

BUZILOV, Yu.T., kand. ekon. nauk; Prinsipali uchastiye: YERMAKOVA,
L.A.; RESHETNIKOV, V.A.; RESHETNIKOVA, L.V.; RUBLEVA,
K.I.; SAMOYLOV, N.P.; SERGEYEVA, V.S., red.; TIKHONOVA,
Ye.M., red.

[Manual for establishing work norms and wages in livestock
farming] Spravochnik po normirovaniu i oplate truda v
zhivotnovodstve. Moskva, Kolos, 1964. 326 p.
(MIRA 18:8)

ALEKSEYEV, A.V.; BOROKHOVICH, Ya.P.; RAKITINA, Ye.D., red.;
TIKHONOVA, Ye.M., red.

[Calculating machines and their use in accounting] Schet-
nye mashiny i ikh primeneniye v uchete. Moskva, Izd-vo
"Kolos," 1964. 326 p. (MIRA 17:5)

LOZA, G.M., prof.; BUZILOV, Yu.T., dots.; GROMOV, M.N., dots.;
NIKIFOROV, M.A., dots.; FEFELOV, V.P., kand. ekon. nauk;
SINYUKOV, M.I., dots.; SAL'KOVA, A.D., dots.; GRANDITSKIY,
P.A., dots.; TIKHONOVA, Ye.M., red.

[Practical aid for the organization and planning of produc-
tion on collective and state farms] Praktikum po organizatsii
i planirovaniu proizvodstva v kolkhozakh i sovkhozakh. Mo-
skva, Kolos, 1965. 526 p. (MIRA 18:5)

K:AVCHENKO, R.G., kand. ekon. nauk; TIKHONOVA, Ye.M., red.;
BELOVA, N.N., tekhn. red.

[Economics and electronics; from practice in using
mathematical methods and electronic computers for plan-
ning agricultural production] Ekonomika i elektronika; iz
opyta primeneniia matematicheskikh metodov i elektronno-
vychislitel'nykh mashin v planirovanii sel'skokhoziaistven-
nogo proizvodstva. Moskva, Sel'khozizdat, 1963. 121 p.
(MIRA 17:3)

BOROKHOVICH, Ya.P.; ALEKSEYEV, A.V.; TIKHONOVA, Ye.M., red.;
MAKHOVA, N.N., tekhn. red.; BALLOD, A.I., tekhn. red.

[Computers and programming] Matematicheskie mashiny i prog-
rammirovaniye. Moskva, Sel'khozizdat, 1963. 299 p.
(MIRA 17:3)

YASHCHUK, Nikolay Artem'yevich, starshiy nauchnyy sotr.; TIKHONOVA, Ye.M., red.; DEYEVA, V.M., tekhn. red.

[Accounting for expenditures and costs analysis on collective farms; practice of "Leninskii Shliakh" Collective Farm in Vinnitsa District, Vinnitsa Province] Uchet zatrat i analiz sebestoimosti produktsii v kolkhoze; opyt kolkhoza "Leninskii shliakh" Vinnitskogo raiona Vinnitskoi oblasti. Moskva, Izd-vo sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 166 p. (MIRA 15:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut ekonomiki i organizatsii sel'skogo khozyaystva (for Yashchuk). (Vinnitsa District--Collective farms--Accounting)

DANILAN, Anton Antonovich, kand. ekon. nauk; TIKHONOVA, Ye.M., red.

[Capital assets and their accounting in agricultural enterprises] Osnovnye sredstva i ikh uchet v sel'sko-khoziaistvennykh predpriatiakh. Moskva, Kolos, 1965. 174 p. (MIRA 18:6)

RUSAKOV, G.K., nauchnyy sotrudnik; MILYAVSKIY, I.O., nauchnyy sotrudnik;
ARINA, A.Ye., nauchnyy sotrudnik; PANKOVA, K.I., nauchnyy sotrudnik;
KHABAROV, N.F., nauchnyy sotrudnik. Prinimali uchastiye: PAVLOVA,
N.G.; VYATCHININA, V.G.; VARPOLOMEYEVA, M.M. TIKHONOVA, Ye.M., red.;
GUREVICH, M.M., tekhn.red.; DEYEVA, V.M., tekhn.red.

[Economic accountability on collective farms; regulations and
methods of introduction] Vnutrikhoziaistvennyi raschet v kolkhozakh;
primernoe polozhenie i metodika vnedrenia. Moskva, Gos.izd-vo
sel'khoz.lit-ry, 1960. 71 p. (MIRA 14:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki
sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut ekonomiki sel'skogo khozyaystva (for Rusakov, Milyavskiy,
Arina, Pankova, Khabarov).
(Collective farms--Accounting)

OBOLENSKIY, K.P., red.; KOVAL, T.A., red.; SULKOVSKAYA, M.A., red.; TIKHONOVA,
Ye.M., red.; SOKOLOVA, N.N., tekhn. red.

[Agriculture in the U.S.S.R.] Sel'skoe khoziaistvo SSSR, Moskva,
Gos. izd-vo sel'khoz. lit-ry, 1958. 583 p. (MIRA 11:12)
(Agriculture)

POPOV, Nikolay Ivanovich; TIKHONOVA, Ye.M., red.; PROKOF'YEVA, L.N.,
tekhn. red.

[Mathematical method for analyzing labor productivity in agriculture according to factors involved] O matematicheskom metode analiza proizvoditel'nosti truda v sel'skom khoziaistve (po faktoram). Moskva, Gos. izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 102 p. (MIRA 14:8)
(Agriculture—Labor productivity) (Economics, Mathematical)

TIKHONOVA Ye. M.

ANISIMOV, Nikolay Il'ich; TIKHONOVA, Ye.M., red.; FEDOTOVA, A.F., tekhn.
red.

[How our agriculture has been changed in the past 40 years] Kak
izmenilos' nashe sel'skoe khoziaistvo za 40 let. Moskva, Gos.
izd-vo sel'khoz. lit-ry, 1957. 140 p. (MIRA 11:4)
(Agriculture)

BROZGUL', Miron Matveyevich; BERGAUZ, R.I., red.; TIKHONOVA, Ye.M., red.;
BALLOD, A.I., tekhn.red.

[Organizing production on state farms on virgin lands; based on data from the Dzambul State Farm in Chayan District, South Kazakhstan Province] Organizatsiia proizvodstva v tselinnoy sovkhوزه; na primere sovkhوزه imeni Dzhabula Chaianovskogo raiona Iushno-Kazakhstanskoy oblasti. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 134 p. (MIRA 11:1)
(State farms)

POLYNSKIY, Pavel Aleksandrovich; TIKHONOVA, Ye.M., redaktor; SOKOLOVA, N.N.,
tekhnicheskiiy redaktor

[High-profit hectare] Vysokodokhodnyi gektar. Moskva, Gos. izd-vo
solkhoz. lit-ry, 1955. 167 p. (MIRA 10:1)
(Agriculture)

KOLESNEV, S.G., akademik, red.; ZAPIVAKHIN, A.I., red.; LAPIDUS,
M.A., red.; RAKITINA, Ye.D., red.; TIKHONOVA, Ye.M., red.;
DEYEVA, V.M., tekhn. red.

[Specialization and size of agricultural enterprises] Spe-
tsializatsiia i razmery sel'skokhoziaistvennykh predpriatii.
Pod red. S.G.Kolesneva. Moskva, Sel'khozizdat, 1963, 382 p.
(MIRA 16:7)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im.
V.I.Lenina (for Kolesnev). (Farm management)

PALLADINA, M.I., redaktor-sostavitel'; PYLAYEVA, A.P., starshiy redaktor;
TIKHONOVA, Ye.M., redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor

[Reference manual for chairmen of collective farms] Spravochnik
predsedatelia kolkhoza. Moskva, Gos. izd-vo selkhoz. lit-ry.
Vol.1. 1956. 702 p. Vol.2. 1956. 919 p. (MLBA 9:11)
(Agriculture--Handbooks, manuals, etc.)

KOMYAKHOV, Vasilii Grigor'yevich;TIKHONOVA, Ye.M., red.; TRUKHINA,
O.N., tekhn. red.

[Organizational work is a guarantee of success] Organizatorskaia
rabota - zalog uspekha. Moskva, Izd-vo sel'khoz. lit-ry,
zhurnalov i plakatov, 1962. 78 p. (MIRA 15:3)

1. Pervyy sekretar' Poltavskogo oblastnogo komiteta Kommunisti-
cheskoy partii Ukrainy (for Komyakhov).
(Poltava Province--Communist Party of the Soviet Union--Party work)
(Poltava Province--Agriculture)

KALPIN, G.Z.; RUBLEVA, K.I.; SAMOYLOV, N.P.; REBROVA, G.I.;
ROMANCHUK, Z.A.; KALASHNIKOVA, V.S., red.; TIKHONOVA, Ye.M.,
red.; BALLOD, A.I., tekhn. red.; PROKOF'YEVA, L.N., tekhn.
red.

[Manual on state farm wages and other state agricultural
enterprises] Spravochnik po oplate truda v sovkhozakh i
drugikh gosudarstvennykh sel'skokhoziaistvennykh pred-
priiatiakh. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i
plakatov, 1962. 550 p. (MIRA 15:3)

1. Ministerstvo sel'skogo khozyaystva SSSR (for Kalpin,
Rubleva, Samoylov, Rebrova, Romanchuk).
(Agricultural wages--Handbooks, manuals, etc.)

SOPOV, Grigoriy Khristoforovich; TIKHONOVA, Ye.M., red.; PROKOP'YEVA,
L.N., tekhn. red.

[Business accounting in the state farm] Vnutrisovkhozniy khoz-
raschet. Moskva, Sel'khozizdat, 1963. 118 p. (MIRA 16:7)
(Volgograd Province—State farms—Finance)

NEDELIN, Serafim Ivanovich; TIKHONOVA, Ye.M., red.; SOKOLOVA, N.N.,
tekh. red.

[Analysis of the economic operations of agricultural enter-
prises] Analiz khoziaistvennoi deiatel'nosti sel'skokhoziai-
stvennykh predpriatii. Moskva, Sel'khozizdat, 1962. 271 p.
(MIRA 15:11)

(Agriculture--Accounting)

BOBROVSKIY, Petr Afanas'yevich, kand. ekon. nauk; TIKHONOVA, Ye.M.,
red.; PROKOP'YEVA, L.N., tekhn. red.

[Effectiveness of the chemicalization of agriculture] Effektiv-
nost' khimizatsii sel'skogo khoziaistva. Moskva, Sel'khozizdat,
1962. 141 p. (MIRA 15:11)
(Agricultural chemicals)

CHERVENKO, Petr Ivanovich; TIKHONOVA, Ye.M., red.; BALLOD, A. I.,
tekhn. red.

[Specialization of agriculture in a province] Spetsializa-
tsiia sel'skogo khoziaistva v oblasti. Moskva, Sel'khoz-
izdat, 1962. 140 p. (MIRA 16:4)

1. Nachal'nik Melitopol'skogo territorial'nogo proizvod-
stvennogo kolkhozno-sovkhoznogo upravleniya (for Chervenko).
(Zaporozh'ye Province--Agriculture)

IL'IN, Serafim Andrianovich; TIKHONOVA, Ye.M., red.; TRUKHINA, O.N.,
tekhn. red.

[Economics of potato growing] Ekonomika proizvodstva kartofelia. Moskva, Sel'khozizdat, 1963. 294 p. (MIRA 16:9)
(Potatoes--Economic aspects)

KALPIN, G.Z.; RUBLEVA, K.I.; SAMOYLOV, N.P.; REBROVA, G.I.;
SAGARDA, Ye.A.; SERGEYEVA, V.S., red.; TIKHONOVA, Ye.M.,
red.; MAKHOVA, N.N., tekhn. red.; OKOLELOVA, Z.P., tekhn.
red.

[Manual on wages on state farms and other state agri-
cultural enterprises] Spravochnik po oplate truda v
sovkhozakh i drugikh gosudarstvennykh sel'skokhozyay-
stvennykh predpriatiakh. Izd.2., perer. i dop. Moskva,
Sel'khozizdat, 1963. 638 p. (MIRA 16:12)
(Agricultural wages--Handbooks, manuals, etc.)

KOPELOVICH, M.A., prof.; TIKHONOVA, Ye.P., kand.med.nauk (Khar'kov)

"Diseases of the endocrine system and metabolism" by V.G.
Baranov. Reviewed by M.H.Kopelovich, E.P.Tikhonova. Terap.
arkh. 31 no.6:87-88 Je '59. (MIRA 12:9)
(METABOLISM, DISORDERS OF) (ENDOCRINE GLANDS--DISEASES)

SHIFMAN, L.M.; TIKHONOVA, Ye.P.

Experiment in the use of protective inhibition in treating some
endocrine diseases. Sbor.nauch. trud. Ukr. nauch.-issl. inst.
eksper. endok. 15:252-255 '59. (MIPA 14:11)
(SLEEP THERAPY) (DIABETES)
(THYROID GLAND--DISEASES)

TIKHONOVA, Ye.P.

Characteristics of the course of diabetes mellitus in lesions of the central nervous system of diencephalic localization. Trudy Ukr. nauch.-issl. inst. eksper. endok. 19:120-126 '64. (MIRA 18:7)

1. Iz klinicheskogo otdela Ukrainskogo instituta eksperimental'noy endokrinologii.

KOPELOVICH, M.A., prof.; TIKHONOVA, Ye.P., kand.med.nauk (Khar'kov)

"Clinical endocrinology" by N.A. Shereshevskii. Reviewed by
M.A. Kopelovich, E.P. Tikhonova. Terap.arkh. 31 no.3:86-88 Mr '59
(MIRA 12:4)

(ENDOCRINOLOGY)

(SHERESHEVSKII, N.A.)

KOPELOVICH, M.A., prof.; TIKHONOVA, Ye.P., kand.med.nauk (Khar'kov)

Problems of clinical aspects and differential diagnosis of diencephalo-pituitary forms of adiposity. Probl.endok. i gorm. 5 no.4: 75-80 J1-Ag '59. (MIRA 13:2)

1. Iz klinicheskogo otdela (zaveduyushchiy - prof. M.A. Kopelovich) Ukrainskogo instituta eksperimental'noy endokrinologii (direktor - kand.med.nauk S.V. Maksimov).

(OBESITY etiology)
(PITUITARY GLAND dis.)
(DIENCEPHALON dis.)

RAKHAYLOVA, M.S.; TIKHONOVA, Ye.P.

Intermediate hypophyseal forms of obesity of rheumatic etiology.
Trudy Ukr. nauch.-issl. inst. eksper. endok. 19:386-392 '64.

(MIRA 18:7)

1. Iz klinicheskogo otdela Ukrainskogo instituta eksperimental'noy
endokrinologii.

KOPELOVICH, M.A.; TIKHONOVA, Ye.P.

Simmonds-Sheehan hypopituitary syndrome. Probl. endok. i gorm.
11 no.1:46-54 Ja-F '65. (MIRA 18:5)

1. Klinicheskiy otdel Ukrainskogo instituta eksperimental'noy
endokrinologii (dir. - kand. med. nauk S.V. Maksimov), Khar'kov.

T. k. Novikova, Ye. P.

TIKHONOVA, Ye.P., kand.med.nauk (Khar'kov)

Role of the initial state of the central nervous system in the development of thyrotoxicosis. Vrach.delo no.11:1203-1207 N '57. (MIRA 11:2)

1. Klinicheskiy otdel (rukovoditel' - prof. M.A.Kopelovich)
Ukrainskogo instituta eksperimental'noy endokrinologii.
(NERVOUS SYSTEM) (THYROID GLAND--DISEASES)

KOPELOVICH, M.A., prof., TIKHONOVA, Ye.P., kand. med. nauk (Khar'kov).

Potassium perchlorate therapy in hyperthyroxicosis. Probl. endokr.
o gorm. 4 no.5:55-59 S-0 '58. (MIRA 11:12)

1. Iz klinicheskogo otdeleniya (zav. - prof. M.A. Kopelovich) Ukrain-
skogo instituta eksperimental'noy endokrinologii (dir. - kand. med.
nauk S.V. Maksimov).

(HYPERTHYROIDISM, ther.

potassium perchlorate (Rus))

TIKHONOVA, YE. P., DRAZNIN, N.M.

"Methodical Problems of Studies on the Metabolism of the Vitamin B₁ Labeled with Radioactive Sulfur" 86 p., in the book Experience in the Use of Radioactive Isotopes in Medicine R. Ye. KAVETSKIY and I.T. SHEVCHENKO, published by the Gosmedizdat Publishing House of the UKRAINIAN SSR, KIEV 1955, represents medical transactions of a conference held in KIEV from 18-20 January 1954.

So: 1100235

TIKHONOVA, Ye.P., SHIFMAN, L.M. (Khar'kov)

Prevention of an increase in endemic goiter among inhabitants of
the Lisichansk-Rubezhnoye Industrial District. Probl.endok.
i gorm. 4 no.2:108-110 Mr-Apr '58 (MIRA 11:5)

1. Iz klinicheskogo otdela (rukovoditel' - prof. M.A. Kopelovich)
Ukrainskogo instituta eksperimental'noy endokrinologii (dir. -
kandidat meditsinskikh nauk S.V. Maksimov)
(GOITER, prevention & control
prev. of endemic increase (Rus))

KOPELOVICH, M.A., prof.; TIKHONOVA, Ye.P., kand. med. nauk

•Handbook of clinical endocrinology •, edited by E.A. Vasiukova.
Reviewed by M. A. Kopelovich, E.P. Tikhonova. Probl. endok. i gorm.
5 no.2:118-120 Mr-Apr '59. (MIRA 12:7)
(ENDOCRINOLOGY) (VASIUKOVA, E.A.)

Т/П ТИХОНОВА, Ye.P.
KOPELOVICH, M.A., professor; TIKHONOVA, Ye.P., kandidat meditsinskikh
nauk(Khar'kov)

[Symptoms and differential diagnosis of initial forms of thyro-
toxicosis. Probl.endok. i gorm. 1 no.1:42-47 Ja-F '55(MLRA 8:10)

1. Iz klinicheskogo otdela Ukrainskogo instituta eksperimental'noy
endokrinologii.

(HYPERTHYROIDISM, differential diagnosis.
early)

TIKHONOVA, Ye.P., kandidat meditsinskikh nauk (Khar'kov)

Amenorrhoea as an early symptom of tumor of the pituitary body.
Vrach.delo no.5:521 My '57. (MLBA 10:8)

1. Klinicheskiy otdel (rukovoditel' - prof. M.A.Kopelovich)
Ukrainskogo instituta eksperimental'noy endokrinologii
(PITUITARY BODY--TUMORS) (MENSTRUATION)

LESHCHENKO, A.G.; TIKHONOVA, Ye.P.; RAKHAYLOVA, M.S.

Neurological characteristics of infectious encephalitis marked by
a syndrome of thyrotoxicosis. Sbor. nauch. trud. Ukr. nauch.- issl.
inst. eksper. endok. 15:260-266 '59. (MIRA 14:11)
(ENCEPHALITIS) (THYROID GLAND--DISEASES)

BRESLAVSKIY, A.S., kand.med.nauk; TIKHONOVA, Ye.P., kand.med.nauk;
MEDRESH, E.I., kand.med.nauk

Possibility of the development of clinical forms of exophthalmos without the participation of the thyrotropic hormone. Oft. zhur. 17 no.7&423-429 '62. (MIRA 16:3)

1. Iz otdela gistofiziologii, klinicheskogo otdela Ukrainskogo instituta eksperimental'noy endokrinologii i Ukrainskogo instituta glaznykh bolezney imeni prof. L.L. Girshmana (dir. - chlen-korrespondent AMN SSSR prof. I.I. Merkulov).
(EXOPHTHALMOS) (PITUITARY BODY)

TIKHONOVA, Ye. P. (Khar'kov)

Neurotraumatic diabetes mellitus. Probl. endok. i gorm. 9 no.6:
80-84 N-D '63. (MIRA 17:11)

1. Iz klinicheskogo otdela (zav. - kand. med. nauk I.I. Lobanovskaya, nauchnyy rukovoditel' - prof. M.A. Kopelovich) Ukrainskogo instituta eksperimental'noy endokrinologii (dir. - kand. med. nauk S.V. Maksimov).

TOPIC TAGS: soil mechanics, permeability, soil consolidation, soil strength, soil

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MAZUROV, G.P.; TIKHONOVA, Ye.S.

Change in the composition and properties of soils after repeated
freezing. Vest. LGU 19 no.18:35-44 '64.

(MIRA 17:11)

LITVINOVA, R.I.; VOL'F, Yo.M.; TIKHONOV, Yu.A.

Developmental anomaly of vessels in the lower extremities.
Vest. rent. i rad. 40 no.6:52-54 N-D '65. (MIRA 19:1)

1. Detskaya gorodskaya klinicheskaya bol'nitsa No.2 imeni
I.V. Rusakova i kafedra detskoy khirurgii (zav. - prof.
S.Ya. Doletskiy) Tsentral'nogo instituta usovershenstvovaniya
vrachey, Moskva.

TIKHONOVA, Yu. V.

USSR / Pharmacology, Toxicology. Chemotherapeutic Agents.
Antibiotics.

U-7

Abs Jour : Referat Zh.-Biol., No 1, 1958, No 3592
Author : Tikhonova, Yu.V.
Inst : Not given
Title : A Masking Effect of Antibiotics on the Course of Acute
Otitis Media, Maxillary sinusitis and Mastoiditis in
Children.
Orig Pub : Vestn. oto-rino-laringologii, 1957, No 3, 33-38
Abstract : No abstract.

Card 1/1

EXCERPTA MEDICA Sec.11 Vol.10/12 Oto-Rhino-Laryngo Dec57

TIKHONOVA, Yu. V.

2254. TIKHONOVA Yu. V. Moscow. *Masking effect of antibiotics on the course of otitis media, antritis and mastoiditis in children (Russian text) VESTN. OTO-RINO-LARING. 1957, 3 (33-38)

The use of antibiotics in the treatment of acute otitis media, antritis and mastoiditis in 90 children of different age sometimes resulted in the latent course of the inflammatory process. The characteristic feature of these forms of antritis and mastoiditis appears to be a prolonged course and indistinct otoscopic findings. At the same time the operation reveals considerable changes of the bones, small quantity of pus and profuse outgrowth of granulations. The histological examination of bone grafts excised at the operation from 32 patients showed osteomyelitis of the periantrum. Productive process of sclerotic type predominated with formation of new bone tissue, granulations and small quantity of neutrophilic cellular elements. (XI, 7)

7/16/2001
TIKHONOVA, Yu.V.

Masking effect of antibiotics on the course of acute otitis media, antritis, and mastoiditis in children [with summary in English]. Vest.oto-rin. 19 no.3:33-38 My-Je '57. (MIRA 10:10)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. - prof. I.I. Shcherbatov) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta.

- (OTITIS MEDIA, ther. antibiotics, causing antritis & mastoiditis in child.)
- (ANTIBIOTIC, ther. use otitis media, causing antritis & mastoiditis in child.)
- (MASTOIDITIS, etiol. and pathogen. antibiotic ther. in otitis media in child.)
- (MAXILLARY SINUS, dis. sinusitis caused by antibiotic ther. of otitis media in child)

ANTIBIOTICS

"The Masking Effect of Antibiotics on the Course of Otitis Media, Antritis and Mastoiditis in Children," by Yu.V. Tikhonova, Clinic of Diseases of the Ear, Throat and Nose (Director - Prof. I.I. Shcherbatov) of the Pediatric Faculty of the Second Moscow Medical Institute, Vestnik Oto-Rino-Laringologii, No 3, May-June 1957, pp 33-38.

From 1952 to 1955, the author operated on 90 children of different ages suffering from antritis and ~~mastoiditis~~, who were treated with antibiotics for acute otitis media before the operation.

After an extensive clinical and morphological study on the masking effect of antibiotics on the course of the inflammatory process in the middle ear and the mastoid process, the author arrived at the following conclusions:

1. Treatment of acute otitis media with antibiotics in children does not always liquidate the inflammatory process and sometimes results in the development of atypical forms of antritis and mastoiditis.
2. A characteristic feature of the inflammatory process in the middle ear, when treated with antibiotics, is a very variegated clinical picture of the course of the disease. An autoscopic examination of the ear provides either no symptoms or symp-

toms of the process. This makes diagnosis difficult and hinders a decision re operative intervention.

3. Operations on children who had undergone lengthy treatment with antibiotics, show extensive damage to the mastoid process and the periantral region, together with the expansion of granulations, and a small amount of exudate in the antrum and cells.

4. Histological examinations of the bone fragments of 32 patients revealed osteomyelitis with a predominance of reproductive processes like sclerosis of granulation tissue, new bone formation, and a small amount of neutrophilic elements.

25636

TIRKHOVA, Z.

Regenratsiya dizel'nykh motorov i ikh ispol'zovaniya. *Uch. Zap.*, 1977,
No. 7, s. 33-36.

SO: *Izobrazheniya Zhurnal'nykh Statey*, No. 30, Moskva, 1948

TIKHONOVA, Z.
25636

Regeneratsiya Dizel'nykh masel I ikh ispol' zovaniye. Mor. Flot, 1948,
No. 7, s. 33-36

SO: LETOPIS NO. 30, 1948

TIKHONOVA, Z.

PA 25/49T16

USSR/Engineering
Engines, Diesel
Oil Reclamation

Jul 48

"Reclamation of Diesel Oils and Their Utiliza-
tion," Z. Tikhonova, Engr, 4 pp

"Morskoy Flot" No 7

Discusses physical and chemical means for re-
claiming Diesel fuel, and methods to utilize it.
Statistics show performance of engine operating
on new fuel and one operating on reclaimed fuel.

FDB

25/49T16

TIKHONOVA, Z. A.

137-58-4-6419

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 12 (USSR)

AUTHORS: Miller, V. Ya., Volgin, B. P., ~~Tikhonova, Z. A.~~ Kravivner, S. L.

TITLE: Sintering of Pyrite Cinders and Metallurgical Assessment of the Clinker Derived From Them (Spekaniye piritnykh ogarkov i metallurgicheskaya otsenka poluchennogo iz nikh aglomerata)

PERIODICAL: Tr. Ural'skogo n. i. khim. in-ta, 1957, Nr 4, pp 116-133

ABSTRACT: Experiments in the sintering of pyrite cinders (PC) by pulverized-pyrite roasting furnaces, as an instance of the possible utilizations of PC are described. The fuel was Kemerovo coke breeze of the 0-3 mm class, having 15.30 percent ash and 0.26 percent S. The layout of an experimental sintering plant is presented. In "heat value"--coke consumption per ton of iron--and also in consumption of flux in a blast-furnace heat, the clinker (C) from PC is equivalent to sand-clay refuse C having the same Fe content. PC C requires more flux and coke per blast furnace heat than does magnetic ironstone C, since the gangue of PC is exceptionally acid. But where ores have a low $\text{SiO}_2 \cdot \text{Al}_2\text{O}_3$ ratio this peculiarity of PC C is a positive factor. When 8-10 percent

Card 1/2

137-58-4-6419

Sintering of Pyrite Cinders (cont.)

C is added to the charge, the Cu they add does not interfere with the smelting of common conversion pig irons. The Zn content of the C is appx. 0.5 percent. When the charge contains 60-65 percent PC, this will add appx. 0.032 percent Zn to blast furnace charge, and this cannot but introduce difficulties in smelting. Thus, C from flotation tailings of furnaces and dust-catchers may be employed with adequate effectiveness by addition to the charges of sintering plants employing magnetic ironstones. Up to 10 percent of the weight of the charge may thus be added. Simultaneous addition of sand-clay refuse or ochre-brown ore fines, which speed the sintering process, is highly desirable.

A. Sh.

1. Minerals--Sintering--Test methods
2. Minerals--Sintering--Test results

Card 2/2

GORBOVITSKIY, Ye.B., kand. med. nauk (Moskva, ul. K. Marksa, d.20, kv. 154) ; TIKHONOVA, Z.D.

Use of peritoneal dialysis in acute renal insufficiency. Vest. khir. 91 no.8:114-117 Ag'63 (MIRA 17:3)

1. Iz urologicheskogo otdeleniya (zav. - kand. med. nauk P.D.Lev) 54-y Moskovskoy gorodskoy bol'nitsy (glavnyy vrach Ye. P. Mal'tseva).

TIKHONOVA, Z.I.; STEPANOVA, M.N., kandidat meditsinskikh nauk; MESHALKIN, Ye.N., kandidat meditsinskikh nauk; RAKULEV, A.N., professor; GULYAYEV, A.V., professor; VOZNESENSKIY, V.P., professor; DMITRIYEV, I.P., professor; OGNEV, B.V., professor; VAZA, D.L., professor; PETROY, B.A., professor, predsedatel'; DOROFFEYEV, V.I., sekretur'.

Minutes of the session of the Surgical Society of Moscow and Moscow Province of June 27, 1952. Khirurgiya no.3:84-88 Mr '53. (MIRA 6:6)

1. Khirurgicheskoye obshchestvo Moskv i Moskovskoy Oblasti.
(Heart--Surgery) (Cardiovascular system--Surgery)

ARTSYBYSHEV, N.A.; BELOGORSKAYA, N.I.; VINOGRADOVA, L.Yu.; GALANIN, D.D.;
GUR'YEVA, V.V.; ZVORYKIN, B.S.; ZORZ, V.A.; LIVENTSEV, N.M.;
MENSHUTIN, N.F.; MINCHENKOV, Ye.Ya.; POKROVSKIY, A.A.; REZNIKOV, L.I.;
SAKHAROV, D.I.; TIKHONOVA, Z.I.; KHLEBODAROV, S.F.; SHEYMAN, M.I.;
YUS'KOVICH, V.F.

Professor S.A. Artsybyshv; obituary. Fiz. v shkole 18 no.1:95-96
Ja-F '58. (MIRA 11:1)

(Artsybyshv, Sergei Aleksandrovich, 1887-1957)

ZORE, V.A., dotsent; TIKHONOVA, Z.I., assistent

Simultaneous spectral determination of lead, copper, and tin
in fresh fish and some types of canned fish. Gig. sanit. 28
no.2:58-60 '63 (MIRA 17:2)

1. Iz I Moskovskogo ordena Lenina meditsinskogo instituta
imeni I.M.Sechenova.

REYSHAKHRIT, L.S.; PUSTOSHKINA, M.P.; TIKHONOVA, Z.I.

Amperometric titration of some cations with trilon B on a rotating
microplatinum electrode. Vest. LGU 19 no.4:122-125 '64.
(MIRA 17:3)

REYSHAKHRIIT, L.S.; MARTYNOVA, V.N.; TIKHONOVA, Z.I.

Oxidation of trilon B on a rotating disk platinum ~~anode~~. Vest.
LGU 20 no.4:146-147 '65. (MIRA 18:4)

L 22246-66 EWP(j)/EWT(m) IJP(o) RM

ACC NR: AP6006493

SOURCE CODE: UR/0138/65/000/010/0027/0029

AUTHOR: Pogchanskaya, R. Ya.; Eydel'nant, N. L.; Smolyanitskiy, V. Z.; Gershenovich, A. I.; Stefanovich, V. V.; Gal'braykh, I. Ye.; Alekseyeva, N. A.; Tikhonova, Zh. I. ³³₃₂

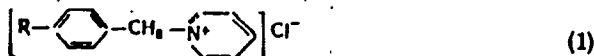
ORG: Scientific-Research Institute of Rubber and Latex Products (Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy); "Red Triangle" Plant (zavod "Krasnyy treugol'nik")

TITLE: The use of p-alkylbenzylpyridinium chloride as a vulcanization ¹⁵ catalyst for rubber mixtures

SOURCE: Kauchuk i rezina, no. 10, 1965, 27-29

TOPIC TAGS: vulcanization, catalyst, butadiene styrene rubber, synthetic rubber, rubber chemical

ABSTRACT: A cationactive pyridinium compound, p-alkylbenzylpyridinium chloride (katapin):



where R is an aliphatic radical containing 12-14 carbon atoms, was studied as a vulcanization catalyst. Katapin is a water-soluble dark-brown paste, now being produced on a semi-industrial basis. When large-scale industrial production is organized, katapin production costs will be close to those of captax, the least expensive vulcanization catalyst. Katapin is found to

Card 1/2

UDC: 678.044.004.14

L 22246-66

ACC NR: AP6006493

have medium-strength activity as a vulcanization catalyst. Katapin makes possible the production of NK-base vulcanizates with higher strength properties than that produced by means of the standard catalysts: captax, altax, and DFG. In butadiene-styrene rubber mixtures, katapin comes close in vulcanization activity to that of DFG. Katapin may be used as an independent agent, as well as in combinations with captax, altax, and thiuram. Orig. art. has: 4 tables.

SUB CODE: 07,11 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 004

Card 2/2 not

TIKHONOVA, Zoya Nikolayevna; GIL'GULIN, M., red.; KLIMOVA, T.,
tekh.red.

[People's Commissar for Health; about N.A Semashko] Narodnyi
komissar zdorov'ia; o N.A.Semashko. Moskva, Gos.izd-vo polit.
lit-ry, 1960. 31 p. (MIRA 13:11)
(SEMASHKO, NIKOLAI ALEKSANDROVICH, 1874-1949)

ПАХЛОНОВА
CA

7

PROCESSES AND PREPARATION

A rapid method for the determination of methyl alcohol under conditions of a plant laboratory. Z. T. Tikhonova. *Lesokhim. Prom.* 1959, No. 2, 248; *Khim. Referat. Zhur.* 1959, No. 8, 60 60.—The method of Schafferstein, which is based on the method of Fischer and Pundoll, gives good results. In 3 separatory funnels place separately (1) 3 ml. of CCl_4 , (2) 20 ml. of 0.1 N NaOH and (3) 10 ml. of a soln. of 100 g. tartaric acid and 10 g. sulfamic acid in 500 ml. of water. To the first funnel add 20 ml. of the soln. to be tested (which should not contain over 0.01% $AcOH$), 1 ml. of 5 N HCl and 2 ml. of a 25% aq. soln. of $NaNO_2$. Shake well and allow the layers to sep. This transforms the MeOH into $MeNO_2$, which dissolves in the CCl_4 . Remove the lower layer into the second funnel, where the alkali hydroxide neutralizes the soln. and reacts with nitrous oxides. Then add the washed soln. to the third funnel, where the $MeNO_2$ is emulsified and diazotization of the sulfamic acid is accomplished. To the aq. soln. add 10 ml. of a soln. of 1.6 g. α -naphthylamine + 3 ml. of 5 N HCl in 500 ml. of water. Dissolve the ppt. of azo dye in 25 ml. of 5% NaOH soln. and compare the color in a colorimeter with that obtained similarly from known quantities of MeOH. A correction must be applied for the incomplete extn. of $MeNO_2$ by CCl_4 . Other alcs. and $AcOH$ react similarly but in products obtained by the dry distn. of wood the other alcs. may be disregarded. W. R. H.

ASB 31.4 METALLURGICAL LITERATURE CLASSIFICATION

TIKHONOVA, Z.T.,
S.I. SUKHANOVSKII, Lesokhim. Prom. 1938, No. 5, 2-5,

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND COLUMNS

PRECEDENTS AND PROCEEDENTS

101 AND 102 COLUMNS

ca

21

Investigation of the French type portable carbonizers.
S. I. Sukhanovskii and Z. T. Tikhonova. *Levokhim. Prom.* 1939, No. 4, 40-4; *Khim. Referat. Zhur* 1939, No. 8, 119. --Results of investigations of the yields of wood charcoal and of its quality depending on the type of the app., the properties of the raw material and the carbonization conditions are given.
W. R. Hemm

COMMON ELEMENT

MATERIAL INDEX

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

ALPHABETIC INDEX

1ST AND 2ND COLUMNS

3RD AND 4TH COLUMNS

5TH AND 6TH COLUMNS

7TH AND 8TH COLUMNS

9TH AND 10TH COLUMNS

11TH AND 12TH COLUMNS

13TH AND 14TH COLUMNS

15TH AND 16TH COLUMNS

17TH AND 18TH COLUMNS

19TH AND 20TH COLUMNS

21ST AND 22ND COLUMNS

23RD AND 24TH COLUMNS

25TH AND 26TH COLUMNS

27TH AND 28TH COLUMNS

29TH AND 30TH COLUMNS

31ST AND 32ND COLUMNS

33RD AND 34TH COLUMNS

35TH AND 36TH COLUMNS

37TH AND 38TH COLUMNS

39TH AND 40TH COLUMNS

41ST AND 42ND COLUMNS

43RD AND 44TH COLUMNS

45TH AND 46TH COLUMNS

47TH AND 48TH COLUMNS

49TH AND 50TH COLUMNS

51ST AND 52ND COLUMNS

53RD AND 54TH COLUMNS

55TH AND 56TH COLUMNS

57TH AND 58TH COLUMNS

59TH AND 60TH COLUMNS

61ST AND 62ND COLUMNS

63RD AND 64TH COLUMNS

65TH AND 66TH COLUMNS

67TH AND 68TH COLUMNS

69TH AND 70TH COLUMNS

71ST AND 72ND COLUMNS

73RD AND 74TH COLUMNS

75TH AND 76TH COLUMNS

77TH AND 78TH COLUMNS

79TH AND 80TH COLUMNS

81ST AND 82ND COLUMNS

83RD AND 84TH COLUMNS

85TH AND 86TH COLUMNS

87TH AND 88TH COLUMNS

89TH AND 90TH COLUMNS

91ST AND 92ND COLUMNS

93RD AND 94TH COLUMNS

95TH AND 96TH COLUMNS

97TH AND 98TH COLUMNS

99TH AND 100TH COLUMNS

ABSTRACTS AND PROCEEDINGS INDEX

21

ca

The processing of crude acetic acid obtained from producer gas by direct absorption with rosin oils. Z. T. Tikhonova. *Leshchik. Prom.* 3, No. 4, 37-9(1943); *CAW Zhen.* 1948, II, 1987.—HOAc can be extd. from producer gas more cheaply with resin acids than with milk of lime. After the oils have been distd. off, the resinous black material contains HOAc 20-70%, HCO₂H 11.6%, aldehyde and ketones 9.4%, saponifiable matter 14.5% and urea 18%. It is difficult to refine or rectify but can be readily esterified. For this purpose the diln. crude material is distd. at 50-98°, which gives a 60-4% yield in neutral light oils and ethers, then brought to 70° and treated with 5% H₂SO₄ (calcd. on the amt. of water required for diln. of the crude material) and half of the total amt. of alc. to be used (which is 150% of the theoretical amt.). This reaction mixt. is then refluxed for 1 hr. with the remainder of the alc. being added gradually. The AcOEt which distills is washed in order with 20% bisulfite soln., 10% NaCl soln., 3% Na₂CO₃ soln. and 10% NaCl soln. It is then treated with dry NaCl and satd. CaCl₂ soln., then dried with anhyd. CaCl₂ and rectified. In lab. expts. 1 kg. of the crude HOAc yielded 40-50 g. of light oils and 530 g. of AcOEt; in the treatment of this amt. 372 g. of alc., 21 g. H₂SO₄, 12 g. Na₂CO₃, 3.4 g. bisulfite, 24 g. NaCl and 27 g. CaCl₂ were used. M. G. Moore.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX										AUTOMATIC INDEX									
GROUPS										LETTERS									
1	2	3	4	5	6	7	8	9	10	A	B	C	D	E	F	G	H	I	J

PROCESSING AND PREPARATION INDEX

OPEN

MATERIALS INDEX

CR

72

Determination of aromatic hydrocarbons in saturated gasolines. A. P. Dobryanski and N. T. Tikhonov-Dobryanski. *Azobaldzhanskoe Neftyanoe Khozyaistvo* 1935, No. 3, 84 0. — The amt. of $C_{10}H_8$, $C_{11}H_{10}$, and $C_{12}H_{14}$ ($C_{11}H_8$), added to a gasoline free from aromatic compds. was checked by the picric acid method. Accordingly, the gasoline was broken up into fractions b. 65-95° ("benzene" fraction), 95-125° ("toluene" fraction) and 125-155° ("xylene" fraction). The individual fractions, after the addn. of various amts. of the above aromatic compds. (from 1 to 100%), were satd. with picric acid, and 10 cc. of the fraction to be analyzed was pipetted into the satd. picric acid, followed by agitation for 5 min. The gasoline mixt. was transferred (the sediment was left in the flask) into a second flask with 35 cc. of distd. H_2O ; another 10 cc. was used for rinsing the funnel. Three drops of phenolphthalein was then added and the mixt. agitated for the transfer of the acid into the aq. soln.; the titration being carried out with 0.01 N NaOH to the appearance of a permanent (4-5 min.) raspberry-red color in the lower (H_2O) layer. The results are accurate to $\pm 0.02\%$.

A. A. Boehlingk 6

LIST AND INDEX

A.S.M. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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TIKHOMOVA, Z.Ye.

Seasonal aspects of the development of micro-organisms in the
soil. Uch.zap.GGPI 20:120-123 '58. (MIRA 13:6)
(Soil micro-organisms)

TIKHONOVA, Z.Ye.

Effect of the mother stand of pine on undergrowth. Uch. zap.
GGPI 20:124-128 '58. (MIRA 13:5)

(Pine)

TIKHONOVA-VOSKRESENSKAYA, Yu. V., Cand Med Sci -- (diss) "Masking
Effect of Antibiotics upon the Course of Acute Otitis Media,
Antritis, and Mastoiditis in Children." Mos, 1957. 12 pp (Second
Mos State Medical Inst im N. I. Pirogov), 200 copies (KL, 47-57, 91)

70

TIKHOMOVE, V. I.; SOFRONOV, B. N.; PETROPAVLOVSKAYA, E. A.; SMIRNOVA, A. M.;
ZALESSKAYA, V. V.; FILATOVA, Z. V.; RUBEL, N. N.

"Special features of the microbiological immuno-epidemiological
characteristics of scarlet fever treated with penicillin."

Report submitted at the 13th All-Union Congress of Hygienists,
Epidemiologists and Infectionists. 1959

TIKHONOVETS, D.P., inzh.

Using punched card equipment in calculating the requirements in
stand-by equipment. Mekh.i avtom.proizv. 18 no.3:47-49 Mr '64.
(MIRA 17:4)

MARCHUK, Aleksandr Ivanovich [Marchuk, O.I.]; IL'IN, Yuriy Ippolitovich;
SIROTENKO, Ivan Dmitriyevich; TIKHONOVICH, Aleksandra Mikhailovna
[Tykhonovych, O.M.]; ZLOCHEVSKIY, S.V., otv.za vypusk, ~~KORCHAK~~,
F., vedushchiy red.; PATSALYUK, P., tekhn.red.

[Streets of Kiev; handbook as of May 1, 1958] Vulytsi Kyieva;
dovidnyk za stanom na 1 travnia.1958 r. Kyiv, Derzh.vyd-vo
tekhn.lit-ry URSR, 1958. 398 p. (MIRA 12:11)

1. Kiev. Mis'ka dovidkovo-informatsiina kontora.
(Kiev--Streets--Handbooks, manuals, etc.)

FORSIN, Yu.Ya.; DESHEVOY, G.M., kand. tekhn. nauk, dots.,
retsenzent; TIKHONOVICH, A.P., kand. tekhn. nauk, dots.,
red.; VASIL'YEVA, V.P., red.izd-va; PETERSON, M.M., tekhn.
rod.

[Axonometric representation of machine parts:] Aksonometri-
cheskie izobrazheniia mashinostroitel'nykh detaloi. Moskva,
Mashgiz, 1963. 185 p. (MIRA 16:12)
(Axonometric projection) (Machinery---Drawings)

TIKHONOVICH, A.V.

Remote results of implantation of the ureters into the intestines in ectopy of the urinary bladder. Khirurgia, Moskva no.9:73 Sept 1953.
(CML 25:5)

1. Professor. 2. Yaroslavl' Clinical Oblast Hospital.

TIKHONOVICH, G.S., kand.med.nauk; MARKIN, S.P.

Clinical aspects of Hirschprung's disease. Terap.arkh. no.6:
56-60 '62. (MIRA 15:9)

1. Iz 1-y kafedry terapii (zav. - prof. A.Z. Chernov) i 1-y
kafedry khirurgii (zav. - prof. B.S. Rozanov) Tsentral'nogo
instituta usovershenstvovaniya vrachey.
(COLON—ABNORMALITIES AND DEFORMITIES)

TIKHONOVICH, G.S. kandidat meditsinskih nauk; VERTEENNIKOVA, V.P.
(Moskva)

A case of periarteritis nodosa with affection of the lungs diagnosed during life. Klin.med. 35 no.6:108-112 Je '57. (MLRA 10:8)

1. Iz pervoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. M.S.Vovsi) i iz pervoy kafedry rentgenologii TSentral'nogo instituta usovershenstvovaniya vrachey (sav. - sasluzhennyy deyatel' nauki prof. S.A.Reynberg) na baze Klinicheskoy ordena Lenina bol'nitsy imeni S.P.Botkina (glavnyy vrach - prof. A.N.Shabanov)

(PERIARTERITIS NODOSA, diag.

pulm., diagnosed during life)

(LUNGS DISEASES, diag.

periarteritis nodosa, diag. during life)

TIKHONOVICH, G. S.

"Nicotinic Acid in Hepatitis." Sub 20 Mar 51, Central Inst for the Advanced Training of Physicians.

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

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

TIKHONOVICH, G.S. -y kand.med.nauk;

Treatment of chronic coronary insufficiency by intrasternal
administration of novocaine. Kardiologiya 2 no.3:84-86 My-Je
'62. (MIRA 16:4)

1. Iz 1-y kafedry terapii Tsentral'nogo instituta usovershenstvo-
vaniya vrachey (zav. - deystvitel'nyy chlen AMN SSSR zasluzhenny
deyatel' nauki prof. M.S.Vovsi [deceased]).
(CORONARY VESSELS—DISEASES) (NOVOCAINE)

T. Khronovich, L. B.

GORELIK, B.M.; GABELINA, S.A.; TIKHONOVIC, L.V.

Ways of increasing the durability of a turbodrill bearing disc.
Neft. khoz. 39 no.5:16-20 My '61. (MIRA 14:9)
(Turbodrills)

S/138/59/000/010/003/010
A051/A029

AUTHORS: Gorelik, B.M.; Tikhonovich, L.V.

TITLE: On the Application of Granulated Rubber Mixtures in Molding Technique

PERIODICAL: Kauchuk i Rezina, 1959, No. 10, pp. 17 - 20

TEXT: An investigation into the technology of rubber mixture granulation applied in the molding of various rubber articles was carried out. The advantages of using granulated rubber mixtures in the technique of molding consist in the following facts: facilitation of transportation, automatic weighing, storage and an accurate measurement of the material being supplied to the press-die. Granulated rubber mixtures would also decrease the amount of waste material from the pressing stage, which can be as high as 50 to 70% in some of the rubber article plants. The number of stages in the production cycle are decreased. The low density between the granules would enable the air to escape in the molding of the articles. Finally, it simplifies the entire procedure and saves on material and general costs. Three types of mixtures were subjected to granulation in the experiments: 1) based on butadiene-nitrile rubbers (No. 4004-1, 3825, 4326, WPTT -

Card 1/4

S/138/59/000/010/003/010
A051/A029

On the Application of Granulated Rubber Mixtures in Molding Technique

1068 (IRP-1068)]; 2) based on CKC-30 (SKS-30) and CKB (SKB) (No. 4773, 7008); 3) based on polychloroprene (No. 2542 H-3 (N-3), 4908). Extruders were used for the granulation technique, fitted with granulating heads of the end plane type, with a 150 and 115 mm worm diameter (see Fig. 1). The 150 mm extruder was manufactured at the "im. Krasin" Plant. The granulating heads were designed and manufactured at the NIIRP. The actual granulating procedure is described as well as the granulating of the hard nitrile mixtures. Each of the three types of mixtures used in the experiments is dealt with individually. The technology parameters for granulation of these mixtures were derived. Table 2 is a listing of the thermal conditions of the granulation process for rubber mixtures based on butadiene-nitrile rubbers. The mixtures considered in this group were IRP-1068, 4004-1, 3825 with a vulcanizate hardness from 75 to 90, according to Shore, and 4326 with an average flexibility and hardness of 65 to 70, according to Shore. The composition of the mixtures is given in Table 1. It is pointed out here that all the mixtures were granulated without using ashing mediums, and in order to store the granules one should apply a special packing material having an adjustment for mechanical mixing or shaking. The granulation output for these hard mixtures was found to be 100 - 110 kg/h for the IRP-1068, 3825, 4004-1 mixtures and 250 - 300

Card 2/4

S/138/59/000/010/003/010
A051/A029

On the Application of Granulated Rubber Mixtures in Molding Technique

kg/h for the 4326 mixture. In the case of the second group the granulation could only be accomplished by using an ashing medium, namely, a 5% emulsion of kaolin and zinc stearate (prepared in a 5% aqueous solution of leuconol). The following thermal conditions for the granulation were applied: temperature of the machine's body 40 - 45°C (at the starting moment 50 - 55°C), of the screen 55 - 60°C, the external part of the granulating head 30 - 40°C. Further conditions are listed. In the case of the third group, a 5% kaolin emulsion was used in the granulation procedure. A considerable drop in the strength and the elongation of the vulcanizates was noticed for the 2542 H-3 (2542 N-3) mixture. In the case of the 4908 mixture, there was very little difference noted in the indices of the vulcanizates obtained from the granulated mixture and from the initial one. Not all mixtures are worth using in the form of granules. This can be seen from the physico-mechanical indices of the vulcanizates obtained from the various granulated mixtures. The possibility of producing molded articles from granulated mixtures based on nitrile rubbers was proved, but the design of the press-die must be changed: the loading volume must be increased, there should be a pressing plunger for the pressing of the granules into a monolithic part. It is also stressed that further work must be conducted on the selection of ashing mediums, which

Card 3/4

S/138/59/000/010/003/010
A051/A029

On the Application of Granulated Rubber Mixtures in Molding Technique

would not decrease the physico-mechanical indices of the vulcanizates. Synthetic resins, which would not melt at temperatures developing during granulation, but which would melt at temperatures occurring during vulcanization, would be suitable. I.N. Popov, S.N. Mardon'yev and V.M. Burmistrov participated in the work. There are 3 tables and 2 diagrams. ✓

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (Scientific Research Institute of the Rubber Industry)

Card 4/4

BULGARIA / Chemical Technology. Chemical Products H-31
and Their Applications. Caoutchouc,
Natural and Synthetic. Rubber.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 10351.

Author : Shokhin, I. A., Tikhonovich, L. V.

Inst : Not given.

Title : Investigation of Technological Properties of
Reclaimed Rubber.

Orig Pub: Leka promishlenost, 1957, 6, No 12, 24-25.

Abstract: Translated. See Ref Zhur Khim, 1956, 3087.

Card 1/1

232

GORELIK, B.M.; GAYELINA, S.A.; NIKITIN, G.M.; TIRBONOVICH, L.V.

New heat and oil resistant rubber for the equipment of the
USSR. Ref. No. 72 no. 111-14 D 34 (PRA 1972)

TIKHONOVICH, N. N.

Geology

DECEASED 1952

SEE ILC

2

CA

PROCESSES AND PROPERTIES INDEX

THE EQUILIBRIUM: VAPOR-LIQUID IN THE SYSTEM ETHYLENE-METHANE-HYDROGEN. II. A. I. LIKHTER AND N. P. TIKHONOVICH. *J. Tech. Phys.* (U. S. S. R.) 10, 1201 (1940); *J. C. A.* 34, 3070. —The equil. of the binary system CH_4-H_2 was investigated by a static method for temps. of -115° to -85° and pressures up to 80 atm. The results are represented in the form of $p-x$ diagrams which show that: (1) up to 64 atm. the soly. of H_2 in liquid CH_4 increases with decreasing temp.; (2) from 64.5 to 73 atm. there is no definite dependence on temp.; (3) above 80 atm. the soly. decreases with decreasing temp. III. *Ibid.* 1901-6. —The equil. of the triple system $CH_4-C_2H_6-H_2$ was studied for temps. from -115° to -85° and pressures of 30, 40 and 80 atm.; the results are plotted in 12 triangular diagrams. At 30 atm. and -115° the soly. of H_2 increases very slowly with increasing concn. of CH_4 in the liquid. At -105° the curve for the liquid is almost parallel to the $CH_4-C_2H_6$ axis. For higher temps. the changes are reversed, since at -95.8° (temp. at which vapor pressure of CH_4 is 30 atm.) the curves of liquid and gas phases must meet in the CH_4 corner. At 400 atm. the situation is rather similar, and it is noticed that the soly. of H_2 decreases rapidly when the first 10 or 15% of C_2H_6 is added to CH_4 . This effect is still more noticeable for 80 atm.

Roksalana Gamow

METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

SERIALS ONE ONE 151

SERIALS ONE ONE 151

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