicheskiy redaktor.

[Theory and technology of industrial explosives] Teoriia i
tehnologiya promyshlennykh vsryvchatykh veshchestv. Moskva,
Gos.isd-vo lit-ry po stroit.materialam, 1957. 239 p. (MIRA 10:11)
(Explosives)

FEDOROVA I. A.

KLYUKOVSKIY, Georgiy Ippolitovich; MANUYLOV, Lev Aleksandrovich;
BOTVINKIN, O.K., doktor tekhn.nauk, prof., red.; FEDOROVA, T.N.,
red.; GILSON, P.G., tekhn.red.

[Physical chemistry and the chemistry of silica] Fizicheskaya
khimiya i khimiya kremniya. Izd.2-oe, perer.i dop. Pod red.
O.K.Botvinkina. Moskva, Gos.izd-vo lit-ry po stroit.materialam,
1957. 263 p. (MIRA 11:1)

(Silica) (Silicates)

ZHENISHEK, Nikolay Nikolayevich, FEDOROVA, T.N., red.; GARNUKHINA, L.A.,
tekh.n.red.

[Rotary dust collectors] Rotatsionnye pylcotdeliteli. Moskva,
Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958
65 p. (MIRA 11:9)
(Dust collectros)

FEDOROVA, T.N. (Mskva)

Fertilization in wheat-rye amphidiploids. Bct. zhur. 49 no.12:
1781-1785 D '64 (MIRA 18:2)

LAVROV, Vitaliy Alekseyevich, doktor arkhitektury; FEDOROVA, T.N.,
red.

[City and its public center] Gorod i ego obshchestvennyi
tsentr. Moskva, Stroizdat, 1964. 188 p. (MIRA 17:12)

FEDOROVA, T.P., inzh.

Methods of lowering the content of regulus in mineral wool.
Stroi.mat. 9 no.3:12-15 Mr '63. (MIRA 16:4)
(Mineral wool)

FEDOROVA, T.P., inzh.

Study of the centrifugal blast method of producing mineral wool.
Sbor. trud. ROSNIIMS no.27:53-59 '63. (MIRA 17:1)

BREGER, A.Kh.; Primali uchastiye: KARPOV, V.L., kand.khim.nauk;
BELYNSKIY, V.A.; OSIPOV, V.B., PROKUDIN, S.D.; TYURIKOV, G.S.,
kand.khim.nauk; GOL'DIN, V.A.; RYABUKHIN, Yu.S.; KOROLEV, G.N.;
AFONIN, V.P.; POKROVSKIY, V.S.; KULAKOV, S.I.; LEKAREV, P.V.;
FEDOROVA, T.P.; KOROTKOVA, M.A.; KHARLAMOV, M.T.; NIKOLENKO, G.D.;
LOPUKHIN, A.F.; YEVDOKUNIN, T.F.; KASATKIN, V.M.; RATOV, A.V.

Nuclear radiation sources for radiational-chemical studies.
Probl.fiz.khim. no.1:61-72 '58. (MIRA 15:11)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut
im. Karpova.

(Radiochemistry) (Radioisotopes)

KIRPIKOV, Vladimir Arkad'yevich; GUKHMAN, A.A., doktor fiz.-matem.
nauk, prof., red.; FEDOROVA, T.P., red.; CHIZHEVSKIY,
E.M., tekhn. red.

[Introduction to the thermodynamics of chemical and phase
transitions] Vvedenie v termodinamiku khimicheskikh i fa-
zovykh preryashchenii. Moskva, Rosvuzizdat, 1963. 50 p.
(MIRA 16:9)

(Chemical equilibrium)

VELICHKO, Anna Yevtikhiyevna; BIRUN, A.M., doktor khim. nauk, prof.,
red.; FEDOROVA, T.P., red.; CHIZHEVSKIY, E.M., tekhn. red.

[Laboratory work in quantitative analysis] Praktikum po ko-
lichestvennomu analizu. [n.p.] Rosvuzizdat, 1963. 110 p.
(MIRA 16:8)

(Chemistry, Analytical--Laboratory manuals)

ZHDANOV, Yu.A., doktor khim. nauk; DOROFYENKO, G.N.; KOROL'CHENKO, G.A.
BOGDANOVA, G.V.; FEDOROVA, T.P., red.; SHVETSOV, S.V., tekhn. red.

[Laboratory work in carbohydrate chemistry] Praktikum po
khimii uglevodov. Pod obshehei red. IU.A. Zhdanova. [n.p.]
Rosvuzizdat, 1963. 119 p. (MIRA 16:6)
(Carbohydrates)

MAKOLKIN, Ivan Afanas'yevich; SHMELEV, Boris Aleksandrovich;
IZMAYLOV, A.V., doktor khim. nauk, retsenzent;
KARAPET'YANTS, M.Kh., doktor khim. nauk, retsenzent;
MISHCHENKO, K.P., doktor khim. nauk, retsenzent;
FEDOROVA, T.P., red.; BARANOV, Yu.V., tekhn. red.

[Collection of examples and problems in physical and col-
loid chemistry] Sbornik primerov i zadach po fizicheskoi
i kolloidnoi khimii. Moskva, Rosvuzizdat, 1963. 181 p.

(MIRA 16:4)

(Chemistry, Physical--Problems, exercises, etc.)

VESELOVSKAYA, T.K.; MACHINSKAYA, I.V.; BUTYUGIN, S.M., retsenzent;
VASIL'YEV, S.V., retsenzent; BELOV, V.N., prof., red.
[deceased]; FEDOROVA, T.P., red.; SHVETSOV, S.V., tekhn.
red.

[Problems and exercises in organic chemistry] Zadachi up-
razhneniia po organicheskoi khimii. Pod red. V.N. Belova.
Petrozavodsk, Rosvuzizdat, 1963. 154 p. (MIRA 16:11)
(Chemistry, Organic--Problems, exercises, etc.)

KARAPET'YANTS, Mikhail Khristoforovich; ~~PRIMOVA, T.F., red.;~~
CHIZNEVSKIY, E.M., tekhn. red.

[Exemples and problems in chemical thermodynamics] Pri-
mery i zadachi po khimicheskoi termodinamike. Izd.3.
[n.p.] Rosvuzizdat, 1963. 326 p. (MIRA 17:3)

DRAKIN, Sergey Ivanovich; KUDRYAVTSEV, Aleksandr Andreyevich;
SELIVANOVA, Nadezhda Mikhaylovna; MAYYER, Antonina
Ivanovna; SAMPLAVSKAYA, Kira Karlovna; SOLOKHIN, Viktor
Aleksyevich; STAKHANOVA, Mariya Sergeyevna; ALAVERDOV,
Ya.G., red.; FEDOROVA, T.P., red.; KARAPET'YANTS, M.Kh., red.

[Laboratory work in general and inorganic chemistry]
Praktikum po obshchei i neorganicheskoi khimii. Moskva,
Vysshaya shkola, 1964. 268 p. (MIRA 18:4)

MITROPANOV, Pavel Petrovich; KASATOCHKIN, V.I., prof., respondent;
FEDOROVA, T.P., red.

[Physical chemistry] Fizicheskaja khimija. Moskva, Vysshaja
shkola, 1965. 302 p. (MIRA 18:3)

UGAY, Yakov Aleksandrovich; ABRIKOSOV, N.Kh., doktor khim. nauk,
prof., retsenzent; GORYUNOVA, M.I., doktor khim. nauk,
prof., retsenzent; FEDOROVA, T.P., red.

[Introduction to the chemistry of semiconductors] Vvedenie
v khimiu poluprovodnikov. Moskva, Vysshaya shkola, 1965.
333 p. (MIRA 18:5)

1. Kafedra poluprovodnikovyykh materialov Leningradskogo
politekhnikeskogo instituta im. M.I.Kalinina (for
Goryunova).

FEDOROVA, T.P., kand. tekhn. nauk; KHLEDTSEV, A.Ye., inzh.; GERASIMOV, V.I., inzh.

Improvement in the quality of semirigid mineral wool slabs.
Stroi. mat. 11 no.7:31-32 JI '65. (MIRA 18:8)

GRIGOR'YEV, A.P.; KORSHAK, V.V., red.; FEDOROVA, T.P., red.

[Laboratory work in the technology of polymeric plastic materials] Praktikum po tekhnologii polimerizatsionnykh plasticheskikh mass. Moskva, Vysshaya shkola, 1964. 284 p.
(MIRA 18:1)

1. Chlen-korrespondent AN SSSR (for Korshak).

FEDOROVA, T.S.

USSR / General Problems - Methodology. History. Scientific A-1
Institutions & Conferences. Teaching. Problems of
Bibliography and Scientific Documentation.

Abs Jour : Referat Zhur - Khimiya, No 6, 25 March 1957, 18048

Author : Fedorova, T.S., Tenisova, G.V.

Inst :

Title : S.I. Zaleskiy - First Bio-Chemist in Siberia

Orig Pub : Sb. Nauch. rabor san. fak. Tomskiy ucd. Inst. Tomsk,
1956, 209-211.

Abstract : Short biographical data and information referring to
some scientific works of S.I. Zaleskiy (born in 1858)
who was, in 1889-1897, professor of general and medical
chemistry in the university of Tomsk.

Card 1/1

SAL'NIK, B.Yu; SEREBRENNIKOVA, I.A.; FEDOROVA, T.S.

Effect of ultrasonic waves on the activity of some enzyme systems of erythrocytes in healthy people and in cancer patients. Trudy Tom NIIVS 12:292-296 '60 (MIRA 16:11)

1. Kafedra biokhimii Tomskogo meditsinskogo instituta i Tomskoy nauchno-issledovatel'skiy institut vaktsin i syvo-rotok.

*

TARASOVA, Z.N.; EYTINGON, I.I.; SENATORSKAYA, L.G.; FEDOROVA, T.V.;
DOGADKIN, B.A.

Use of phenothiazine (thiodiphenylamine) as an antifatigue agent
for vulcanizates from MK, SKI, and SKS-30AM. Kauch. i rez.
20 no.9:15-18 S '61. (MIRA 15:2)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.
(Vulcanization)
(Phenothiazine)

40914

S/204/62/002/001/007/007

I032/I232

11.1260

AUTHORS: Topchiyev, A. V., Fedorova, T. V., Ballod, A. P., Shtern, V. Ya.

TITLE: The mechanism of interaction of alkanes with nitrogen dioxide in the vapor phase.
1. Kinetics and mechanism of the reaction of CH_4 with NO_2

PERIODICAL: Neftekhimiya, v. 2, no. 1, 1962, 71-90

TEXT: The reaction between CH_4 and NO_2 in the vapor phase was studied under initial pressure ranging between 10 and 600 mm Hg in the temperature range between 400° and 600°C on mixtures of compositions $2\text{CH}_4 + \text{NO}_2$ and $4\text{CH}_4 + \text{NO}_2$. The kinetics of the reaction were determined by the initial conditions of pressure and temperature. Accordingly, three types of reaction were observed: 1) A slow reaction. 2) A "cold flame" reaction. 3) An explosive reaction. The composition of the end products varied according to the course of the reaction. The slow reaction of CH_4 with NO_2 was established to be a first order reaction with an activation energy of 33.5 ± 1.3 K cal/mole. The effects of the addition of nitrogen to the reaction mixture, of the variation of the surface to volume ratio of the reaction vessel, of the nature of the reaction vessel surface on the reaction velocity were studied. The addition of nitrogen oxide to the reaction mixture slowed down the initial velocity of NO_2 consumption, while the addition of oxygen in no way affected either the reaction kinetics or the composition of the end products. The effect of addition of CH_3ONO and

Card 1/2

The mechanism of interaction...

S/204/62/002/001/007/007
I032/I232

of HCHO on the kinetics and the mechanism of the reaction was also studied. There are 13 figures and 7 tables. The main English language references are: Hass, Hodge, Vanderbilt, Ind. Engng. Chem. 28, 341, 1936; Hass, Patterson, *ibid.*, 30, 67, 1938; Seigle, Hass, *ibid.*, 31, 687, 1939; Hass, Alexander, *ibid.*, 41, 2266, 1949; Hass, Dorsky, Hodge, *ibid.*, 33, 1138, 1941; Bachman et al., J. Org. Chem., 17, 906, 1952; Bachman et al., *ibid.*, 17, 914, 1952; Bachman et al., *ibid.*, 17, 928, 935, 1952; Wayne, Iost, J. Chem. Phys., 19, 41, 1951; Rosser, Wise, *ibid.*, 24, 493, 1956; Steacie, Atomic and free radical reactions, Reinhold Publishing Corp., N. Y. 1954, p. 239. ✓

ASSOCIATION: Institut nefterkhimicheskogo sinteza, AN SSSR (Institute of Petrochemical Synthesis, AS USSR)

SUBMITTED: January 9, 1962

Card 2/2

S/204/62/002/002/006/007
I060/I242

AUTHORS: Topchiyev, A.V., Ballod, A.P., Fedorova, T.V., and
Shtern, V.Ya.

TITLE: Mechanism of vapor-phase interaction of alkanes with
nitrogen dioxide. 2. Radical-chain reaction mechanism
of CH₄ with NO₂

PERIODICAL: Neftkimiya, v.2, no.2, 1962, 211-228

TEXT: This article is a continuation of a paper published by
the same authors in the Neftkimiya, v.2, no.1, 1962, 71. A low
probability exists for the reaction between methane and NO₂ by a mole-
cular mechanism. A radical-chain process is described for the reaction
of methane with NO₂. It is a branched chain reaction with relatively
weak chains and a high termination rate. Thus, when the termination

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S/204/62/002/002/006/007
I060/I242

Mechanism of vapor-phase interaction...

probability is higher than the probability of branching ($\beta > \delta$), the stationary regime of reaction takes place at a measurable rate (slow reaction). Because of considerable termination, the remaining chain is very short and the slow reaction occurs practically in the same way, as if it were a free-radical reaction. With an increase of temperature or pressure the conditions change into $\beta < \delta$, the regime of reaction becomes non-stationary and chain inflammation takes place. In mixtures very poor in NO_2 such a chain inflammation is of a cold nature and is not transformed into thermal inflammation. There are 1 figure and 2 tables.

Card 2/2

KALIKO, M.A.; PELEVINA, R.S.; PERVUSHINA, M.N.; FELOTOVA, T.V.

Obtaining higher α -olefins of normal structure by the
catalytic conversion of paraffins. Neftekhimiia 5 no.1:
24-32 Ja-F '65. (MIRA 18:5)

ACC NR: AR6026775 (A) SOURCE CODE: UR/0081/66/000/003/S094/S095

AUTHOR: Tarasova, Z. N.; Sanatorskaya, L. G.; Fedorova, T. V.; Eytngon, I. I.;
Kavun, S. M.; Dogadkin, B. A.

TITLE: Effect of the structure of vulcanizing network and rubber compositions on the effectiveness of antifatigue agents

SOURCE: Ref. zh. Khimiya, Part II, Abs. 8S673

REF SOURCE: Sb, Sintez i issled. effektivn. stabilizatorov dlya polimern. materialov. Voronezh, 1964, 138-144

TOPIC TAGS: chemical stabilizer, thermomechanical property, synthetic rubber

ABSTRACT: p-Phenylonediamines, thioamines, biphenols, thiophenols, phosphites and thio phosphites were studied as inhibitors (IN) of thermomechanical and thermal-oxidative degradation. The purity of the polymer has a strong influence on the stabilizing effect of IN. Additional introduction of IN into cured rubbers from raw rubbers treated with stabilizers causes a marked increase in stability only when they form a mutually reinforcing system with the stabilizers of the raw rubber. The composition and nature of the vulcanizing network substantially affect the stability of the cured rubbers and the manifestation of the action of IN. According to chemical relaxation data, the relative effectiveness of the action of IN increases with rising content of the accelerators in the mixtures. Increasing the stability of sulfur-free cured rub-

Card 1/2

L 45716-66

ACC NR: AF6026775

bors by using III is difficult, and can be accomplished only by using certain categories of stabilizers. The introduction of carbon blacks into polyisoprene mixtures causes the thermomechanical and thermal-oxidative stability to decrease, and in the case of polybutadiene mixtures does not decrease the stability of the vulcanizates. M. Otopkova. [Translation of abstract]

SUB CODE: 11

Card 2/2 ULR

KIRPICHNIKOV, P.A.; TARASOVA, Z.N.; BAYEVA, N.A.; FEDOROVA, T.V.

Sulfur-containing polyphosphites and their use as stabilizers
of butadiene-styrene rubbers. Vysokom. soed. 7 no.8:1368-1372
Ag '65. (MIRA 18:9)

Kazanskiy khimiko-tehnologicheskii institut imeni S.M.
Kirova, i. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

TARASOVA, Z.N.; SENATORSKAYA, L.G.; FEDOROVA, T.V.; EYTINGON, I.I.;
KIRPICHNIKOV, P.A.; KAVUN, S.P.; DGGADKIN, B.A.

Effect of the structure of the vulcanizing network on the aging
and fatigue of rubber and development of methods for its stabiliza-
tion. Kauch. i rez. 24 no.7:5-10 JI '65. (MIRA 18:8)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

BLYUMIN, I.Sh.; FEDOROVA, V.A.

Noble's operation in adhesive obstruction of the small intestine.
Khirurgia no.12:66-68 '61. (MIRA 15:11)

1. Iz Tsentral'noy bol'nitsy imeni I.I Pirogova (glavnyy khirurg -
I.Sh. Blyumin) g. Rybysheva.
(INTESTINES—OBSTRUCTION)

AVERBAKH, Mikhail Mikhaylovich, kand. med. nauk; FEDOROVA, T.V., red.;
BUL'DYAYEV, N.A., tekhn. red.

[To the patient with pulmonary tuberculosis] Bol'nomu tuberkulezom
legkikh. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1960. 37 p.
(MIRA 14:7)

(TUBERCULOSIS)

VASYUTA, Yuriy Stepanovich; FEDOROVA, T.V., red.; LYUDKOVSKAYA, N.I.,
tekh.n.red.

[Dysentery] Disenteria. Moskva, Gos.izd-vo med.lit-ry Medgiz,
1960. 19 p. (MIRA 14:3)

(DYSENTERY)

5(2,3)

AUTHORS:

~~Fedorova, T. V.~~, Ballod, A. P., SOV/20-123-5-25/50
~~Topchiyev, A. V.~~, Academician, Shtern, V. Ya.

TITLE:

On the Question of the Kinetic Mechanism of Interaction
Between Methane and Nitrogen Dioxide (K voprosu o kinetiches-
kom mekhanizme vzaimodeystviya metana s dvoukis'yu azota)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 5,
pp 860 - 863 (USSR)

ABSTRACT:

It appears highly probable that the nitrification of alkanes
by NO_2 in the vapor phase occurs with the participation
of free radicals and not on the basis of a molecular mechanism.
So far, however, it could not be clarified whether this is
a free radical process or a chain process. The present paper
is concerned with the solution of this problem. In earlier
paper (Ref 10), the authors differentiated among three types
of methane nitrification: a) slow nitrification, b) nitri-
fication with a maximum, and c) nitrification with inflamma-
tion. In the present paper the experimental results for the
reaction a) (Fig 1) at low conversion degrees are described.

Card 1/3

On the Question of the Kinetic Mechanism of Interaction SOV/20-123-5-25/50
Between Methane and Nitrogen Dioxide

The order of the reaction, both with regard to CH_4 (Fig 2) and with regard to NO_2 (Fig 3), is practically equal to one.

The determination results of the energy of activation E_{Nitr} are presented in figure 4. The tangent of the inclination angle of the straight line corresponds to the value $E_{\text{Nitr}} = 30.5$ Kcal/Mol. In the present case of a process consisting of two parallel reactions - a) nitration of a hydrocarbon, and b) dissociation of NO_2 - the E_{Nitr} value could be deter-

mined in another independent way, viz. from the comparison of the velocities of these two reactions. The steric factor of the methane nitration by means of NO_2 was found to be $f_{\text{Nitr}} = 0.5$. In the course of further experiments, it could be clarified that the reaction is homogeneous. The energies of activation, calculated by the authors for the reaction

$\text{RH} + \text{NO}_2 \rightarrow \text{R} + \text{HNO}_2$ (1), were found to be very close to those

determined experimentally. Therefore, it can be concluded that the kinetic rules found by the authors depend on the reaction (1)

Card 2/3

On the Question of the Kinetic Mechanism of Interaction SOV/20-123-5-25/50
Between Methane and Nitrogen Dioxide

This reaction also constitutes the decisive stage of the process as a whole. I. V. Patsevich confirmed these results by employing a different method. Thus the nitrification mechanism of methane can be interpreted as follows: A complicated introductory production of the alkyl radicals according to reaction (1) is followed by an interaction of these radicals with NO_2 . It apparently occurs with a low energy of activation according to the reactions (a) and (b), as NO_2 is a molecule similar to a radical. It can therefore be stated that the energy of activation 30 Kcal/Mol is the energy of activation of the introductory reaction. There are 4 figures, 1 table, and 17 references, 5 of which are Soviet.

ASSOCIATION: Institut nefi Akademii nauk SSSR (Petroleum Institute of the Academy of Sciences of the USSR)

SUBMITTED: July 18, 1958

Card 3/3

5(4)

AUTHORS:

Ballod, A. P., Molchanova, S. I., SOV/20-123-3-23/54
Topchiyev, A. V., Academician, Fedorova, T. V.,
Shtern, V. Ya.

TITLE:

Three Types of Kinetic Curves of the Interaction of Methane and Propane With Nitrogen Dioxide (Tri vida kineticheskikh krivyykh vzaimodeystviya metana i propana s dnuokis'yu azota).

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 3, pp 464-467. (USSR)

ABSTRACT:

The kinetics of methane and propane nitration by means of nitrogen dioxide was carried out by the authors in a vacuum device with a self-recording colorimetric photometer; thus, the consumption of nitrogen dioxide was recorded. A diaphragm gauge recorded the increase in pressure. According to the composition of the reaction mixture, the initial pressure and temperature 3 types of the reaction course were determined: a) slow reaction (Figs 1a, 2a). A continuous increase in the total pressure up to saturation and a corresponding continuous NO₂- consumption up to 30-50 % (Fig 2a) is a typical feature of this process. In propane the curve of

Card 1/4

Three Types of Kinetic Curves of the Interaction of Methane and Propane With Nitrogen Dioxide

SOV/20-123-3-23/54

increase at 250-300° is S-shaped if there is no high initial pressure and the mixture consists of $C_3H_8 : NO_2 = 1 : 1; 2 : 1$ and $4 : 1$ (Fig 2a). The total pressure sometimes remains practically constant up to 30-40 seconds, although NO_2 is rapidly consumed. In methane nothing of that kind was observed. b) Reaction with a maximum (Figs 1b, 1v, 2v). With an increase in the initial pressure or in temperature the reaction of type a (at constant composition of the mixture) passes to a reaction with a maximum. After a period of 1.5-7 seconds (according to initial conditions) during which an autocatalytic reaction is seen, the pressure increases abruptly, while NO_2 is consumed to a considerable extent or practically completely. The abrupt increase in pressure has no relation with a visible flash. Afterwards, a rapid pressure decrease occurs, sometimes (in the case of propane) down to the initial pressure. It is followed by a slow increase in pressure up to saturation. Figure 2 b shows limiting cases between

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Three Types of Kinetic Curves of the Interaction of Methane and Propane With Nitrogen Dioxide SOV/20-123-3-23/54

reactions of type a and type b. c) Reaction with flash (Figs 1g, 2g). At a further increase in the initial temperature and initial pressure the reaction passes to an actual explosion process. The entire reaction practically ends in a flame, wherein NO_2 is completely consumed. The intensity of the

shining increases at constant temperature with the initial pressure, wherein the pink-reddish-lightblue coloration is turning white-yellow. No luminiscence (Ref 1) was found. The ratio of the pressure increases at the moment of the completed NO_2 consumption to the NO_2 initial pressure in the mixture

$\Delta P_1/P_{\text{initial NO}_2}$ for the reaction between CH_4 and NO_2 depends -

within the limits of the corresponding mixture - neither on the type of the reaction kinetics nor on the initial pressure, nor on temperature. This ratio varies insignificantly with the composition of the mixture. On the other hand, $\Delta P_1/P_{\text{initial NO}_2}$

for the reaction between C_3H_8 and NO_2 is influenced by the

Card 3/4

Three Types of Kinetic Curves of the Interaction of Methane and Propane With Nitrogen Dioxide SOV/20-123-3-23/54

reaction kinetics and composition of the mixture. This ratio is the lowest for the reaction of type b and the highest for type c. There are 4 figures, 1 table, and 1 reference.

SUBMITTED: July 18, 1958

Card 4/4

POPOVA, Galina, Fedorovna; FEDOROVA, T.V., red.; ZAKHAROVA, A.I.,
tekhn. red.

[Hygiene for pregnant and nursing women] Gigena beremnoi i
kormiashchei grud'iu. Moskva, Medgiz, 1960. 39 p.

(PREGNANCY) (WOMEN—HEALTH AND HYGIENE)

(MIRA 15:1)

FEDOROVA, T. V.

Women of the Moscow Subway Construction Administration.
Transp. stroi. 13 no.3:3-4 Mr '63. (MIRA 16:4)

1. Zamestitel' nachal'nika Upravleniya stroitel'stva
Moskovskogo metropolitena Ministerstva transportnogo
stroitel'stva SSSR.

(Women in construction)
(Moscow--Subways)

L 12850-63
RM/WA/JT

EPR/EWP(j)/EPF(o)/EWT(m)/BDS AFFTC/ASD Ps-4/Pr-4/Pc-4

ACCESSION NR: AP3001163

S/0190/63/005/006/0892/0899

84
76

AUTHOR: Tarasova, Z. N.; Eytington, I. I.; Senatorskaya, L. G.; Fedorova, T. V.; Snisarenko, A. M.; Andronova, G. I.; Dogadkin, B. A.

TITLE: Effect of thio-derivatives of amines and phenols in the process of thermo-mechanical treatment and fatigue of vulcanizates

SOURCE: Vy^ssokomolekulyarny^e soyedineniya, v. 5, no. 6, 1963, 892-899

TOPIC TAGS: vulcanizates, fatigue of vulcanizates, thermomechanical treatment, thio-derivatives of amines, thio-derivatives of phenols, rate of oxygen uptake, hydroperoxides, synergistic effect

ABSTRACT: Earlier publications by the authors demonstrated that thermomechanical stresses cause a breakdown and regrouping of the vulcanization network in vulcanizates, the ultimate sheer modulus depending on the course of the regrouping processes. Since similar phenomena are taking place also in thermo-oxidative processes, where a key role belongs to the free radicals, it was logical to assume that the properties of vulcanizates would be influenced by substances capable of controlling the oxidations and the free radicals as well. To this end, thio-derivatives of amines and phenols were chosen, and their effect on the decomposition

Card 1/4

L 12850-63
ACCESSION NR: AP3001163

7

of cumenehydroperoxide and on the kinetics of oxygen uptake by rubber studied, using the electron para-magnetic resonance technique. It was found that in the presence of 0.02 Mol of thiodiphenylamine per 1 Mol of peroxide it takes 90 minutes for its complete decomposition, as against 30 minutes with diphenylamine and 20 minutes without an inhibitor. The addition of 0.5 Millimol of the same amines to 100 gm rubber at 130C showed within one hour a barely noticeable oxygen uptake in the presence of thiodiphenylamine, as against 400 ml/gm for diphenylamine, while the control reached the latter figure within 30 minutes. The thio-derivatives of amines and phenols also showed a much more pronounced effect on the rate of chemical relaxation and a higher fatigue resistance of the vulcanizates as compared with the corresponding amines. An additional advantage of the thio-derivatives is their synergistic effect. It is concluded that the thio-derivatives of amines are more effective, as compared to the amines, in the preservation of the original vulcanization network in the processes of thermo-oxidative and thermomechanical influences. It is mentioned in footnotes that measurements by the electron paramagnetic resonance technique were obtained by Kashlinskaya, A. I. on an installation OKBA of the Goskhimkomitet, and that the spectrum was taken by Kavun, S. M. on a RE-1301 radio-spectrometer of the Scientific Research Institute of the Tire Industry. Orig. art. has: 1 formula, 7 charts, and 3 tables.

Card 2/4

Scientific Research Inst. of the Tire Industry

... .. NR: AP0018783

UR, 0120/00/000/001/0000/0025

678.063:541.68

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041271

APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041271(

... more effective than ... they displayed a synergistic effect in com-
bination with Neozon D. The product of I with triphenylphosphite was especially
effective. Orig. title: ...

ASSOCIATION K...
... (Scientific Research Institute for the Tire Industry)

SUBMITTED: 14 Sep 64

ENCL: 00

SUBJECT: ...

44.5

BOCHAROVA, Z.; VISHNYAK, M., FEDOROVA, V.

Growth of wood-destroying fungi at various temperatures. Khol.tekh.
35 no.5:41-43 S-0 '58. (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy
promyshlennosti (for Bocharova). 2. Trest Soyusantiseptik (for
Vishnyak, Fedorova).
(Fungi)

FEDOROVA, V.

The birthplace of astronautics. Zhil.-kom. khoz. 11 no.10:28-29
0 '61. (MIRA 15:1)

1. Spetsial'nyy korrespondent zhurnala "Zhilishchno-kommunal'noye
khozyaystvo", g. Kaluga.
(Kaluga--Landscape gardening)

FEDOROVA, V.A., rentgenotekhnik (Moskva)

Preparation of the patient for an X-ray examination. Vol'd. 1
akush. no.11:39-41 N '54. (MLRA 7:12)

(GASTROINTESTINAL SYSTEM, radiography
preparation of patient)
(ROENTGENOGRAPHY
preparation of patient)

FEDOROVA, V.A.

FEDOROVA, V.A.

Prolonged presence of foreign body in the nasal cavity and basilar sinus. Vest. oto-rin. 16 no.3:75-76 My-Je '54. (MLRA 7:7)

1. Iz kliniki bolesney ukha, gorla i nosa (dir. prof. A.G.Likha-
chev) i Moskovskogo ordena Lenina meditsinskogo instituta.

(FOREIGN BODIES,

*basilar sinus & nasal cavity, prolonged presence of
bomb fragment)

(NASAL CAVITY, foreign bodies,

*bomb fragment, prolonged presence in nasal cavity &
basilar sinus)

(DURA MATER, foreign bodies,

*bomb fragment, prolonged presence in nasal cavity &
basilar sinus)

FEDOROVA, V.A., (Moskva)

Discovery of X-rays and their use in medicine. Fel'd.i akush.
no.7:43-47 J1 '55. (MLRA 8:10)
(X-RAYS, history)

FEDOROVA, V.A.

SECHECHKIN, V.N., starshiy nauchnyy sotrudnik; FEDOROVA, V.A., nauchnyy sotrudnik.

Penicillin content of the mucous membrane of the upper respiratory tract depending on various ways of administration [with summary in English]. Vest.oto-rin. 19 no.6:44-48 N-D '57 (MIRA 11:3)

1. Iz otdela ostrykh infektsiy (zav.-prof. P.P.Sakharov)
Gosudarstvennogo nauchno-issledovatel'skogo instituta ukha, gorla i nosa (dir.-saslushennyy deyatel' nauki prof. V.K.Trutnev)
(RHINITIS, exper.

penicillin content in mucosa of upper resp. tract following various ways of admin. in rabbits)
(PENICILLIN, admin.

content in mucosa of upper resp. tract in exper. rhinitis following various ways of admin.)
(MUCOUS MEMBRANES, physiol.

penicillin accumulation in upper resp. tract in exper. rhinitis following various ways of admin. in rabbits)

MAIOMUZH, F.F.; KOSACHEVA, A.P.; LUNEVA, A.S.; AMIROV, R.Z.; BUREVA, V.B.;
MARKOVA, V.I.; FEDOROVA, V.A.

Pathogenesis of acute and chronic otitis in children. Trudy
gos. nauch.-issl. inst. ukha, gorla i nosa no.11:199-206
'59. (MIRA 15:6)

1. Iz klinicheskogo otdeleniya detskogo vozrasta Gosudarstvennogo
nauchno-issledovatel'skogo instituta ukha, gorla i nosa.
(EAR--DISEASES)

EXCERPTA MEDICA Sec 8 Vol 12/11 Neurology Nov 59

5707. SOME DETAILS OF THE CLINICAL PICTURE OF TICK ENCEPHALITIS
(Russian text) - Fedorova V. A. - ZH.NEVROPAT. I PSIKHIAT. 1959.
59/3 (321-323)

A description is given of the disease, with predominant atypical and meningeal forms. The clinical picture included alterations in the deep sensitivity and painful Erb's points. In one half of the cases the disease recurred and mepacrine therapy could not prevent the re-infection. The pleocytosis of the CSF was 400-850/cu.mm. Lymphocytosis was frequently observed. (L.8)

*Chair of Nervous Diseases,
Stalingrad Inst. Advanced
Training of Physicians*

BOROZDINA, V.A., zasluzhenny vrach RSFSR; GOL'DBERG, G.A., dotsent;
FEDOROVA, V.A., kand.med.nauk

Treatment of the Guillain-Barre syndrome with prednisone.
Pediatriia no.10:77-79 '61. (MIRA 14:9)

1. Iz 8-y infektsionnoy bol'nitsy (glavnyy vrach V.A. Borozdina),
kafedry terapii No.2 (i.o. zav. G.A. Gol'dberg), kafedry nervnykh
bolezney (zav. - prof. I.I. Kartsovnik) Stalinskogo instituta us-
vershenstvovaniya vrachev (dir. - dotsent G.L. Starkov).
(NEURITIS, MULTIPLE) (PREGNADIENETRIONE)

YERSHOV, V.F.; FELOROVA, V.A.

Comparative evaluation of the aerosol of chromium oxide
condensation and its mixture with chromium anhydride.

Toks. nov. prom. khim. veshch. no.7:162-180 '65.

(MIRA 18:9)

1. Iz gigiyenicheskogo otdela (zav.- prof. L.K. Khotsyanova)
i patologoanatomicheskoy laboratorii (zav.- prof. P.F. Dvishkov)
Instituta gigiyeny truda i professional'nykh zabolevaniy AMN
SSSR (direktor - prof. A.A. Latavet).

FEDOROVA, V. A.

Fedorova, V. A. - The Age Determination of Ukrainian Granitoids.

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957.

Izv. Ak Nauk SSSR, Ser. Geol., No. 1, 1958, p. 115-117 author Pekarakaya, T. B.

FEDOROVA, V. A.

Fedorova, V. A. - Data on the Age of the Caucasus.

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

Izv. Ak Nauk SSSR, Ser. Geol., No. 1, 1958, p. 115-117 author Pekarskaya, T. B.

12 11 22-117, 111

VINOGRADOV, A.P.; TUGARINOV, A.I.; FEDOROVA, V.A.; ZYKOV, S.I.

Age of pre-Cambrian rocks of the Ukraine [with summary in English]
Report no.3 Geokhimiia no.7:559-565 '57. (MIRA 11:1)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo
AN SSSR, Moskva.
(Ukraine--Geology, Stratigraphic) (Nuclear geophysics)

YURZHENKO, T.I.; FEDOROVA, V.A.

Synthesis of veresters of aliphatic dibasic acids. Zhur. org.
khim. 1 no.4:688-691 Ap '65. (MIRA 18:11)

1. L'vovskiy politekhnicheskoy institut.

DEOTEVA, T.G., kand.khimicheskikh nauk; LAZARENKO, Ya.F.;
NOSOV, Yu.A., kand.tekhn.nauk; FEDOROVA, V.G., kand.khimicheskikh
nauk; KUZ'MINSKIY, A.S., doktor khimicheskikh nauk

Aging of rubber seals in oils. Trudy NIIRP no. 6:69-83 '60.
(MIRA 13:12)

(Rubber goods--Testing)

15.9300

26882
S/081/61/000/013/022/028
B117/B203

AUTHORS: Degteva, T. G., Nosov, Yu. A., Lazarenko, Ya. F., Fedorova,
V. G., Kuz'minskiy, A. S.

TITLE: Aging of rubber packings in oil

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1961, 653, abstract
1311331 (Tr. N.-i. in-ta rezing prom-sti, sb. 6, 1960, 69-83)

TEXT: The authors developed a quick method of estimating the service life of CKH-18 (SKN-18) packing rings in oil at $\sim 20^{\circ}\text{C}$. Tests were made in special imitators simulating the packings of machines. Rubber rings originally compressed to 10-30% aged between 60 and 80°C . Deformation and radial compression were periodically measured. A contact pressure of 2.5 kg/cm^2 is sufficient to make the packing completely tight at 20°C . In this connection, $\sim 100\%$ of the permanent elongation (ϵ) is accumulated, and the stress nearly vanishes. After finding the kinetic curves for the accumulation of ϵ , the authors determined the apparent activation energy

Card 1/2

26882
S/081/61/000/013/022/028
B117/B203

Aging of rubber packings in oil

of aging and the service life of packings in joints at 25°C, the latter being about 10 years (considering the correction factor). The service life was practically calculated for 80%. For packings operating at -60°C, the critical value of the contact pressure required for a perfect seal rose from 7.5 up to 13 kg/cm². Leakiness is related with the loss in elastic properties of the rubber. [Abstractor's note: Complete translation.]

Card 2/2

ACCESSION NR: AP4043972

S/0138/64/000/008/0028/0032

AUTHOR: Fedorova, V. G., Smy*slova, R. A.

TITLE: Sealing agents based on liquid Thiokol

SOURCE: Kauchuk i rezina, no. 8, 1964, 28-32

TOPIC TAGS: sealing agent, Thiokol, rubber mechanical property, vulcanization, filler, epoxide resin, lithopone, polysulfide rubber, hermetic sealer, diphenylguanidine

ABSTRACT: The properties (viscosity, color, density, tensile strength, elongation, brittleness, temperature stability, adhesion and dielectric properties) of a large number of hermetic sealers based on liquid Thiokol (U-30, U-30 m, U-30s, UT-31, UT-32, UT-34, UT-35, etc.) were investigated, tabulated and compared. Experiments showed that the rate of vulcanization of liquid Thiokol is influenced by the molecular weight of the starting polymer, temperature, humidity, and the type, activity and amount of vulcanizing agent and accelerator. By adding fillers such as carbon black, epoxide resin or lithopone to the mixture, the tensile strength can be increased from 8-10 to 20-45 kg/cm² and the peeling resistance (from metal) from 0.4-1.0 to 1.5-4.5 kg/cm². The compositions of a variety of sealers based on liquid Thiokol and containing diphenylguanidine as a catalyst

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ACCESSION NR: AP4043972

are given. In a temperature range of 15-30C, complete vulcanization ends in 7-10 days and gives very good physico-mechanical characteristics, which remain unchanged during further vulcanization, as well as good stability in aggressive media. The conversion of pastes to a resinous material is complete in about 1-2 days, when the sealing strength is 8-15 kg/cm². For accelerated vulcanization, heating for 24-35 hours at 50C, 16-24 hrs. at 70C and 12-16 hrs. at 80C is needed. A decrease in temperature decreases the rate of vulcanization. At -40C, vulcanization stops completely. Solvents and coloring agents (10 parts by weight) do not affect the physico-mechanical properties. The variation in the physico-mechanical properties of sealers during catalytic thermal aging is shown by tabulated data. Thiokolbased sealing agents resist sea and fresh water, solvents, acids and alkalis at low concentrations, light and heat aging, and can be used successfully in many applications for insulation against air and humidity. Orig. art. has: 3 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promy*shlennosti (Scientific Research Institute for the Rubber Industry)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

Card 2/2

Fedorova V. I.

USSR / Zooparasitology - Parasitic Worms

G-3

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 857

Author : Kravets, N.L., Fedorova, V.I.

Title : Intensive Invasion by Hog Tapeworm

Orig Pub: Sov. meditsina, 1957, No. 3, 130-131

Abstract: A case of removal by vermifuge of 104 heads of hog tapeworm and strobila with a total length of 128 m (450 g).

*Chair of General Therapy, Stanislaw Med Inst. and
Stanislaw Oblast. Sanitary-Epidemiology Station*

Card 1/1

FEDOROVA, V.I., (Moscow); DVIZHKOV, P.P., professor, zaveduyushchiy; LETAVET, A.A., direktor, deyatvitel'nyy chlen Akademii meditsinskikh nauk SSSR.

Using micro-incineration to silicon dioxide in the lymph nodes in silicosis. Arkh.pat. 15 no.1:41-45 Ja-F '53. (MLRA 6:5)

1. Patologoanatomicheskoye otdeleniye Instituta gigiyeny truda i profzabolevaniy Akademii meditsinskikh nauk (for Dvishkov). 2. Institut gigiyeny truda i profzabolevaniy Akademii meditsinskikh nauk (for Letavet). 3. Akademiya meditsinskikh nauk SSSR (for Letavet).

(Chemistry, Medical and pharmaceutical) (Lungs--Dust diseases)

PAVLOVA, I.V.; FEDOROVA, V.I.

Activity of hyaluronidase of lung tissue in experimental silicosis.
Bor'ba s sil. 2:292-296 '55. (MIRA 9:5)

1. Institut gigiyeny truda i profzabolevaniy Akademii meditsinskikh
nauk SSSR.

(LUNGS--DUST DISEASES) (HYALURONIDASES)

FEDOROVA, V.I.

FEDOROVA, V.I., kand.med.nauk

Symposium on the problem of pneumoconiosis; Moscow, 1957. Vest.
AMN SSSR 13 no.1:82-87 '57. (MIRA 11:2)
(LUNGS--DUST DISEASES)

FEDOROVA, V. I.

SENKEVICH, N.A., kand.med.nauk; FEDOROVA, V.I., kand.med.nauk

Clinical peculiarities of the course of chronic benzene poisoning.
Terap.arkh. 29 no.2:46-51 '57. (MIRA 11:1)

1. Iz gerapevticheskogo otdeleniya kliniki (zav. klinicheskim
otdelom - prof. A.L.Morozov) i patologoanatomicheskoy laboratorii
(zav. - prof. P.P.Dvizhkov) Instituta gigiyeny truda i profzabo-
levaniy AMN SSSR.

(BENZENE, poisoning
clin. course (Rus))

FEDOROVA, V.I.

Symposium on connective tissue. Vest.AMH SSSR 13 no.6:72-77 '58
(MIRA 11:7)

(CONNECTIVE TISSUE)

FEDOROVA, V.I., kand.med.nauk

Fourth All-Union Congress of Anatomists, Histologists, and Embryologists. Vest.AMN SSSR 13 no.10:80-89 '58 (MIRA 11:10)
(ANATOMY--CONGRESSES)

LETAVET, A.A., prof., otv. red.; DVIZHKOV, P.P., prof., red.; MOLOKANOV, K.P., prof., red.; IVANOV, V.I., prof., red.; MOROZOV, A.L., prof., red.; PAVLOVA, I.V., kand. med. nauk, red.; KHUKHRINA, Ye.V., doktor med. nauk, red.; FEDOROVA, V.I., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Transactions of the Symposium on the Problem of Pneumoconiosis; etiology and pathogenesis] Trudy simpoziuma po probleme pnevmokoniozov, 1957; etiologiya i patogenez. Red. kollegiya; A.A. Letavet i dr. Moskva, Gos. izd-vo med. lit-ry, 1959. 275 p. (MIRA 14:5)

1. Simpozium po probleme pnevmokoniozov, 1957. 2. Deystvitel'nyy chlen AMN SSSR (for Letavet). 3. Institut gigiyeny truda i prof-zabolevaniy AMN SSSR, Moskva (for Letavet, Dvishkov, Ivanov, Pavlova, Fedorova)

(LUNGS—DUST DISEASES)

L 18452-63 EFF(c)/EPR/EWP(j)/EWT(m)/BDS Pr-4/Ps-4/Pc-4 RM/MAY/WW/JW
ACCESSION NR: AT3004529 S/2948/61/000/003/0112/0117

AUTHORS: Zayeva, G. N.; Fedorova, V. I.

TITLE: Toxicity of 4-nitrobenzoylcyanacetic ether 69

SOURCE: AMN SSSR, Toksikologiya novy*kh promy*shlenny*kh khimicheskikh veshchestv, no. 3, 1961, 112-117

TOPIC TAGS: toxicity, 4-nitrobenzoylcyanacetic ether

ABSTRACT: The toxicity of 4-nitrobenzoylcyanacetic ether (NBCAE) was investigated via inhalation, peroral administration, and external application. Repeated daily 90-minute exposures of mice to NBCAE vapors of near saturation at 17-18C for a 3-week period caused no ill effects. The peroral administration to mice of 5000 and 500 mg/kg NBCAE was fatal, while 50 mg/kg proved tolerable. The clinical picture of the fatal cases resembled HCN poisoning with symptoms of suffocation and disruption in the coordination of movements. On autopsy the striking feature was the bright red color of the organs and blood. Microscopical examination revealed a sharply defined edematous condition of the brain and a

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pronounced dystrophy of the fibers of the heart muscle. External application of NBCAE on the skin of rabbits produced no ill effects. It is concluded that the toxicity of NBCAE is due to the presence of CN groups and that the clinical and histological pictures indicate an interference in the oxidative processes of the cells, resulting in oxygen starvation. Orig. art. has: 3 pictures and 1 formula.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 21Aug63

ENCL: 00

SUB CODE: CH

NO REF SOV: 000

OTHER: 000

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FEDOROVA, V. I. (Moskva)

Action of graphite dust with a low content of silicon dioxide
under experimental conditions. Arkh. pat. no.8:62-67 '61.
(MIRA 15:4)

1. Iz patologoanatomicheskoy laboratorii (zav. - prof. P. P.
Dvizhkov) Instituta gigiyeny truda i profzabolevaniy AMN SSSR
(dir. - deystvitel'nyy chlen AMN SSSR prof. A. A. Letavet)

(LUNGS—DUST DISEASES)
(GRAPHITE—PHYSIOLOGICAL EFFECT)

AVRUNINA, G.A.; KARAMZINA, N.M.; ~~FEDOROVA, V.I.~~, YANOVSKAYA, B.I.

Biologic action of high energy irradiation. Biul. eksp. biol. i med.
52 no.8:52-56 Ag '61. (MIRA 15:1)

1. Iz Instituta gigiyeny truda i profzabolevaniy AMN SSSR i gruppy
pri deystvitel'nom chlene AMN SSSR B.A.Lavrove, Moskva. Predstavlena
deystvitel'nym chlenom AMN SSSR A.A. Letavetom.
(RADIATION--PHYSIOLOGICAL EFFECT)

ZAYEVA, G.N.; FEDOROVA, V.I.

Functional and pathomorphological changes within the organism during the inhalation action of p-nitroanisole and p-aminoanisole. Toks.nov.prom.khim.veshch. no.4:91-108 '62.

(MIRA 16:1)

1. Sotrudnik patologoanatomicheskoy laboratorii Instituta gigiyeny truda i professional'nykh zabolevaniy AMN SSSR (zav. - prof. P.P.Dvishkov) (for Fedorova).

(ANISOLE—TOXICOLOGY)

KORBAKOVA, A.I.; FEDOROVA, V.I.

"Adaptation" of animals to tetranitromethane. Toks.nov.prom.
khim.veshch. no.4:134-143 '62. (MIRA 16:1)
(METHANE—TOXICOLOGY)

ZAYEVA, G.N.; FEDOROVA, V.I.

Experimental study of aminazine as an industrial poison. Toks.
nov.prom.khim.veshch. no.4:144-166 '62. (MIRA 16:1)
(CHLORPROMAZINE--TOXICOLOGY)

34758

S/020/62/142/003/026/027
B144/B101

27.12.20

AUTHORS: Kurlyandskaya, E. B., Avrunina, G. A., Ponomareva, V. L.,
Fedorova, V. I., Yanovskaya, B. I., and Yarmonenko, S. P.

TITLE: Relative biological efficiency (RBE) of 660 Mev protons

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 3, 1962, 702-705

TEXT: The biological efficiency of 660 Mev protons produced in the 6 m synchrocyclotron of the Ob'yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research) in Dubna was investigated and compared with the effect of x-rays. White mice and rats were whole-body irradiated with doses of 260 - 44,800 rad and 300 - 1600 rad, respectively. The interdependence of perishing time and radiation dose and the influence on the hematopoietic system were similar to those of x-rays, but the relevant RBE was much lower. Irradiations with proton doses of 565 rad and x-ray doses of 400 rad which are about equal as to their lethal effect produced, however, significantly different aftereffects. The gonads proved to be the most sensitive organs (RBE ~ 1). The cancerogenic effect of 660 Mev protons was equal or somewhat stronger than that of x-rays.
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