

PERSHINA, L.A.; NOVIKOV, A.N.; GALOCHKIN, A.I.

Use of hydrolytic lignin for the production of powdered bakelite-type resins. Report No.2: Preparation of resins at a phenol-lignin ratio of 2:1 and 3:1. Izv. TPI 126:46-50 '64. (MIRA 18:7)

PROKHOROVA, I.Ya.; NOVIKOV, A.N.

Improving the quality of carborundum refractories. Ogneupory
29 no.3:137-141 '64 (MIRA 17:3)

1. Vsesoyuznyy institut ogneuporov.

NOVIKOV, A.N.; NEPSHA, A.V.; RODGOL'TS, Yu.S.; KORZHENEVSKIY, A.I.;
GUL'YEV, G.F.; KOZIN, G.N.; KUDRINA, A.P.

Valuable contribution of inventors and efficiency promoters
in the improved technical level of enterprises of refractories.
Ogneupory 29 no. 5:194-196 '64.

Resin-dolomite-magnesite unfired refractories for steel smelting
converters with a top oxygen blow. Ibid.:197-200 (MIRA 17:7)

1. Vsesoyuznyy institut' ogneuporov (for Novikov, Nepscha,
Rodgol'ts). 2. Zavod "Magnezit" (for Korzhenevskiy). 3. Zavod
"Krovorozhstal'" (for Gul'yev, Kozin, Kudrina).

L 42063-65 EWT(m)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5010908

UR/0286/65/000/007/0096/0096

AUTHORS: Alekseyevskaya, Ye. K.; Nechayev, B. A.; Golovanov, N. N.; Shub, I. Ye.;
Novikov, A. N.; Kravets, L. V.

TITLE: A ceramic coating for making casting molds by melting patterns of chemically active metals. Class 31, No. 169762

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 96

TOPIC TAGS: ceramic coating, casting, molding material, magnesite, olivine, foreterite

ABSTRACT: This Author Certificate presents a ceramic coating for making casting molds by melting patterns of chemically active metals. To obtain castings without sand burning pickup, the filler is made up of materials with basic properties, such as magnesite, olivine, foreterite, and 15-30% of binder for the casting sand.

ASSOCIATION: none

SUBMITTED: 01Jul63

ENCL: 00

SUB CODE: MT, MM

NO REF SOV: 000

OTHER: 000

am
Card 1/1

NOVIKOV, A.N.; KRAVETS, L.V.

Peculiarities of resin dolomite refractories. Ogneupory
30 no.4:44-46 '65. (MIRA 18:6)

1. Vsesoyuznyy institut ogneuporov.

ACC NR: AP6029038

(A)

SOURCE CODE: UR/0413/66/000/014/0055/0055

INVENTORS: Mikhailov, I. I.; Novikov, A. H.; Bogdanov, A. S.; Kostyrov, V. A.;
Mikhaylova, M. P.

ORG: none

TITLE: A method for producing an elastic heat-resisting glued joint in metals and in nonmetallic construction materials. Class 22, No. 183858

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 55

TOPIC TAGS: metal gluing, glue welding, glue, construction material, rubber

ABSTRACT: This Author Certificate presents a method for producing elastic heat-resisting glued joints in metals and in nonmetallic construction materials, with pressure applied in the course of gluing, and with the use of two different heat-resisting glues. To insure the elasticity of a glued joint under low gluing pressure, a mixture of two types of glues is used. One of the glues is characterized by low viscosity and frangibility (for instance, phenol polyvinylacetal), while the lower layer is made of an elastic glue (such as phenolic rubber).

SUB CODE: 13, 11/ SUBM DATE: 27Jan65

Card 1/1

UDC: 621.792.4.05

NOVIKOV, A.M.

~~NOVIKOV, A.M.~~
Pseudotumors of the abdominal cavity. *Khirurgiia*, Moskva no. 11:68-
73 Nov 1952. (GLML 23:3)

1. Docent. 2. Of the Hospital Surgical Clinic (Director -- Prof.
G. M. Novikov), Pediatric Faculty, Second Moscow Medical Institute
imeni I. V. Stalin .

1. NOVIKOV, G. M. Prof. NOVIKOV, A. N. Docent
2. USSR (600)
4. Abdomen - Diseases
7. Acute pancreatitis associated with the clinical picture of acute abdomen.
Khirurgiia, no. 12, 1952

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

1. NOVIKOV, A. N. Docent
2. USSR (600)
4. Brain - Wounds and Injuries
7. Unconditioned vascular reflexes in acute stage of cerebral trauma. Zhur. nevr. i psikh. 52 no. 10, 1952.

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

NOVIKOV, A. N.

"Pathogenesis, Clinical Aspects, and Treatment of Concussion of the Brain."
Dr Med Sci, Second Moscow Medical Inst, Moscow, 1953. (RZhBiol, No 4, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (10)

SO: Sum. No 481, 5 May 55

NOVIKOV, A.H.

[Brain concussion; pathogenesis, clinical aspects and treatment]
Sotrasenie mozga; patogenez, klinika i lechenie. Moskva, Medgiz,
1955. 166 p. (MLRA 9:12)
(BRAIN--CONCUSSIONS)

Novikov, A.N.
NOVIKOV, A.N.

Vasomotor reactions under the effect of mental activity in normal states and in cerebral injuries. Zhur.nevr. i psikh. Supplement: 56-57 '57. (MIRA 11:1)

1. Kafedra obshchey khirurgii (zav. - prof. V.I.Struchkov)
lechebnogo fakul'teta I Moskovakogo meditsinskogo instituta.
(BRAIN--WOUNDS AND INJURIES) (BLOOD VESSELS)
(MIND AND BODY)

NOVIKOV, A.M., professor

Onkological research in the R.S.F.S.R. Vop.onk.) no.2:248-252 '57.
(MLRA 10:6)

1. Predsedatel' problemnoy komissii Uchenogo soveta Ministerstva
zdravookhraneniya RSFSR po profilaktike i lecheniyu zlokachestven-
nykh novoobrazovaniy.
(CANCER)

NOVIKOV, A.N.; MARMORSHTEYN, S.Ya.; TRAKHTENBERG, A.Kh.

Angiopneumography as a supplementary diagnostic method in lung cancer.
(WIRA 12:12)
Vop.onk. 5 no.4:449-456 '59.

1. Iz Gosudarstvennogo onkologicheskogo instituta im. P.A. Gertsena
(dir. - prof. A.N. Novikov, nauchnyy rukovoditel' - zasluzhennyy de-
yatel' nauki chlen-korrespondent AMN SSSR prof. A.I. Savitskiy).
Adres avtorov: Moskva, D-284, II Botkinskiy pr., d.3, Gosudarstvennyy
onkologicheskii institut im. Gertsena.

(LUNG NEOPLASMS, diagnosis,
angiopneumography (Rus))

(ANGIOGRAPHY,

pulm. angiopneumography in lung cancer (Rus))

NOVIKOV, A.N. [Wen Ch'yan]; TRAKHTENBERG, A.Kh.; VEN'CHUAN'

Prevention of complications arising during angiopneumography.
(MIRA 14:7)
Vop.onk. 5 no.11:592-599 '59.

1. Iz Gosudarstvennogo onkologicheskogo instituta imeni P.A.Gertsena
(dir. - prof. A.N.Novikov; nauchnyy rukovoditel' - chlen-korrespondent
AMN SSSR prof. A.I.Savitskiy). Adres avtorov: Moskva, 40, 2-y
Botkinskiy proyezd, d.3 Gosudarstvennyy onkologicheskiy institut
imeni P.A.Gertsena. (LUNGS--RADIOGRAPHY)

NOVIKOV, A.N., prof.; KUZNETSOVA, I.P., nauchnyy sotrudnik

Advantages of the combined method of anesthesia in surgery
for pulmonary and mediastinal tumors. Vest.khir. 82 no.4:
95-98 Ap '59. (MIRA 12:6)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo instituta im. P.A.Gertsena (dir. - prof.A.N.Novikov)
Adres avtorov: Moskva, 21-y Votkinskiy proyezd, d.3, Gosudarstvennyy nauchno-issledovatel'skiy onkologicheskiy institut im. P.A.Gertsena.

(ANESTHESIA) (CHEST--SURGERY)

NOVIKOV, A.N., prof.; AGEYENKO, A.I., kand.med.nauk

Research on oncology in the institutes of the Ministry of Public
Health of the R.S.F.S.R. (1958-1960). Biul. Uch. med. sov. 2 no.1:
7-11 Ja-F '61. (MIRA 14:10)

(ONCOLOGY)

NOVIKOV, Aleksandr Nikolayevich; NODICHOV, Vasil'y Vasil'yevich;
KLIONER, L.I., red.; BALDINA, N.F., tekhn. red.

[Results of the surgical treatment of pulmonary cancer] Rezul'-
taty khirurgicheskogo lecheniia raka legkogo. Moskva, Medgiz,
1962. 238 p. (MIRA 15:7)
(LUNGS—CANCER) (LUNGS—SURGERY)

NOVIKOV, A. N.; VOLKOVA, M. A.; KISELEVA, Ye. S.

Radioactive colloidal gold in the combined treatment of lung
cancer. Med. rad. no.4:8-12 '62. (MIRA 15:6)

(GOLD.—ISOTOPES) (LUNGS—CANCER)

NOVIKOV, A. N.; GARIN, N. D.

Technic for using the UKL-60 apparatus in resection of the lung for cancer. Grud. khir. 4 no.3:13-17 My-Je '62.
(MIRA 15:7)

1. Iz torakal'nogo khirurgicheskogo otdeleniya (zav. N. D. Garin) Gosudarstvennogo onkologicheskogo instituta imeni P. A. Gertsena (dir. - prof. A. N. Novikov)

(LUNGS—CANCER) (LUNGS—SURGERY)

NOVIKOV, A.N., prof.; GARIN, N.D., doktor med.nauk; GOL'BERT, Z.V.,
kand.med.nauk; VOLKOVA, M.A., kand.med.nauk; KISELEVA, Ye.S.,
kand.med.nauk; MATVEYEVA, T.N., kand.med.nauk; YAVAKIN, A.D.,
kand.med.nauk

Initial experience in the combined treatment of pulmonary
cancer. Khirurgiia no.8:22-28 Ag '62. (MIRA 15:8)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo
instituta imeni P.A. Gertsena (dir. - prof. A.N. Novikov) Mini-
sterstva zdravookhraneniya RSFSR.
(LUNGS--CANCER)

NOVIKOV, A. N.; MARMORSHTEYN, S. Ya.; TRAKHTENBERG, A. Kh.

Selective angiopneumography in lung cancer. Vop. onk. 8 no.2:
45-51 '62. (MIRA 15:2)

1. Iz khirurgicheskogo (nauch. rukov. - prof. A. N. Novikov) i rentgenodiagnosticheskogo (zav. - prof. Ye. E. Abarbanel') otdeleniy Gosudarstvennogo onkologicheskogo instituta im. P. A. Gertsena (dir. - prof. A. N. Novikov). Adres avtorov: Moskva, 2-y Botkinskiy proyezd, 3, Onkologicheskii institut im. P. A. Gertsena.

(LUNGS—CANCER) (ANGIOGRAPHY)

NOVIKOV, A.M., prof. (Moskva)

International significance of Soviet oncology. Sov. zdrav. 21 no.6:
9-14 '62. (MIRA 15:5)

(ONCOLOGY)

NOVIKOV, A.N.; MARMORSHTEYN, S.Ya.; TRAKHTENBERG, A.Kh.

Mediastinal phlebography in tumors of the mediastinum. Vest.
rent. i rad. 37 no.5:9-13 S-O '62. (MIRA 17:12)

1. Iz torakal'nogo (zaveduyushchiy - doktor med. nauk N.D. Garin)
i rentgenodiagnosticheskogo (zaveduyushchiy - prof. Ye.E. Abarbanel')
otdeleniy Gosudarstvennogo onkologicheskogo instituta imeni P.A.
Gertsena (direktor - prof. A.N. Novikov). Adres avtora: Moskva
D.284, Begovaya alleya, dom 3, kvartira 191.

NOVIKOV, A.N., GARDN, N.D.; RODIONOV, V.V.

Lobectomy in lung cancer. Grudn. khir. 5 no.3:54-58 My-Je'63
(MIRA 17:1)

1. Iz Gosudarstvennogo onkologicheskogo instituta imeni P.A.
Gertsena (dir. - prof. A.N.Novikov. Adres avtorov: Moskva,
2-y Botkinskiy pr., d.3, Onkologicheskii institut imeni Ger-
tsena.

NOVIKOV, A.N., prof., doktor na med. nauki; RADIONOV, V.V.

On the problem of the clinical picture in the remote period
after pneumonectomy in lung cancer. Khirurgiia 16 no.1 3-11
'63.

1. Onkologichen institut "P.A. Khertsen". Direktora: prof.
A.N. Novikov.

(LUNG NEOPLASMS) (PNEUMONECTOMY)
(OXIMETRY) (RESPIRATION)
(CARDIOVASCULAR SYSTEM)

NOVIKOV, A.N., prof.; RADIONOV, V.V., doktor med. nauki

On the problem of the status of external respiration and cardiac activity in the remote period after pneumonectomy in lung cancer. *Khirurgiia (Sofia)* 16 no.3:217-230 '63.

(RESPIRATORY FUNCTION TESTS)

(HEART FUNCTION TESTS)

(PNEUMONECTOMY) (LUNG NEOPLASMS)

NOVIKOV, A.N., prof.

In the European Committee of the World Health Organization.
Vop. onk. 8 no.9:116-117 '62. (MIRA 17:6)

NOTICE: All information contained
herein is unclassified, but may
be exempt from automatic
downgrading and
declassification.

NOVIKOV, A.N., prof.; VALUYEVA, I.M.

Proceedings of the 93rd Conference of the Scientific Society
of Oncologists of Moscow and Moscow Province, March 26, 1964.
Vop. onk. 10 no.12:98-99 '64. (MIRA 18:6)

NOVIKOV, A.N.; GARIN, N.D.; TRAFIMENKO, A.F.; BUDAKOVA, K.O.

Methodology of regional perfusion chemotherapy of the lungs
for malignant neoplasms. Vest. AN SSSR Meditsinskaya Akad. Nauk
(MIRA 1976)

1. Iz 1-go khirurgicheskogo otdeleniya (zav. - doktor med. nauk
N.D.Garin) i laboratorii tsitologii (zav. - kandidat nauk
I.F.Terent'ev) onkologicheskogo instituta imeni N.I.Pavlova
onkologicheskogo instituta imeni N.I.Pavlova (zav. - doktor med. nauk
Novikov) Moskva.

... ..
... ..
... ..
... ..
... ..
... ..

NOVIKOV, A.N., p. f.; BUELOVAN, G.L., p. f.; BUELOVAN, V.G.

The 95th meeting of the ... of the ...
Moscow and 1955.

(MIRA 1812)

SAVITSKIY, A.I., prof.; NOVIKOV, A.N., prof.

Report on plenary of the All-Union Scientific Medical Society
of Oncologists. Vop. onk. 11 no.8:115 '65.

(TRA 18:11)

NOVIKOV A.N., prof.; VALUYEVA, I.M.

Proceedings of the 100th Jubilee Meeting of the Scientific Society
of Oncologists of Moscow and Moscow Region. Vop. onk. 11 no.10:121-123
'65. (MIRA 18:10)

1. President of the Scientific Society of Oncologists of Moscow
and Moscow Region (for Novikov). 2. Secretary of the Scientific
Society of Oncologists of Moscow and Moscow Region (for Valuyeva).

LAZOVSKIY, V.A.; NOVIKOV, A.N.; VED'KALOV, I.A.; MIROKOV, M.P.

Guniting open-hearth furnaces at the Izhora Plant. Stal' 2^o
no.4:322-324 Ap '65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
ogneuporov i Izhorskiy mashinostroitel'nyy zavod.

NOVIKOV, A.N.; GARIN, N.D.; DANIYEL'-BEK, K.V.; KOLYADYUK, I.V.;
LAVNIKOVA, G.A.; TRAKHTENBERG, A.Kh.; SHITKOV, K.G.

Chemotherapy of malignant tumors by the perfusion method.
Khirurgiia 41 no.4:3-9 Ap '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy onkologicheskii institut imeni
Gertsena (dir. - prof. A.N. Novikov), Moskva.

ACC NR: ART004028

SOURCE CODE: UR/0081/66/000/020/M008/M08

AUTHOR: Novikov, A. N., Prokhorova, I. Ya.

TITLE: Analysis of the properties of silicon carbide products with additions of high-refractory oxides

SOURCE: Ref. zh. Khimiya, Part II, Abs. 20M64

REF SOURCE: Tr. Vses. in-ta nauchno-issled. i proyekt. rabot ogneporn. prom-sti, vyp. 37, 1965, 3-14

TOPIC TAGS: silicon carbide, refractory oxide, refractory product mass, oxidation, refractory addition

ABSTRACT: Silicon carbide containing 5—10% SiO_2 and 5—10% ZrO_2 are found to have the best mechanical properties: porosity 21.4—22.8%; yield strength during compression 524—630 kg/cm^2 ; bend strength 335—428 kg/cm^2 ; wear resistance 2.19—3.40 mm; thermal stability > 25 heating-casting cycles; deformation under load as follows: onset of failure at 1610—1630 dc; 40% reduction at 1670—1800°; thermal conductivity at 800C 10—11 kcal/m-hour-degree; linear expansion coef-

Card 1/2

ACC NR: AR7004028

efficient $5.2-5.6 \cdot 10^{-6}$ at $20-1400^{\circ}\text{C}$. Products from such compounds are noted for their high temperature oxidation resistance. No indication of slagging was noted following 5 annealings at up to 145°C . Compounds with 5-10% SiO_2 show the least silicon-carbide oxidation. Addition of 5-10% TiO_2 results in high density products with apparent porosity of 14-18% and high abrasion resistance of up to 1.8-2 mm. However, repeated annealing (<4 times at 1450°C is maximum) reduces the heat resistance and increases the oxidation of silicon carbide. The use of Cr_2O_3 as an addition is not recommended in the manufacture of silicon carbide products, since they show high porosity (23.6-24.9%) and low abrasion resistance (4.14-4.8 mm). An oxide content above 10% is not desirable. Further tests of an silicon-carbide compound containing 5-10% SiO_2 and 5-10% ZrO_2 are recommended. Orig. art. has a bibliography of 8 reference items. Authors' abstract. [Translation of abstract] [AM]

SUB CODE: 11/

Card 2/2

VEL'MOZHIN, Aleksandr Vasil'yevich; NOVIKOV, Aleksandr Nikolayevich;
FILIN, A.G., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Organization of transport operations in the construction of
hydroelectric power stations] Organizatsiia perevozok na
stroitel'stve GES. Moskva, Avtotransizdat, 1963. 54 p.
(MIRA 16:7)

(Hydroelectric power stations)
(Transportation, Automotive)

ALEKSANDROV, S.V., kand.sel'skokhoz.nauk; BOGUSEVSKIY, A.A., kand.tekhn.nauk; VASHCHENKO, S.F., kand.sel'skokhoz.nauk; GERASIMOV, B.A., kand.sel'skokhoz.nauk; GROMOV, H.G. [deceased]; KORBUT, V.A.; KUDREVICH, I.A.; MAMAYEV, M.G., kand.tekhn.nauk; NOVIKOV, A.P.; OSMITSKAYA, Ye.A.; SIMANOVSKIY, A.Yu.; SLEPTSOV, S.A.; SPIRIDONOVA, A.I.; TARAKANOV, G.I., kand.sel'skokhoz.nauk; CHENYKAYEVA, Ye.A.; KITAYEV, S.I., red.; FILATOV, N.A., zasluzhennyy agronom RSFSR; GRUDINKINA, A.P., red.; MARTYNOV, P.V., red.; ARTSYBASHEVA, A.P., tekhn.red.; BARBASH, F.L., tekhn.red.

[Vegetable growing under cover] Ovoshchevodstvo zashchishchennogo grunta. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1960. 279 p.
(MIRA 13:12)

(Vegetable gardening) (Greenhouses)
(Hotbeds)

LOBANOV, Ye.M.; NOVIKOV, A.P.; KHAYDAROV, A.A.; GUREVICH, L.G.,
otv. red.; KISELEVA, V.N., red.; KARABAYEVA, Kh.U.,
tekhn. red.

[Activation analysis in conditions of geological bore-
holes] Aktivatsionnyi analiz v usloviakh geologicheskikh
skvazhin. Tashkent, Izd-vo AN Uzb.SSR, 1963. 66 p.
(MIRA 17:2)

Novikov, A.P.

Novikov, A. P. A new solution of the indeterminate equation

$ax^2 + by^2 + cz^2 = 0$. Doklady Akad. Nauk SSSR (N.S.)

61, 205-206 (1948). (Russian)

The author considers the Diophantine equation

(1) $ax^2 + by^2 + cz^2 = 0$,

a, b, c , integers, to be solved in integers x, y, z , which are relatively prime by pairs. He proves that if (2) $x = \alpha, y = \beta, z = \gamma$, is a solution of (1), then all solutions are given by

(3)
$$\begin{cases} \pm x = t_1 + t_2, \\ \pm y = \beta(t_1 - t_2) - 2t_1\gamma c, \\ \pm z = \gamma(t_1 - t_2) + 2t_1\beta b, \end{cases}$$

where t_1, t_2, t_3 are parameters taking on integral values which satisfy (4) $t_1 t_2 = t_3^2 bc$. From the fact that (2) satisfies (1) we have the condition (5) $a = -(b\beta^2 + c\gamma^2)$. Using (4) and (5) one readily verifies that the x, y, z , given in (3), satisfy (1). Conversely, starting with an arbitrary solution x, y, z of (1), consider the equations

$$\begin{cases} \pm 2ax = t_1 + t_2, \\ \pm 2ay = \beta(t_1 - t_2) - 2t_1\gamma c, \\ \pm 2az = \gamma(t_1 - t_2) + 2t_1\beta b, \end{cases}$$

and solve for t_1, t_2, t_3 , as

$$\begin{cases} t_1 = ax \pm (\beta by + \gamma cz), \\ t_2 = ax \mp (\beta by + \gamma cz), \\ t_3 = \beta z - \gamma y. \end{cases}$$

Then using (5) one can show that these t_1, t_2, t_3 satisfy (4). Replacing t_1 by $2at_1$, and noting that (4) still holds, completes the proof. H. N. Shapiro (New York, N. Y.).

Source: Mathematical Reviews,

Vol 10, No. 1

SMAS
10/26

NOVIKOV, A.P.

Homogram for solving trinomial equations. Elektrichestvo no.1:
84 Ja '56. (MLRA 9:3)

(Polynomials)

NOVIKOV, A. P.

Number of classes of fields in complex multiplication. Izv.
AN SSSR. Ser. mat. 26 no.5:676-686 S-0 '62.
(MIRA 15:10)

(Numbers, Complex) (Multiplication)

NOVIKOV, A. ~~И~~ (P)

NOVIKOV, A. I. (Candidate of Veterinary Sciences).
Relapse of epizootic equine lymphangitis (blastomycosis).

Source: Veterinariya; 4-5; April/May 1945 uncl P 21
TAECON

NOVIKOV, A. P.

"On blastomycosis (epizootic lymphangitis) in horses," In symposium: Nauch. prakt. raboty voyen-vet. sluzhby, Moscow, 1948, pp. 8-61

SO: U-3850, 16 June 52, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

USSR/Medicine (Veterinary) - Infectious Diseases Jan 51

"New Data on Blastomycosis (Epizootic Lymphangio-itis) of Horses," A. P. Novikov

PL 174738

"Priroda" Vol XL, No 1, pp 64, 65

Reviews USSR work on subject (16 ref). Novikov states he and his group proved the disease is caused by Cryptococcus farcinosus, strains of which have been isolated and bred. Describes new methods of diagnosis accepted by All-Union Conf

LC

174738

USSR/Medicine (Veterinary) - Infectious Diseases (Contd) Jan 51

on Blastomycosis, Moscow. States Nile blue sulfate combined with tannin is good remedy, although it requires further testing.

LC

174738

NOVIKOV, A. P.

NOVIKOV, A.P., kandidat veterinarnykh nauk.

Effective therapy of bovine trichophytosis. Veterinariia 36 no.4:
47-48 Ap '53. (MLRA 6:4)

NOVIKOV, A.P.

Oxygen therapy of trichophytosis in calves. Vest. ven. i derm. no.4:
58 J1-Ag '54. (MLRA 7:8)

1. Iz Ul'yanovskogo sel'skokhozyaystvennogo instituta.
(RINGWORM) (CALVES--DISEASES)

NOVIKOV, A. P.

USSR/Medicine - Veterinary, Fowl Cholera

Card 1/1

Author : Novikov, A. P., Candidate in Veterinary Sciences, City of Ul'yanovsk

Title : Spring rooks, the carriers of fowl cholera

Periodical : Veterinariya, 31, 27, Apr 1954

Abstract : Incidence of fowl cholera (pasteurellosis, hemorrhagic septicemia) was observed among chickens, ducks, and other domesticated birds on state farms of the Ul'yanovsk Oblast. Autopsy of rooks that died in their nests or while in flight revealed that they died from fowl cholera. These rooks brought the disease with them during their migration. Since rooks have the habit of building their nests in chicken coops of farmsteads they can easily transmit fowl cholera to other birds. These facts must be borne in mind when making a study of the epizootiological factors.

Institution :

Submitted :

NOVIKOV, A. P.
USSR Microbiology. Medical and Veterinary
Microbiology.

F-6

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35673

Author : Novikov, A.P.

Title : Staining the Stimulator of Cholera in
Birds.

Orig Pub: Veterinariia, 1956, No. 6, 80-81

Abstract: 2 methods of staining Pasteurellae, the causa-
tive agent of bird cholera with pyocytania
(methyl violet) are proposed. In the first
variant carried out in field research, filter
paper, treated with pyocytania, is applied to
a smear fixed on a flame and then moistened
with water. It is stained in one minute when
heated to boiling. In the second variant of the
method applied under laboratory conditions, the

Card 1/2

NOVIKOV, A.P.; SOLOV'YEV, N.A.

Electric stimulation as recorded from the motor point and the
nerve (in health and under the influence of some pharmacological
agents). Trudy VNIIMIO no.3:171-175 '63 (MIRA 18:2)

NOVIKOV, A.P.

Frequency characteristics of threshold tension for man and some
laboratory animals. Trudy VNIMIO no.3:175-178 '63
(MIRA 18:2)

NOVIKOV, A.P.; SOLOV'YEV, S.A.

Resistance of the areas of optimum frequencies in electro-
stimulation of the neuromuscular apparatus. Nov. 21, 1964.
no.: 127-131 16%. (MIRA 18:11)

NOVIKOV, A. P., Engineer

Cand. Techn. Sci.

Dissertation: "Investigation of the steamless run of locomotives and performance of the extensible slide valves in high power locomotives." 15 Jun 49

Moscow Order of the Labor Red Banner Electro-mechanical of Railroad Eng. Inst

**SO Vecheryaya Moskva
Sum 71**

F. E. Dzerzhinskiy

NOVIKOV, A.P., dotsent, kandidat tekhnicheskikh nauk.

Frictional forces in ring slide valve-gear bushings. Trudy MEIIT
no.62:165-168 '53. (MLRA 7:12)

(Locomotives--Valve-gears)

SOV 124 58 2 159

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p. 17 (USSR)

AUTHOR: Novikov, A. P.

TITLE: ~~The Analysis of the Disc Motion in Trofimov's Slide Valve~~
(Issledovaniye dvizheniya diska zolotnika Trofimova)

PERIODICAL: Tr. Mosk. in-ta inzh. zh.-d. transp., 1955, Nr 82-3, pp 186-199

ABSTRACT: The author considers the conditions which permit lag between the discs of Trofimov's slide valves and the thrust plates when a locomotive moves with open throttle.

A. N. Kostyuko

Card 1/1

SOV 124-58-10-10842

Translation from: Referativny zhurnal. Mekhanika. 1958 Nr 10 p 18 (USSR)

AUTHOR: Novikov, A. P.

TITLE: Determination of the Speed of a Locomotive and Railway Cars in the Process of Starting up From a Standstill (Opredeleniye skorosti dvizheniya lokomotiva i vagonov v protsesse troganiya poyezda s mesta)

PERIODICAL: Tr. Mosk. in-ta inzh. zh. d. transp., 1958, Nr 89 pp 391-407

ABSTRACT: The calculation scheme consists of solids connected among each other by links possessing the basic properties of automatic couplings equipped with shock absorbing devices. Correlating the work of traction force, friction, and previously compressed elastic coupling elements with the kinetic energy of the accelerated masses, the author finds the speeds for motion along horizontal and along inclined tracks. A graphoanalytical method for determining the speeds is also given.

K S Kolesnikov

Card 1/1

NOVIKOV, A.P.

Determining maximum stresses occurring in the automatic
coupler in the starting of the train. Trudy MIIT no.110:
195-209 '59. (MIRA 13:4)
(Car couplings)

BABICHKOV, Abram Mikhaylovich, prof.; YEGORCHENKO, Valentin Filippovich.
Prinimali uchastiye: NOVIKOV, A.P., dots.; AERASHIN, I.I., inzh.;
BABICHKOV, V.A., dots.; KOROSTYLEV, A.I., inzh., retsenzent;
MOROZOV, M.A., inzh., retsenzent; SOBAKIN, V.V., inzh.red.; BOBKOVA, Ye.N.,
tekh.red.

[Train traction and the use of specialized electronic computers
for traction calculations] Tiaga poezdov i primeneniye spetsializirovannykh elektronnykh vychislitel'nykh mashin dlia tiagovykh raschetov. Ind.4., dop. i perer. Moskva, Transzheldorizdat, 1962.

262 p.

(Electronic calculating machines) (Locomotives) (MIRA 15:6)

NOVIKOV, A. P.

Increasing the track maintenance rates. Put' 1 put. khoz. 6
no.10:6-7 '62. (MIRA 15:10)

1. Nachal'nik putevoy mashinnoy stantsii No. 40, stantsiya
Kalikino, Gor'kovskoy dorogi.

(Railroads—Maintenance and repair)

BABICHKOV, A.M., doktor tekhn.nauk, prof.; NOVIKOV, A.P., kand.tekhn.nauk,
dotsent

Numerical methods for solving the equation of the movement of a
train operated by automatic control. Trudy MIIT no.161:80-91
'63. (MIRA 17:4)

NOVIKOV, A.S., kand. tekhn. nauk, Piskunov

Investigating some instability factors conditions of work . . . 117
MIT no. 164-138-149 '64.

21

AUTHORS: Khaydarov, A.A., Romanov, M.N., and
Novikov, A.P.

06380
SOV/166-59-5-7/9

TITLE: Single-Channel Differential Analyzer for Amplitudes

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-
matematicheskikh nauk, 1959, Nr 5, pp 64-70 (USSR)

ABSTRACT: The authors describe a γ -spectrometer developed by them, the
block scheme of which consists of the following principal terms:
1. Source of the γ -radiation; 2. Crystal scintillator; 3. Photo-
electronic multiplier; 4. High-voltage rectifier; 5. Amplifier
with a limiter; 6. Analyzer with sampling of anticoincidences;
7. Scaler with an electromechanic counter; 8. Supply unit. As a
proof for the usefulness of the device the authors give the
 γ -spectra of the radio isotopes Cr⁶¹, Co⁶⁰, Cs¹³⁷, Zn⁶⁵ obtained
with it. There are 4 figures. and 2 Soviet references.

ASSOCIATION: Institut yadernoy fiziki AN Uz SSR (Institute of Nuclear Physics
AS Uz SSR)

SUBMITTED: February 1, 1959

Card 1/1

Transactions of the Tashkent (Cont.)

SOV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor of Biological Sciences. Ed.: R. I. Khamidov; Tech. Ed.: A. G. Babakhanova.

REFERENCE . The publication is intended for scientific workers and specialists employed in enterprises where radioactive isotopes and nuclear radiation are used for research in chemical, geological, and technological fields.

COVERAGE . This collection of 133 articles represents the second volume of the Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy. The individual articles deal with a wide range of problems in the field of nuclear radiation, including: production and chemical analysis of radioactive isotopes; investigation of the kinetics of chemical reactions by means of isotopes; application of spectral analysis for the manufacturing of radioactive preparations; radioactive methods for determining the content of elements in the rocks; and an analysis of methods for obtaining pure substances. Certain

Card 2/20

Transactions of the Tashkent (Cont.)

SOV/5410

Instruments used, such as automatic regulators, flow meters, level gauges, and high-current stability power relays, are described. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION
IN ENGINEERING AND GEOLOGY

Lobanov, Ye. M. [Institut yadernoy fiziki UZSSR - Institute of Nuclear Physics AS UZSSR]. Application of Radioactive Isotopes and Nuclear Radiation in Uzbekistan 7

Takbar, I. M., and V. A. Yanushkovskiy [Institut fiziki AN Latv SSR - Institute of Physics AS Latvian SSR]. Problems of the Typification of Automatic-Control Apparatus Based on the Use of Radioactive Isotopes 9

Card 3/20

Transactions of the Tashkent (Cont.)

SOV/5410

Kharushchev, V. G., A. S. Lepilin, U. Ya. Margulis, S. M. Stepanov,
L. I. Belen'kiy, T. V. Drobent, and V. G. Ivliyev [Ministry of
Health USSR]. Industrial Gamma-Plant for Sterilization of Medical
Materials 170

Kharushchev, V. G., B. A. Rubin, L. V. Metlitskiy, A. I. Rytov,
M. M. Gysin, U. Ya. Margulis, V. S. Gracovskiy, V. G. Vlasov,
and A. V. Petrov [Ministry of Health USSR]. Gamma-Plant for
Continuous Irradiation of Potatoes 182

Frokoef'yev, M. G. [Institut ekonomiki AN SSSR - Institute of
Economics AS USSR]. Economic Efficiency of the Use of High-
Capacity Gamma-Plants in the Light and Food Industry 192

Abdullayev, A. A., Ye. M. Lobanov, A. P. Novikov, and A. A.
Khaydarov [Institute of Nuclear Physics AS USSR]. Use of
a Multichannel Scintillation Gamma-Spectrometer for the Analysis
of Rock Specimens 199

Card 10/20

Transactions of the Tashkent (Cont.)

30V/5410

Abdullayev, A. A., A. P. Novikov, Ye. N. Lobanov, M. M. Retanov,
and A. A. Dzhaylarov [Institute of Nuclear Physics AS USSR].
Determination of Indium Content in Sphalerites by the Method of
Radioactive Analysis 203

Iskandarov, Ye. M., O. M. Romanov, M. M. Romanov, and A. A.
Fayzlarov. Determination of Copper and Manganese Content in
Atsylyk Ore Deposits by the Method of Neutron Radioactive
Analysis 203

Abdullayev, A. P., P. L. Gurika, and D. K. Kaipov [Institute
of Nuclear Physics KazSSR]. Application of Monte Carlo
Method for the Investigation of Gamma-Quanta Passage Through
a Substance 212

Grushkov, A. P., and G. S. Semenov [Institut geologii i raz-
rabotki goryuchikh iskopayemykh AN SSSR - Institute of Geology
and Production of Mineral Fuels AS USSR]. Radiometric Appara-
tus Used in Prospecting for Oil and Gas 220

Card 11/20

Transactions of the Tashkent (Cont.) SOV/5410

| | |
|---|------------|
| of Geological Specimens | 277 |
| by G. A. Pilyayev, G. A. Pilyayev, Ye. M. Lobanov, A. P. Mordukhai, and G. A. Pilyayev [Institute of Nuclear Physics AS USSR]. The Determination of Lead Percentage in Concentrates | 282 |
| by G. A. Pilyayev, B. G. D. P. Gergelov, E. M. Kardarova, L. R. Pilyayev, V. Pilyayev, A. I. Lobanov, Ye. S. Skolobovitch, A. S. Pilyayev. Results of the First Industrial Tests of a Neutron Counter in Oil Wells | 285 |
| by G. A. Pilyayev, A. M. Saitov, and L. P. Stetschik [Institute of Nuclear Physics AS USSR - Mining Institute AS USSR]. Use of Alpha Radiation of Po ²¹⁰ for the Quantitative Control of Element Productions Containing Beryllium, Boron, Fluorine, and Aluminum | 293 |
| Prilozheniya, R. A., and B. B. Nefedov [Vsesoyuznyy n.-i. institut tekhnicheskii sel'skogo khozyaystva - All Union Scientific Center for Agricultural Engineering] | Part 14/20 |

S/166/60/000/004/005/008
C111/C222

AUTHORS: Abdullayev, A.A., Lobanov, Ye.M., Novikov, A.P. and
Khaydarov, A.A.

TITLE: Radioactive Analysis of Skarns¹⁹ (Silicate Contact Gaugue) of
the Ingichka Occurrence

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR. Seriya fiziko-
matematicheskikh nauk, 1960, No.4, pp. 65-74.

TEXT: The paper contains results on the practical measurement of the concentration of W, Mn, Na, Al and Fe in the skarns of the Ingichka tungsten occurrence. The measurements were carried out according to a method elaborated by the authors (Ref.3) which permits to prove simultaneously several elements in a test without destroying of the test. For this aim the tests were radiated by neutrons; that led to the origin of radioactive isotopes. Then the identification of the elements in the test was performed simultaneously according to the half-life and according to the energies of the γ -radiation. Here the half-life curves were traced for every element in a special region of energy being characteristic for the element. The experiments have

Card 1/2

3/166/60/000/005/004/008
C111/C222

AUTHORS: Abdullayev, A.A., Lobanov, Ye.M., Novikov, A.P., Khaydarov, A.A.,
and Romanov, M.M

TITLE: Analysis of Activated Samples of Ore With the Aid of Scintillation
Gamma-Spectrometers

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-
matematicheskikh nauk, 1960, No. 5, pp.48-56

TEXT: The authors propose a method permitting an analysis of multiple-
component materials without a radiochemical separation of the isotopes.
The analysis of the samples radiated with neutrons is carried out with
the aid of a multi-channel scintillation gamma-spectrometer which records
the total spectrum of gamma radiations of the mixture of radioactive
isotopes. In order to separate the radiations of the single isotopes the
timely change of the intensity of the different spectral lines being
characteristic for the isotope in question, is considered. By such a
modification of the usual method it becomes possible to identify the
elements according to the half-life as well as to the energies of the
gamma lines of corresponding radioactive isotopes. Thereby it becomes
possible, for complicatedly composed ores to prove the single elements.

Card 1/5

S/166/60/000/005/004/008
C111/C222

Analysis of Activated Samples of Ore with the Aid of Scintillation Gamma Spectrometers

qualitatively as well as quantitatively. The quantitative proof is carried out by a comparison with known standard samples. The authors report especially on the application of the method for the analysis of the In-content in sfalerite ores and of the Cu and Mn-content in granitic ores. A diagram is given for the decrease of the activity of the elements appearing in sfalerites.

Card 2/5

S/166/60/000/005/004/008
C111/C222

Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

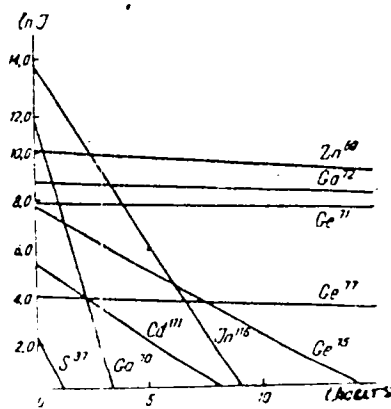


Рис. 3. Расчетные кривые спада активности элементов.

Card 3/5

S/166/60/000/005/004/008
C111/C222

Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

Fig. 3. Calculated curves for the decrease of the activity.
The diagram fig.5. serves for the determination of the % content of In in ores with a different content of ZnS.

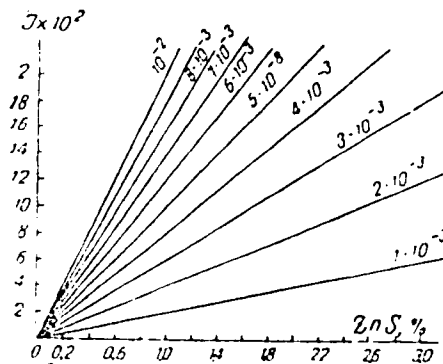


Рис. 5. Номограмма для определения процентного содержания In в руде с различным процентным содержанием ZnS.

Card 4/5

S/166/60/000/005/004/CCB
C111/C222

Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

Fig. 5. Nomogram for the determination of the % content of In in ores with a different % content of ZnS.

There are 4 tables, 5 figures and 5 references: 4 Soviet and 1 American

ASSOCIATION: Institut yadernoy fiziki AN Uz SSR (Institute of Nuclear Physics of the Academy of Sciences Uzbekskaya SSR)

SUBMITTED: March 6, 1960

Card 5/5

S 075 60/018 016 113 018
B020/B066

AUTHORS: Abdullayev, A. A., Lobanov, Ye. M., Novikov, A. P.
Romanov, M. M., and Khaydarov, A. A.

TITLE: Determination of Indium Content in Sphalerites by Radio-
activation Analysis

PERIODICAL: Zhurnal analiticheskoy khimii, 1960, Vol. 15, No. 6,
pp. 701-705

TEXT: The authors made an attempt of developing a method for the indium determination in sphalerites by means of direct measurement of the energy spectra of the test sample by a γ -scintillation spectrometer. The production of radioisotopes of indium according to the reaction (n,γ) was used as a basis for the method. The nuclear characteristics of the elements occurring in sphalerites are given in Table 1. The device applied consists of a special lead casing (with the spectrometric monocrystal NaI(Tl)) 40 mm in diameter and 38 mm high, which is connected with a photoelectron-ic multiplier of the $\Phi\Xi/-1C$ (FEU-1S) type; a single-channel amplitude analyzer with amplifier, a computer, and a stabilized high voltage rectifier. The energy scale of the analyzer in the energy range of 0.3-1.5 Mev
Card 1/3

Determination of Indium Content in Sphalerites S/075/60/015/006/012/011
by Radioactivation Analysis B020/B066

proved to be linear (Fig. 2). The activity of elements contained in the sphalerite was calculated from data given in Table 1, on the basis of which the curves for the activity decrease were plotted (Fig. 3), according to the equation $I = n\sigma N [1 - \exp(-0.693t/T)]$, where n denotes the neutron flux, σ the cross section of neutrons of the elements, N the number of nuclei of the activated element, t the time of irradiation, and T the half-life period. The analysis of the curves given in Fig. 3 suggests a period of 5 minutes to be an adequate interval between the termination of irradiation and the beginning of measurements. The sphalerite standard samples were bombarded with slow neutrons from a polonium-beryllium source with an activity of 35 curies for 3 hours and 35 minutes. The authors investigated the change of intensity of the photopeaks of the energy spectrum with time, and identified the isotope both with respect to the characteristic bands of the spectrum and the half-life period. The activity of the indium isotope was measured within two half-life periods, and then the degradation curves were plotted (Fig. 4). Table 2 gives the results obtained for the activity of standard samples of different indium contents. Fig. 5 shows the activity as a function of the percentage indium content at an interval.

Card 2/3

Determination of Indium Content in Sphalerites S/075/60/015/006 014/014
by Radioactivation Analysis B020/B066

of measurement of 5 minutes and with a 5 g sample. On the basis of Fig. 5, a nomograph was plotted to determine the percentage indium content in samples of different weights (Fig. 6). After calibrating the device and plotting the nomograph, the indium concentration was determined in sphalerites from some deposits of the Uzbekskaya SSR (Table 3). The difference between the results is, on an average, not more than 7%, and the statistic error not more than $\pm 3\%$, whereas the characteristic error of the method (due to unequal conditions on bombarding and measurement) is $\pm 2 - 3\%$, at an In-content in the order of magnitude of 0.1%. Finally, the authors thank S. T. Baladov for providing an analytical sample. There are 6 figures, 3 tables, and 6 references: 3 Soviet, 1 Austrian, and 2 US.

ASSOCIATION: Institut yadernoy fiziki AN UzSSR, Tashkent
(Institute of Nuclear Physics of the AS Uzbekskaya SSR
Tashkent)

SUBMITTED: August 25, 1959

Card 3/3

NOVIKOV, A P

PHASE I BOOK EXPLOITATION 0077599

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniyy v narodnom khozyaystve SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy Vsesoyuznogo soveshchaniya 12 - 16 aprelya 1960 g. g. Riga, v 4 tomakh. t. 4: Poiski, razvedka i razrabotka poleznykh iskopayemykh (Radioactive Isotopes and Nuclear Radiation in the National Economy of the USSR; Transactions on the Symposium Held in Riga, April 12 - 16, 1960, in 4 volumes, v. 4: Prospecting, Surveying, and Mining of Mineral Deposits) Moscow, Gostoptekhizdat, 1961. 264 p. 3,600 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskyy komitet Soveta Ministrov SSSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Eds. (Title page): N. A. Petrov, L. I. Petrenko, and P. S. Savitskiy; ed. of this volume: M. A. Speranskiy; Scientific ed.: M. A. Speranskiy; Executive Eds.: N. N. Kuz'mina and A. G. Ionel',

Card 1/11

Radioactive Isotopes and Nuclear (Cont.)

SOV/5532

Tech. Ed.: A. S. Polovina.

PURPOSE: The book is intended for engineers and technicians dealing with the problems involved in the application of radioactive isotopes and nuclear radiation.

COVERAGE: This collection of 39 articles is Volume 4 of the Proceedings of the All-Union Conference of the Introduction of Radioactive Isotopes and Nuclear Reactions in the National Economy of the USSR. The Conference was called by the nauchno-tekhnicheskyy komitet Soveta Ministrov SSSR (State Scientific-Technical Committee of the Council of Ministers of the USSR), Academy of Sciences USSR, Gosplan SSSR (State Planning Committee of the Council of Ministers of the USSR), Gosarhitektury Komitet Soveta Ministrov SSSR po avtomaticheskoi mashinostroyeniyu (State Committee of the Council of Ministers of the USSR for Automation and Machine Building), and the Council of Ministers of the Latvian SSR. The reports summarized in this publication deal with the advantages, prospects, and

Card 2/11

Radioactive Isotopes and Nuclear (Cont.)

30V/0092

development of radioactive methods used in prospecting, surveying, and mining of ores. Individual reports present the results of the latest scientific research on the development and improvement of the theory, methodology, and technology of radiometric investigations. Application of radioactive methods in the field of engineering geology, hydrology, and the control of ore enrichment processes is analyzed. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Aleksseyev, F. A. Present State and Future Prospects of Applying the Methods of Nuclear Geophysics in Prospecting, Surveying, and Mining of Minerals 5

Eulachevich, Yu. P., G. M. Voskoboynikov, and L. V. Mazyukin. Neutron and Gamma-Ray Logging at Ore and Coal Deposits 19

Gordeyev, Yu. I., A. A. Mukher, and D. M. Srebrodol'skiy. The

Card 3/11

.4

| | | |
|---|---------|-----|
| Radioactive Isotopes and Nuclear (Cont.) | SS/5592 | |
| Problems | | 133 |
| Zelotov, A. V. Critical Dimensions of an Artificial Bed for the Simulation of Radioactive Methods of Borehole Investigation | | 139 |
| Sokolov, M. M., A. P. Gshkur, A. A. Fedorov, A. Ya. Bol'shakov, and P. P. Khitev. Application of the Method of Scattered Gamma Radiation for the Investigation of Ore Holes | | 145 |
| Melnikorskaya, Ek. B. Radioactivation (Photoneutron) Method for Determining Beryllium | | 154 |
| Y. Litvin, K. I. On the Possibility of Activation by Fast Neutrons Under Borehole Conditions | | 157 |
| Sen'ko, A. K. Photoneutron Method of Prospecting, Exploration, and Sampling of Beryllium Ores | | 163 |
| Abdullayev, A. A., Ye. M. Lobanov, <u>A. P. Novikov</u> , and A. A. Card 7/11 | | |

Radioactive Isotopes and Nuclear (Cont.)

SOV/5592

Elaydarov. Certain Methods for the Interpretation of the Complex Gamma Spectra in Analyzing the Activated Samples of Rocks 174

Yakubovich, A. L., and Ya. I. Lytsev. Plant of the ... Type and Its Possible Utilization for the Analysis of the Material Composition of Rocks 175

Yakubovich, A. L., and V. Yu. Zaleskiy. Roentgenradiometric Method and Equipment for Accelerated Analysis of the Chemical Composition of a Substance 176

Marbutt, K. I., R. L. Barinskiy, and I. S. Smirnova. Application of Nuclear Radiation in Roentgenospectral Analysis 177

Abramyan, S. L., J. M. Aksel'rod, and L. A. Futsynskaya. Application of Radioactive Isotopes and Nuclear Radiation for the Investigation of Boreholes in Azerbaydzhan 178

Shnurman, G. A. Experience With Radiometric Investigations

Card 8/11

NOVIKOV, A. P., DOBAINOV, Ye. M.

"Activation Methods for Determining Copper in Rocks"

paper presented at the All-Union Seminar on the Application of
Radioactive Isotopes in Measurements and Instrument Building,
Frunze (Kirgiz SSR), June 1961)

So: Atomnaya Energiya, Vol 11, No 5, Nov 61, pp 468-470

NOVIEOV, A.R.

Device for dismounting motortruck tires. Sbor.vnedr.rets.pred.v les.
1 meb.prom. no.2:179-182 '59. (MLA 13:8)

1. Leningradskiy lesnov port.
(Motortrucks--Tires)

NOVIKOV, A. S.

USSR.

250. Acceleration of flames in the predetonation period. S. M. KOGARKO AND A. S. NOVIKOV. *Zh. eksper. teor. Fiz.*, 26, No. 4, 492 (1954) in Russian.

Discussion paper. Measurements on hydrogen-oxygen mixtures containing various amounts of nitrogen show that acceleration of flames to detonative velocities in a homogeneous gas mixture is determined not only by normal flame speeds but also by movement of the gas as a whole, particularly if this is turbulent. This contradicts Sokolik's view (*Izv. AN SSSR*, 5738 (1952)) that predetonative acceleration of flames originates from the flame itself, and that only acceleration of the flame itself can contribute to reduction of the time before detonation sets in. A. C. MURRAY

Inst. Chem. Phys. ASUSSR

KOGARKO, S.M. (Moskva); NOVIKOV, A.S. (Moskva)

Compression waves arising during combustion in tubes.
PMTF no.4:36-42 N.D '60. (MIRA 14:7)

1. Institut khimicheskoy fiziki AN SSSR.
(Combustion)

KOGARKO, S.M., doktor tekhn.nauk; NOVIKOV, A.S., inzh.; SERBINOV, A.I.,
kand.tekhn.nauk; SKACHKOV, G.I., inzh.

Ignition of methane-air mixtures by the hot products of
combustion. Vzryv.delo no.44/1:122-132 '60. (MIRA 13:7)
(Mine gases) (Blasting)

83563

S/020/60/134/001/015/021
B004/B060

11.6200

AUTHORS: Kogarko, S. M., Novikov, A. S.

TITLE: Study of Compression Waves in the Combustion of Gas Mixtures

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 1, pp. 125 - 127

TEXT: By way of introduction, the authors outline their theoretical considerations: If a compression wave arises in the zone of chemical reaction, temperature and density of the reaction mixture rise, and the reaction rate is sped up. The temperature rise is quicker than the dissipation of the energy released additionally from the reaction zone. The consequence is a pressure rise in the reaction zone and the appearance of additional waves which intensify the primary compression wave. These views were confirmed by experiments which were conducted by means of methane-oxygen and methane-air mixtures in glass tubes 10 mm in diameter. The compression wave was recorded on a rotating photofilm by means of a piezoelectric quartz indicator and a cathode-ray oscilloscope.

Card 1/3

83563

Study of Compression Waves in the Combustion of Gas Mixtures S/020/60/134/001/015/021
B004/B060

The formation and intensification of compression waves were observed in methane-oxygen mixtures with a methane content between 7.5 and 53%. On a decrease of the methane content from 9.1 to 6.7% the maximum amplitude of the compression wave decreases rapidly, and no further intensification of the primary compression wave takes place on a further decrease in the methane content. Fig. 1 shows the compression wave in $\text{CH}_4 + 2\text{O}_2 + 8\text{O}_2$ and $\text{CH}_4 + 2\text{O}_2 + 8\text{N}_2$. The reaction rate drops in the latter case, and the compression wave is very weak. With a view to studying the influence of the frequent passage of the compression wave through the reaction zone, experiments were conducted in tubes of different lengths (Table 1, Fig. 2). The maximum amplitude becomes smaller when the tube is shortened. There is a critical length at which the amplitude vanishes. For $\text{CH}_4 + 2\text{O}_2 + 8\text{O}_2$ this length is 42 mm. There are 2 figures, 1 table, and 3 references: 2 Soviet and 1 German.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics of the Academy of Sciences USSR)

Card 2/3

NOVIKOV, A.S.

S/020/62/143/005/009/018
3142/3102

AUTHORS: Yevdokimov, G. S., Kaplan, B. L., Kogarko, S. M.,
Lovlya, S. A., Novikov, A. S., and Solodilov, L. N.

TITLE: The generation of elastic vibrations by the detonation of
gaseous mixtures under water

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 5, 1962, 1085-1086

TEXT: A new way of generating shock waves was developed for the purpose
of seismic prospecting under the ocean using the echo method. This method
is based on detonating mixtures of gases (H_2/O_2 or propane/ O_2) instead of
solid explosives. By this means the pressure on the shock wave front is
about four times lower than when trinitrotoluene is used, because the gas
mixture is less dense and the velocity of detonation is lower, so that no
fish are killed. The action of gaseous explosives was checked in several
tests carried out in the Sea of Azov at a depth of 7-9 m. The gas mixture
was ignited under water in a special steel container of 250 l volume. An
exhaust valve above the water surface enabled the reaction products to be

Card 1/2

2

The generation of elastic vibrations...

S/020/62/143/005/009/018
8142/5:02

controlled. The reflected waves were recorded in the seismographic station. Comparative explosions using trinitrotoluene showed that the explosion of 250 l propane/oxygen mixture produces the same seismic effect as 1 kg trinitrotoluene. The H_2O_2 mixture was less effective. There is 1 figure.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki (All-Union Scientific Research Institute of Geophysical Exploration Methods); Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics of the Academy of Sciences USSR)

PRESENTED: June 7, 1961, by V. N. Kondrat'yev, Academician

SUBMITTED: May 17, 1961

Card 2/2

ZIZYUKIN, M.I., inzh., red; NOVIKOV, A.S., inzh., laureat Stalinskoy premii, retsenzent; ZHURAVLEV, ~~inzh., tekhn. nauk~~, retsenzent; POPOVA, S.M., tekhn. red.

[Application of the statistical method in the machinery industry; practices of plants in statistical quality control and the analysis of technological processes] Vnedrenie statisticheskogo metoda v mashinostroeni; opyt zavodov v oblasti statisticheskogo kontrolya kachestva produktsii i analiza tekhnologicheskikh protsessov. Moskva, Gos. nauchno-tekhn. izd-vo mashino-stroit. lit-ry, 1951. 126 p.

(Machinery industry--Quality control) (MIRA 11:7)

NOVIKOV, A. S.

Staticheskiye metody kontrolya kachestva promyshlennoy produkcii (Statistical methods in production quality control) Moskva, "Znanije," 1953. 28p. graphs.

SO: N/5
611.9
.N9

NOVIKOV, Aleksandr Stepanovich, laureat Stalinskoy premii; KOYZHES, S.M.,
redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[Use of precautionary statistical control of the quality of production in electric industries] Primenenie predupreditel'nogo statisticheskogo kontrolya kachestva produktii v elektrotekhnicheskoi promyshlennosti. Moskva, Gos.energ. izd-vo, 1955. 94 p.
(Quality control) (MIRA 9:3)

NOVIKOV, Aleksandr Stepanovich; GOSTEV, V.I., inzhener, retsenzent; KARASEV, N.P., inzhener, retsenzent; DLIN, A.M., redaktor; POPOLOV, Ye.N., redaktor izdatel'stva; MATVEYEVA, Ye.N., tekhnicheskii redaktor; UVAROVA, A.F., tekhnicheskii redaktor

[Organization and methods for controlling production quality in machine building] Organizatsiia i metody kontroliia kachestva produktsii v mashinostroenii. Pod red. A.M.Dlina. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 165 p. (MLRA 9:12)
(Machinery industry--Quality control)