

NEZLIN, S. Ye.

GUL'DINA, Ye. I., NEZLIN, S. Ye.

Dynamics of the excretion of bacilli in tuberculosis from 1954-1957
[with summary in French]. Probl. tub. 36 no. 3:3-7 '58 (MIRA 11:5)

1. Iz Protivotuberkuleznogo dispansera No. 8 (Moskva) (glavnyy vrach Ya. M. Gimnenl'farb).
(TUBERCULOSIS, statist.
in Russia (Rus))

NEZLIN, Solomon Yefimovich

[Regimen and treatment for the pulmonary tuberculosis patient]
Rezhim i lechenie bol'nogo tuberkulezom legkikh. Moskva, Medgiz,
1959. 74 p. (MIRA 13:8)

(TUBERCULOSIS)

NEZLIN, Solomon Yefimovich, prof.; LERMAN, L.A., kand.med.nauk, red.;
SHEYNBERG, L.K., tekhnred.

[Publicity on tuberculosis; manual for physicians] Protivotu-
berkuleznaia propaganda; posobie dlia vrachei. Moskva, In-t
sanitarnogo prosv. M-ve zdravookhraneniia SSSR, 1959. 119 p.

(MIRA 14:1)

(TUBERCULOSIS--PREVENTION)

NEZLIN, S.Ye., prof. (Moskva)

Treatment of pulmonary tuberculosis. Med.sestra. 18 no.10:8-14 0 '59.
(MIRA 13:1)

(TUBERCULOSIS)

ROZENSHTEYN, A.V.; MEZLIN, S.Ye.

Prognosis in open forms of pulmonary tuberculosis. Probl.
tub. 37 no.3:13-19 '59. (MIRA 12:6)

1. Iz protivotuberkuleznogo dispansera No.8 Moskvy (glavnyy
vrach Ya.M.Gimmel'farb).
(TUBERCULOSIS, PULMONARY,
progn. in open forms (Rus))

MEZLIN, S.Ye., prof.; LIVITIN, F.I., prof., red.

[Expert evaluation of work capacity and work organization of pulmonary tuberculosis patients; manual for phthisiologists and disability evaluators] Ekspertiza trudosposobnosti i trudovoe ustroistvo bol'nykh tuberkulezom legkikh; posobie dlia ftiziatrov i ekspertov. Minsk, Tsent. in-t usovershenstvovaniia vrachei, 1960. 169 p. (MIRA 14:5)
(TUBERCULOSIS) (DISABILITY EVALUATION)

NEZLIN, S. Ya. prof.

Prevention of tuberculosis today. Med. sestra 19 no.9:8-14, 5 '60.
(MIRA 13-9)

(TUBERCULOSIS...PREVENTION)

NEZLIN, S.Ye., prof. (Moskva)

Timely detection of tuberculosis. Med.sestra 19 no.11:32-37 N '60.
(MIRA 13:11)

(TUBERCULOSIS)

NEZLIN, S.Ye., prof.

Employment of patients with tuberculosis of the lungs in
agriculture. Sov.med. 24 no.12:117-121 D '60. (MIRA 14:3)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta ekspertizy
trudospobnosti i organizatsii truda invalidov (TSIETIN) dir. -
prof. D.I.Gritskeyich).

(TUBERCULOSIS--REHABILITATION)
(AGRICULTURAL LABORERS)

NEZLIN, Solomon Yefimovich; SKORBILINA, T.N., red.; SENCHILO, K.K., tekhn.
red.

[Regimen for the tuberculosis patient] Rezhim bol'nogo tuberkule-
zom. Izd.6. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1961. 78 p.
(MIRA 14:8)

(TUBERCULOSIS)

NEZLIN, Solomon Yefimovich, prof.; ZAKIN, M.M., red.; LYUDKOVSKAYA,
N.I., ~~transl.~~ red.

[Antituberculosis dispensary; problems in the method and organization
of work] Protivotuberkuleznyy dispanser; voprosy metodiki i organi-
zatsii raboty. Moskva, Medgiz, 1961. 290 p. (MIRA 15:7)
(TUBERCULOSIS--HOSPITALS AND SANATORIUMS)

NEZLIN, S.Ye., prof.

Organization of occupational placement for tuberculosis patients.
Probl.tub. no.6:14-22 '61. (MIRA 14:9)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov Ministerstva sotsial'nogo obespecheniya RSFSR (dir. - prof. D.I. Gritskevich).

(TUBERCULOUS---REHABILITATION)

NEZLIN, S.Ye., prof.

Occupational therapy. Zdorov'e 7 no.6:23-24 Je '61. (MIRA 14:7)
(TUBERCULOSIS) (OCCUPATIONAL THERAPY)

NEZLIN, S.Ye.; LIMCHER, A.L. (Moskva)

Disability evaluation and work organization for patients with disseminated form of pulmonary tuberculosis. Klin.med. no.12: 34-40 '61. (MIRA 15:9)

1. Iz tuberkuleznogo otdeleniya Tsentral'nogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (dir. - prof. D.I. Gritskevich) Ministerstva sotsial'nogo obespecheniya RSFSR.
(TUBERCULOSIS) (DISABILITY EVALUATION)

NEZLIN, S.Ya. prof.

Regimen for the pulmonary tuberculosis patient. Med. sestra 20
no.9:38-42 S '61. (MIRA 14:10)

(TUBERCULOSIS)

NEZLIN, S.Ye., prof. (Moskva)

Work capacity in certain forms of clinically-cured pulmonary tuberculosis. Klin.med. 38 no.10:17-23 0 '60. (MIRA 13:11)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (dir. - prof. D.I. Gritskevich).

(TUBERCULOSIS--EMPLOYMENT)

(DISABILITY EVALUATION)

NEZLIN, S.Ye., prof. (Moskva)

Work capacity in chronic fibrocavernous tuberculosis of the
lungs. Klin.med. 39 no.4:80-86 '61. (MIRA 14:4)

1. Iz tuberkuleznogo otdeleniya Tsentral'nogo nauchno-issledo-
vatel'skogo instituta ekspertizy trudosposobnosti i organizatsii
truda invalidov Ministerstva sotsial'nogo obespecheniya RSFSR
(dir. - prof. D.I. Gritskovich).
(TUBERCULOSIS) (DISABILITY EVALUATION)

ARKHIPOVA, O.P., kand. biol. nauk; BERLID, P.Yu., prof.; VOROB'YEV, S.I.,
kand. med. nauk; ZASLAVSKIY, I.D., kand. med. nauk; HUDIYAVTSEVA,
A.I., prof.[deceased]; LAPINA, A.I.; MARKUZON, V.D., prof.; MASSINO,
S.V., prof.; NEZLIN, S.Ye., prof.; OYFEBAKH, M.I., prof.; POMEL'TSOV,
K.V., prof.; RABUKHIN, A.Ye., zasl. deyatel' nauki RSFSR, prov.;
ROL'YE, Z.Yu., zasl. deyatel' nauki RSFSR, prof.; SORKINA, E.Z.,
doktor med. nauk; FILIMONOV, N.I., kand. med. nauk [deceased];
YUSKOVETS, M.K., zasl. deyatel' nauki Belorusskoy SSh, prof., akademik;
EYNIS, V.L., zasl. deyatel' nauki RSFSR, prof., otv. red.;
LYUDKOVSKAYA, N.I., tekhn. red.

[Multivolume manual on tuberculosis] Mnogotomnoe rukovodstvo po
tuberkulezu. Otv. red. V.L.Einis. Moskva, Medgiz. Vol.4.
[Epidemiology and the organization of the control of tuberculosis]
Epidemiologiya i organizatsiya bor'by s tuberkulezom. Red. toma
A.I.Lapina i S.V.Massino. 1962. 524 p. (MIRA 15:6)

1. Akademiya nauk Belorusskoy SSSR i Akademiya sel'skokhozyaystven-
nykh nauk Belorusskoy SSSR (for Yuskovets).
(TUBERCULOSIS)

NEZLIN, S.Ye., prof.

Regime for the pulmonary tuberculosis patient and his care. Sov.
zdrav.Kir. no.5:49-54 S-0 '62. (MIRA 15:10)
(TUBERCULOUS—CARE AND TREATMENT)

NEZLIN, S.Ye.

Pulmonary tuberculosis in elderly people. Trudy MOIP.Otd.biol.6:
156-158:62. (MIRA 16:7)

1. Central Institute of Labor Examination and Labor Organiza-
tion of Invalids, Ministry of Social Insurance RSFSR, Moscow.
(TUBERCULOSIS) (AGED--DISEASES)

KOLESNIKOV, S.A.; NEZLIN, V.Ye.; IVANITSKAYA, M.A.; PETROSYAN, Yu.S.;
LEONT'YEVA, N.S. ASTRAKHANSEVA, G.I.

Clinical observations on mitral stenosis patients with
active hypertension of the lesser circulation. Grud.khir.
4 no.6: 3-9 N-D'62. (MIRA 16:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof.
S.A.Kolesnikov; nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR. Adres avtorov: Moskva, V-49, Leninskiy prospekt, d.8,
Institut serdechno-sosudistoy khirurgii AMN SSSR.
(MITRAL VALVE--DISEASES) (HYPERTENSION)

NEZLIN, S.Ye., prof.

The capacity for work. Zdorov'e 8 no.6:2-3 Je '62. (MIRA 15'5)
(WORK)

AKULOVA, R.F.; BYKHOVSKIY, Z.Ye. [deceased]; VYGOLNER, Ye.B.;
GOL'DFAYL', L.G.; DIK, V.S.; DMITRIYEVA, N.M.; DUBYNINA,
Ye.I.; LEVIN, B.S.; MEZLIN, S.Ye.; SPERANSKIY, N.I.;
SOROKINA, Ye.I.; TKACHENKO, A.P.; FREYDIN, Kh.M.;
CHETVENIKOV, N.S.; VUL'FSON, I.Z., red.; KORIN, N.M., tekhn.
red.; FRONINA, N.D., tekhn. red.

[Manual for physicians on the selection of sanatoriums and
health resorts] Rukovodstvo dlia vrachei po sanatorno-
kurortnomu otboru. Pri uchastii R.F.Akulovoi i dr. 2 izd.,
dop. i ispr. Moskva, Medgiz, 1963. 511 p.

(MLA 16:12)

(SANATORIUMS)

(HEALTH RESORTS, WATERING PLACES, ETC.)

FLETNER, N.Kh.; NEZLIN, S.Ye. (Moskva.)

Work capacity of patients with pulmonary tuberculosis.
Klin. med. 40 no.12:42-48 D '62. (MIRA 17:2)

1. Iz Tsentral'nogo instituta ekspertizy trudosposobnosti
i organizatsii truda invalidov (dir. - prof. D.I. Gritskovich)
Ministerstva sotsial'nogo obespecheniya RSFSR.

BAKULEV, A.N., akaderik, red.; KOLESNIKOV, S.A., prof., red.;
ROVNOV, A.S., prof., red.; RAPOPORT, Ya.L., prof., red.;
NEZLIN, V.Ye., prof., red.; BEREZOV, Yu.Ye., prof., red.;
STOLYPIN, P.G., nauchn. sotr., red.; LOBYE, K.M.,
nauchn. sotr., red.; PORROVSKIY, A.V., nauchn. sotr., red.;
TSENTSIFER, M.B., nauchn. sotr., red.; ARAPOV, A.D., red.

[Surgical treatment of coronary disease] Khirurgicheskoe
lechenie koronarnoi bolezni. Moskva, Meditsina, 1965.
269 p. (MIRA 18:1)

1. Direktor Instituta serdechno-sosudis oy khirurgii
AMN SSSR (for Kolesnikov).

NEALIN, W. Y.

Analysis of the results of evaluation of the effectiveness of the program of the CIA.

FOIA(b)(7)(C)

NEZLIN, V. YE.

33502

K Diagnostike Anevrizmy Seriya. Terapevt. Arkhiv, 1949, Vyp. 5, c. 62-70. -Bibliogr:
c. 70.

SO: Letopis' Zhurnal'nykh Statey, Vol. 4, Moskva, 1949

NEZLIN, V. E.

Koronarnaia Bolezn (Coronary Diseases), 261 p., Moscow, 1951.

MEZLII, V. Ye.

[Disorders of coronary circulation of the blood; pathogenesis, clinical aspects, treatment] Narusheniia venechnogo krovoobrashcheniia, patogenez, klinika, lechenie. Moskva, Medgiz, 1955 (MLBA 8:11)
870 p.

(CORONARY ARTERIES--DISEASES)

NEZLIN, V.Ye., professor (Kislovodsk)

Diagnosis and differential diagnosis of myocardial infarct. Klin.
men. 34 no.7:10-19 J1 '56. (MLR 9:10)

(MYOCARDIAL INFARCT, diag.

diag. & differ. diag., ECG)

(ELECTROCARDIOGRAPHY, in various dis.

myocardial infarct, diag. & differ. diag.)

KOLESHNIKOV, S.A.; NEZLIN, V.Ye.; IVANITSKAYA, M.A.; PETROSYAN, Yu.S.;
LEONT'YEVA, N.S. ASTRAKHANTSEVA, G.I.

Clinical observations on mitral stenosis patients with
active hypertension of the lesser circulation. Grud.khir.
4 no.6: 3-9 N-D'62. (MIRA 16:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof.
S.A.Kolesnikov; nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR. Adres avtorov: Moskva, V-49, Leninskiy prospekt, d.8,
Institut serdechno-sosudistoy khirurgii AMN SSSR.
(MITRAL VALVE—DISEASES) (HYPERTENSION)

NEZLINA, N. I., Cand Biol Sci -- (diss) "Disturbance and restoration of motor functions in dogs after half-severing the brain stem." Mos, 1957. 12 pp (Acad Med Sci USSR), 200 copies (KL, 52-57, 105)

- 31 -

USSR / Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41708.

Author : Nezina, N. I.

Inst : Not Given.

Title : Disturbance and Restitution of the Motor Function
Following Transvers Hemisection of the Brain Trunk
at the Level of the Pons Varolii in Dogs.

Orig Pub: Dokl. AN SSSR, 1957, 112, No 6, 1153-1155.

Abstract: A transverse section of the left side of the cerebral trunk was done in 16 dogs, at the level of the upper part of the pons varolii. Following the operation, the thorax and neck of the dogs were twisted to the right; in the left extremities

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AUTHOR: Nezlina, N. I.

20-114-6-52/54

TITLE: The Part Played by the Large Hemispheres of the Brain of Dogs in the Recovery of the Functions Disturbed by a Transverse Hemisection of the Brain Stem at the Level of the Pons Varolii (Rol' kory bol'shikh polushariy golovnogo mozga u sobak v vosstanovlenii funktsiy, narushennykh v rezul'tate polovinnoy poperechnoy pererezki stvola golovnogo mozga na urovne varoliyeva mosta.)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 114, Nr 6, pp. 1322-1323 (USSR)

ABSTRACT: E. A. Asratyan (reference 1) together with his collaborators proved that compensatory adaptations, representing a complicated synthesis of various interacting forces in the organism, are caused by the cooperation of various levels (storeys) of the central nervous system. This cooperation depends on the depth of the injury and on the fact how complicated the functional disturbances developed under these conditions are. Insignificant injuries which are accompanied by little perceptible functional disturbances are rapidly compensated. This compensation may be brought about by the lower levels of the central nervous system. For the

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The Part Played by the Large Hemispheres of the Brain of 20-114-G-52/54
Dogs in the Recovery of the Functions Disturbed by a Transverse
Hemisection of the Brain Stem at the Level of the Pons Varolii

restoration of radical disturbances, however, the upper storeys of the nervous system are required. The degree of the participation of the upper storeys of the nervous system in the processes of compensation is the lower the lower the position of the respective species of animal in the series of evolution is. These are the principles of the new theory of evolution of the adaptation phenomena by E. A. Asratyan. The removal of the cerebral cortex of dogs which had been subjected to various injuries of the central nervous system is of importance in the determination of the part played by the individual storeys of the central nervous system in the compensation of the disturbed functions. The author reminds of the consequences of the hemisection of the brain stem (reference 2). After 2 - 3 months the disturbed functions (paresis of the limbs, curvature of the body and others) were almost completely restored. After the above-mentioned hemisection (= operation I) the cortex of the right cerebral hemisphere was in the present work also removed after the restoration of the disturbed functions (operation II). In all 7 dogs which had survived the operation the compensatory

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The Part Played by the Large Hemispheres of the Brain of 20-114-6-52/54
Dogs in the Recovery of the Functions Disturbed by a Transverse
Hemisection of the Brain Stem at the Level of the Pons Varolii

adaptations which had developed after operation I disappeared. The animals again could neither stand nor walk. The removal of the cortex of the right hemisphere changed the reflective excitability of the limbs of the same side of the body. The threshold of the reflective excitation of the bending reflex of the right limb was reduced by 2 - 4 cm of the distance of the coils. The proprioceptive sensitivity of the left side was disturbed. In the course of time a second restoration of the functions disturbed by operation II took place. 14 days after the operation the dogs were already with great effort capable of walking. After 4 - 6 weeks the activity of movement was so far restored that the animals could walk fairly well. The gait was more uniform, the animals fell extremely seldom. But the disturbed functions were not completely restored. Even after 7 1/2 months the movements of the hind legs remained somewhat incomplete, the animals were neither capable of running nor of jumping; during rapid walking the hind legs failed them and the dogs fell. The sensitivity was not restored either. There are 2

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The Part Played by the Large Hemispheres of the Brain of Dogs in the Recovery of the Functions Disturbed by a Transverse Hemisection of the Brain Stem at the Level of the Pons Varolii 20-114-6-52/54

references, all of which are Slavic.

ASSOCIATION: Physiological Laboratory AS USSR (Fiziologicheskaya laboratoriya Akademii nauk SSSR)

PRESENTED: April 6, 1957, by L. S. Shtern, Academician.

SUBMITTED: April 4, 1957

Card 4/4

NEZLINA, N.I.

Aftereffects of decortication in dogs with lateral hemisection of
the brain stem. Biul. eksp. biol. i med. 49 no. 4:49-52 Sp '60.
(MIRA 13:10)

1. Iz fiziologicheskoy laboratorii (rukovoditel' chlen-korrespondent
AN SSSR prof. E.A. Asratyan) AN SSSR, Moskva.
(BRAIN--SURGERY) (CEREERAL CORTEX)

Y. 10. 1957
HEZLOBIN, M.; TRIGUB, N.

Expand the production of mixed feed to meet the growing demands for livestock. Muk.elev.prom. 23 no.9:17-18 S '57. (MIRA 10:11)

1. Upravleniye ukomol'no-krupyanykh i kombikormovykh predpriyatiy Ministerstva khleboproduktov SSSR.
(Feed mills)

NEZLOBIN, M.

State and possible development of the flour milling industry.
Muk.-elev. prom. 28 no.7:20-21 JI '62. (MIRA 15:9)

1. Otdel tekhnicheskogo razvitiya muketol'no-krupyanyy i
kombikormovoy promyshlennosti Proizvodstvenno-tekhnicheskogo
upravleniye Gosudarstvennogo komiteta nagotovok.
(Flour mills)

NEZLOBIN, M.; KHAEE, L.

Increasing the efficiency of groats enterprises on existing
production areas. Muk-elev.prom. 29 no.1:13 Ja '63.

(MIRA 16:4)

1. Proizvodstvenno-tekhnicheskoye upravleniye Gosudarstvennogo
komiteta zagotovok Soveta Ministrov SSSR.
(Grain milling)

NEZLOBIN, M.; SHEVCHENKO, A.

Make fuller use of corncobs for forage mixtures. Mik.-elev. prom.
29 no.2:17-18 F '63. (MIRA 16:8)

1. Proizvodstvenno-tekhnicheskoye upravleniye Gosudarstvennogo
komiteta zagotovok.

(Corncobs as feed)

BAUM, A.; URAZOVA, Z.; NEZLOBIN, M.; AVDUS', P.

On the road of technological progress; materials of a review of the introduction and contests in the development of technical innovations. Muk.-elev. prom. 29 no.4:13-17 Ap '63.

(MIRA 16:7)

1. Tsentral'nyy institut nauchno-tekhnicheskoy informatsii Gosudarstvennogo komiteta zagotovok (for Baum). 2. Nauchno-tekhnicheskoye obshchestvo mukomol'noy i krupyanoy promyshlennosti i elevatornogo khozyaystva (for Urazova). 3. Nachal'nik otdela tekhnicheskogo razvitiya mukomol'no-krupyanoy i kombi-kormovoy promyshlennosti Proizvodstvenno-tekhnicheskogo upravleniya Gosudarstvennogo komiteta zagotovok (for Nezlobin). 4. Direktor Tsentral'noy laboratorii Gosudarstvennoy khlebnoy inspektaii (for Avdus').

(Grain-handling machinery)

NEZLOBIN, M.; KHABE, L.; SOLOV'YEV, M.

Recent developments in the technology of groats. Muk.-elev.
prom. 29 no.9:20-22 S '63. (MIRA 17:1)

1. Proizvodstvenno-tekhnicheskoye upravleniye Gosudarstvennogo komiteta zagotovok (for Nezlobin, Khabe).
2. Vserossiyskoye ob'yedineniye khleboproduktov (for Solov'yev).

NEZLOBIN, S.N., inzhener.

Automatic starting of turbo-feed pumps. Energetik 4 no.8:14-15
Ag '56. (Pumping machinery) (MLRA 9:10)

NEZLOBIN, S.N., inzhener.

Washing turbine condensers with a solution of sodium triphosphate.
Energetik 4 no.10:18 0 '56. (MLRA 9:11)
(Sodium triphosphate) (Condensers (Steam))

8/091/63/001/001/002/003
D299/D308

AUTHOR: Nezlobin, S.N.

TITLE: Development of an oil feed system in the BNT-50 (VPT-50) turbine

PERIODICAL: Energetik, no. 1, 1963, 7-8

TEXT: In the JM3 (LMZ) type VPT-50 turbine the oil feed to the governing system is produced by a centrifugal pump with a pressure of 20 kg/cm², and for lubrication by an oil injector with a pressure of 0.8 kg/cm². At the author's power station, in one VPT-50-2 and two VPT-50-3 turbines, after erection the oil parameters were not maintained due to the failure to keep the oil temperature between 35-40°C with parallel operation of the oil coolers. An oil pressure in the lubricating system of not more than 0.6 kg/cm² has been successfully achieved with completely closed overflow valves; in the governing system the oil pressure was 21 kg/cm² with a normal circuit frequency. It was suggested that the diameter of the injector nozzle should be increased from 16.3 mm to 20 mm. The output of

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Development of an oil feed ...

S/091/63/000/001/002/003
D299/D308

the main oil pump rose from 35000 to 5000 liters/min thus increasing the power consumption of the pump drive. This permitted the overflow valves to be completely opened and the oil pressure for governing and lubrication to be maintained at a level to suit the technical conditions. As a result of opening the overflow valves the speed of the oil to the oil coolers was raised and the amount of heat removed from them increased. There are 2 figures and 1 table.

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NEZMAH, Miroslav, pukovnik

The requirements of military knowledge for doctors and pharmacists.
Voj. san. pregl., Beogr. 11 no.5-6:217-219 May-June 54.

(MEDICINE, MILITARY AND NAVAL

in Yugosl., military science for physicians &
pharmacists)

(ARMED FORCES PERSONNEL

physicians & pharmacists, requirement of military
knowledge in Yugosl.)

MEZMAH, Miroslav, pukovnik

Modern weapons and army medical service. Voj. san. pregl., Beogr.
11 no.11-12:655-660 Nov-Dec 54.

1. Katedra vojnih i vojno-saniteskih predmeta VMA.
(MEDICINE, MILITARY AND NAVAL
med. serv. in atomic warfare)
(ATOMIC WARFARE
military med. serv. in)

NEZMAH, M.

Do military physicians and pharmacutists need general military instruction?
p. 217.

REVISTA MINELOR

Vol. 7, no. 5, May 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

ACCESSION NR: AP4041055

S/0120/64/000/003/0214/0214

AUTHOR: Tsirlin, Yu. A.; Zalyubovskiy, I. I.; Sokolovskaya, T. I.;
Neznamov, V. G.; Nikulina, R. A.

TITLE: Light response of CsI(Tl) crystal to proton and deuteron energy

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1964, 214

TOPIC TAGS: CsI(Tl) crystal, CsI(Tl) crystal light response, proton energy,
deuteron energy

ABSTRACT: The light response of CsI(Tl) crystals was measured in the 10--100
kev range on a Khabarovsk State University zevatron. The response to protons was
found to be lower than the response to deuterons, the ratio D:P being about 1.3.
The nonlinear segment of the curve lies below 25 kev. Orig. art. has 1 figure.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov
(All-Union Scientific-Research Institute of Single Crystals)

SUBMITTED: 05Jun63

ENCL: 0

SUB CODE: NP

NO REF SOV: 000

OTHER: 003

Card 1/1

REF: NOV, 1955; NO. 1000, Vol. 1.

... of ... of an automatic ...
... (MIA 8410)

NEZNAMOVA, N.G.

Beginning, end, and duration of high water in small drainage basins.
Sbor.rab.Kucsk. gidromet.obzery. no.2-109-115 '64. (MIRA 17-9)

POGREBINSKIY, A.P., prof.; BOBOVICH, I.M., dots.; AVDAKOV, Yu.K., dots.; PAZHITNOVA, T.K., dots.; CHUNTULOV, V.T., dots.; POLYANSKIY, F.Ya., prof.; FRIDBERG, L.Ya., dots.; DOROSHENKO, V.V., dots.; TALYBEKOV, S.Ye., prof.; FADEYEV, A.V., prof.; AMINOV, A.M., prof.; BOROVOY, S.Ya., prof.; KONYAYEV, A.I., dots.; SHEMYAKIN, I.N., prof.; PONYATOVSKAYA, N.P., dots.; SARYCHEV, V.G., dots.; GOLUENICHIY, I.S., prof.; VOSKRESENSKAYA, T., red.; NEZNAKOV, V., mlad. red.; MOSKVINA, R., tekhn. red.

[Economic history of the U.S.S.R.] Ekonomicheskaya istoriya
SSSR. Moskva, Sotsekgiz, 1963. 509 p. (MIRA 17:2)

L 36054-66 EWT(m)/EWP(j)/T W/RM

ACC NR: AP6015904 (N) SOURCE CODE: UR/0073/65/031/012/1337/1342

AUTHOR: Neznamova, T. G.; Dovrovol'skaya, V. P.; Barannik, V. P. 35
E

ORG: Sevastopol' Instrument Fabrication Institute (Sevastopol'skiy priborostroitel'nyy institut)

TITLE: Investigation of the protective effect of benztriazole¹ in neutral and acid media

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 31, no. 12, 1965, 1337-1342

TOPIC TAGS: corrosion inhibitor, ferrous metal, nonferrous metal,
corrosion rate, corrosion protection

ABSTRACT: The article gives data on the protective action of aromatic compounds of the azole group as corrosion retarders for ferrous and nonferrous metals in neutral media, in particular, of benztriazole, its sodium salt, and buffering solutions consisting of a mixture of benztriazole and its sodium salt. Samples tested were steel and copper plates 50 x 20 x 5 mm, cast iron plates 40 x 20 x 5 mm, and cast iron cylinders 28 mm in diameter and 5 mm high. The chemical compositions of the metals and their corrosion rates are shown in a table. The effect of varying concentrations of benztriazole and its sodium salt is shown in several figures. It was found that, in a neutral medium in a 1%

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UDC: 620.193.01

L 36054-66

ACC NR: AP6015904

solution, benzotriazole has a protective effect with an inhibition coefficient equal to 7 for gray iron, 9 for St-3 steel, and 12-15 for Ni-resist. A 0.05% concentration of benzotriazole has a protective action for copper, and a 0.1% concentration has a protective action for copper in contact with steel. In acid solutions, the corrosion rate inhibition coefficient decreases from 15 to 4 with an increase in the pH. Benzotriazole has a protective action with respect to copper in a 2 N solution of hydrochloric acid, and the corrosion inhibition coefficient is equal to 5.5; however, benzotriazole form a considerable number of phase compounds on the surface of the copper. The best inhibitors were found to be buffering solutions of benzotriazole with a pH from 7.3 to 7.5. Orig. art. has: 5 figures and 1 table.

SUB CODE: 11, 07/ SUBM DATE: 09Aug63/ ORIG REF: 006/ OTH REF: 008

Card 2/2 vmb

L 36178-66 EWT(m)/EWP(j)/T/EWP(t)/ETI IJP(c) RM/WB/WA/JD
ACC NR: AP6014269 (N) SOURCE CODE: UR/0153/ 4/009/001/010-0147

AUTHOR: Dobrovol'skaya, V. P.; Neznamova, T. G.; Barannik, V. P.

ORG: Sevastopol' Instrumentation Institute (Sevastopol'skiy inzhenerno-instrumentalnyy institut)

TITLE: 8-Mercaptoquinoline and 8-hydroxyquinoline as corrosion inhibitors for steel, cast iron and copper in acid media in the presence of ammonium ions

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 9, no. 1, 1966, 144-147

TOPIC TAGS: corrosion inhibitor, steel, copper, cast iron, ammonium salt

ABSTRACT: The paper constitutes the first stage of a study of the anticorrosive action of compounds having the common property of forming chelates with metal ions. The effect of 8-hydroxyquinoline (which forms a chelate with Cu^{2+} ions only at pH 5.33-14, i. e., the chelate does not exist in acid media) and 8-mercaptoquinoline (which forms insoluble compounds with Cu^{2+} in acid media) on the corrosion of M-1 copper, St-3 steel, several types of cast iron, and steel in contact with electrolytic copper was investigated in the following two electrolytes: 0.5 N HCl + 0.025 N NH_4Cl and 1.0 N H_2SO_4 + 0.025 N $(\text{NH}_4)_2\text{SO}_4$. 8-Mercaptoquinoline was found to inhibit copper corrosion in both of these solutions, and to be particularly effective in HCl, where the corrosion rate decreased by 80-90%; under the same conditions, 8-hydroxyquinoline

UDC: 620.193.01

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L 36178-66

ACC NR: AP6014269

has no protective or stimulating effect. Neither of the two inhibitors changed the corrosion rate of cast iron in sulfate solution, but both decreased it slightly in chloride solution. Both have approximately the same protective effect on steel in HCl solution, decreasing the corrosion by a factor of 10. In H₂SO₄ solution, 8-hydroxyquinoline decreases the corrosion by a factor of 4, and 8-mercaptohydroxyquinoline in a concentration of 0.01 and 0.05 mole/l, by a factor of 15-20. The latter inhibitor is effective in the case of steel-copper pairs in HCl solution, but when its concentration is 0.01 and 0.05 mole/l, the copper corrosion increases. 8-Hydroxyquinoline slows down the corrosion of St-3 steel in contact with copper in sulfate and chloride solutions. Orig. art. has: 4 figures and 1 table.

SUB CODE: 13/ SUEM DATE: 30Sep64/ ORIG REF: 005/ OTH REF: 002

Card

2/2 MLF

L 04109-67 EWP(j)/EWT(m)/EWP(t)/ETI IJF(c) RM/JD/WB

ACC NR: AP6032415 (N) SOURCE CODE: UR/0021/66/000/009/1176/1179

AUTHOR: Neznamova, T. H. -- Neznamova, T. G.; Barannyk, V. P. --
Barannik, V. P.

ORG: Sevastopol' Toolmaking Institute (Sevastopol'skiy pryladobudivel'nyy instytut)

TITLE: Azole-type mercaptoderivatives as corrosion inhibitors of cast iron and steel in water

SOURCE: AN UkrSSR. Dopovidi, no. 9, 1966, 1176-1179

TOPIC TAGS: corrosion, corrosion protection, corrosion inhibitor, ferrous metal corrosion, cast iron corrosion, steel corrosion, benzoazole, mercaptoderivative, mercaptobenzimidazole, mercaptobenzothiazole, mercaptobenzoxazole

ABSTRACT: Reactions of sodium salts, which readily dissolve in water, with mercaptoderivatives of benzoazoles were investigated. Mercaptobenzimidazole was found to be unsuitable for use as corrosion inhibitor for ferrous metals, since no complete protection of samples was achieved. Mercaptobenzothiazole is equally effective in protecting cast iron and steel. Complete protection of samples was

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L 04109-67

ACC NR: AP6032415

observed in solutions of comparatively low concentrations, i. e. , 0. 2% for steel, and 0. 25% for cast iron. Mercaptobenzoxazole was found to have the greatest protective effect. Steel corrosion stops with 0. 05% of the inhibitor in the solution, and cast iron-with 0. 2%. Mercaptoderivatives are most effective within the range of PH = 8. 0—9. 0 (mercaptobenzoxazole) and 8. 5—9. 5 (mercaptobenzthiazole). The paper was presented by Yu. K. Delimars'kyy, Member of the Academy of Sciences, Ukrainian SSR. Orig. art. has: 2 figures. [Based on authors' abstract]

SUB CODE: 13/ SUBM DATE: 28Apr65/ ORIG REF: 005/ OTH REF: 015/

kh

Card 2/2

ACC NR: AP6036829

SOURCE CODE: UR/0021/66/000/011/1451/1454

AUTHOR: Neznamova, T. G.—Neznamova, T. G.; Barannyk, V. P.—Barannik, V. P.

ORG: Sevastopol' Instrument Building Institute (Sevastopol'skiy pryladobudiveli'nyy institut)

TITLE: Certain azoles: corrosion inhibitors of cast iron and steel in water

SOURCE: AN UkrSSR. Dopovidi, no. 11, 1966, 1451-1454

TOPIC TAGS: corrosion inhibitor, steel corrosion, cast iron corrosion, benzotriazole

ABSTRACT: A study has been made of the inhibitions effect of benzoxazole, benzimidazole, benzotriazole, or benzothiazole on the corrosion of cast iron and steel in water. Benzotriazole was shown to be the most effective corrosion inhibitor. In 1% solutions of benzotriazole the corrosion rate was lowered by about 1000%. However, the effect benzotriazole is only temporary. The effectiveness of benzotriazole can be considerably improved by the addition of its sodium salt (pH 7—8). Steel or SCh cast iron can be fully protected by the addition of 0.2% or 0.5% of the buffer mixture (pH 8), respectively. This paper was presented by Yu. K. Delimars'kyy, Academician AN URSR. Orig. art. has: 3 figures.

SUB CODE: 11, 07, 13/ SUBM DATE: 28Apr65/ ORIG REF: 005/ OTH REF: 015/ ATD PRESS: 5107
Card 1/1

L 8899-66 EWP(e)/EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(h) ID/AVH/IB/WFI

ACC NR: AP5025664

SOURCE CODE: UR/0010/65/038/010/2388/2390

AUTHOR: Neznamova, T. G.; Dobrovol'skaya, V. P.; Barannik, V. P.

ORG: none

TITLE: Corrosion inhibiting properties of benztriazole in neutral and acid solutions

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 10, 1965, 2388-2390

TOPIC TAGS: corrosion protection, anticorrosion agent, copper, steel

ABSTRACT: The purpose of this work was to investigate the inhibition of corrosion of ferrous metals and copper by benztriazole. The corrosion inhibiting properties of benztriazole were investigated on specimens over the course of 10-90 days at 17°C. The rate of corrosion of cast iron and steel as a function of the concentration of benztriazole is shown in fig. 1. The concentration of benztriazole in the amount of 0.001% is quite sufficient to completely prevent the corrosion of copper and 0.5% is sufficient to protect Ni-Resist with spherical graphite. Corrosion of steel and gray iron is retarded 8-10 fold in the course of 30 day testing in 1% benztriazole solution. The use of benztriazole in acids is not practical. In buffered solutions, consisting of benztriazole and its sodium salt (pH = 7.3-7.5), 0.1% solution of buffer mixture reduces the corrosion rate of cast iron and steel to the level where 1% solu-

UDC: 620.197.3 + 547.77

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L 8899-66

ACC NR: AP5025664

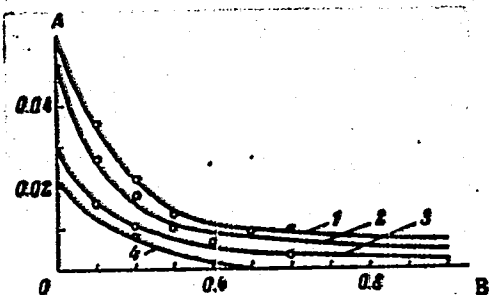


Fig. 1. The rate of corrosion of cast iron and steel as a function of the concentration of benzotriazole. A--rate of corrosion ($\text{g/m}^2, \text{hr}$); B--concentration of inhibitor (%); 1--gray iron; 2--steel; 3--Ni-Resist with plate-like graphite; 4--Ni Resist with spherical graphite.

tion of benzotriazole alone was required. Thus, on the basis of the apparent efficiency of buffered solutions, their use is recommended in closed water circulating systems where steel and copper parts are in contact. Orig. art. has: 4 figures.

SUB CODE: 11/

SUBM DATE: 22Jun64/

ORIG REF: 000/

OTH REF: 002

OC

Cont 2/2

NEZNAMOVA, T.G.; DOBROVOL'SKAYA, V.P.; BARANNIK, V.P.

Protective effect of benzotriazole in neutral and acid media.
Ukr. khim. zhur. 31 no. 12:1331-1342 '65 (MIRA 19:1)

1. Sevastopol'skiy priborostroitel'nyy institut. Submitted
August 9, 1963.

L 04109-67 EWP(j)/EWP(m)/EWP(t)/EPI IJP(c) RM/JD/wB

ACC NR: AP6032415 (N) SOURCE CODE: UR/0021/66/000/009/1176/1179

AUTHOR: Neznamova, T. H. -- Neznamova, T. G.; Barannyk, V. P. --
Barannik, V. P.

ORG: Sevastopol' Toolmaking Institute (Sevastopol'skiy prykladobudivel'nyy instytut)

TITLE: Azole-type mercaptoderivatives as corrosion inhibitors of cast iron and steel in water

SOURCE: AN UkrSSR. Dopovidi, no. 9, 1966, 1176-1179

TOPIC TAGS: corrosion, corrosion protection, corrosion inhibitor, ferrous metal corrosion, cast iron corrosion, steel corrosion, benzoazole, mercaptoderivative, mercaptobenzimidazole, mercaptobenzothiazole, mercaptobenzoxazole

ABSTRACT: Reactions of sodium salts, which readily dissolve in water, with mercaptoderivatives of benzoazoles were investigated. Mercaptobenzimidazole was found to be unsuitable for use as corrosion inhibitor for ferrous metals, since no complete protection of samples was achieved. Mercaptobenzothiazole is equally effective in protecting cast iron and steel. Complete protection of samples was

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L 04109-67

ACC NR: AP6032415

observed in solutions of comparatively low concentrations, i. e., 0.2% for steel, and 0.25% for cast iron. Mercaptobenzoxazole was found to have the greatest protective effect. Steel corrosion stops with 0.05% of the inhibitor in the solution, and cast iron-with 0.2%. Mercaptoderivatives are most effective within the range of PH = 8.0—9.0 (mercaptobenzoxazole) and 8.5—9.5 (mercaptobenzthiazole). The paper was presented by Yu. K. Delimars'kyy, Member of the Academy of Sciences, Ukrainian SSR. Orig. art. has: 2 figures. [Based on authors' abstract]

SUB CODE: 13/ SUBM DATE: 28Apr65/ ORIG REF: 005/ OTH REF: 015/

kh

Card 2/2

AL'TER, L.B., doktor ekon. nauk; BLYUMIN, I.G., doktor ekon. nauk [deceased]; KARATAYEV, N.K., prof.; REUEL', A.L., doktor ekon. nauk; STEPANOV, I.G., doktor ekon. nauk; SHTEYN, V.M., doktor ekon. nauk; POLYANSKIY, F.Ya., doktorist. nauk; BOBKOV, K.I., kand. ekon. nauk; VASILEVSKIY, Ye.G., kand. ekon. nauk; MOROZOV, F.M., kand. ekon. nauk; PONOMAREV, Ye.I., kand. ekon. nauk; RYNDINA, M.N., kand. ekon. nauk; FIRSOVA, S.M., kand. ekon. nauk; TSAGA, V.F., kand. ekon. nauk; ZHUK, I., red.; VOSKRESENSKAYA, T., red.; NEZNA NOV, V., red.; ULANOVA, L., tekhn . red.

[History of economic theories] Istoriia ekonomicheskikh uchenii. Moskva, Sotsekiz, 1963. 549 p. (MIRA 17:2)

1. Akademiya nauk SSSR. Institut ekonomiki.

LOKSHIN, Efraim Yudovich; MILENANOV, V., red.; VOSKREBENSKAYA, T.,
red.

[U.S.S.R. industry in 1940-1963; an historical essay 'Pro-
myshlennost' SSSR 1940-1963; ocherk istorii. Moskva, Svyaz',
1964. 302 p. (MIA 17:10)

FIRETS, L.G.; MEDVINSKAYA, K.G.; NEZMANSKAYA, I.I.

Effect of subbacteriostatic doses of antibiotics on bacteria.
[with summary in English]. Antibiotiki 3 no.6:63-69 N-D '58.
(MIRA 12:2)

1. Sverdlovskiy nauchno-issledovatel'skoy institut antibiotikov.
(ANTIBIOTICS, effects,
on bact., sub-bacteriostatic doses (Rus))

BYCHKOVSKAYA, O.V.; BAZHEDOMOVA, M.A.; BABINA, N.S.; IVANOVA, O.D.;
KISELEVA, L.F.; NEZNANSKAYA, I.I.

Increase of the antibody titer in two-stage immunization against
poliomyelitis with a live vaccine. Vop. virus. 7 no.2:241 Mr-Apr '62.
(MIRA 15:5)

1. Sverdlovskiy institut po profilaktike poliomyelita.
(POLIOMYELITIS--VACCINATION)

NEZNANSKAYA, I.I.

Some regularities in interference of poliomyelitis and nonpolio-
myelitis enteroviruses. Vop.virus 7 no.4:71-73 J1-Ag '62.

(MIRA 15:8)

1. Nauchno-issledovatel'skiy institut virusnykh infektsiy, Sverd-
lovsk.

(INTESTINES—MICROBIOLOGY) (POLIOMYELITIS VIRUSES) (ANTIBIOSIS)

MEZNAJEV, M.

USSR/Irrigation and Reclamation 4302.0300 Dec 1947

"Concerning the Use of Lands in the Non-black Soil Belt of the USSR," M. Meznyayev, Candidate in Economic Sciences, 5 pp

"Sots Sel Khoz" Vol IVIII, No 12

New Five-Year Plan provides for reclamation of waste-lands in Belorussia, Barabinskaya Steppes, under water lands near Yakhrom River. Article discusses economic advantages of reclamation, percent of USSR-reclaimed land in 1940 in three sections of reclamation need for one organization to deal with reclamation of reclaimed land and mechanization V. R. 13336

10 USSR/Irrigation and Reclamation 4302.0300 Dec 1947 (Contd)

22 million hectares of land must be reclaimed in order to introduce grass rotation. Asad- emician A. N. Kostyakov ascertained that 13 - 14 million hectares in European USSR, which could be used as pasture land, meadow land and vegetable farms are still submerged.

13336

10

KOKOVIN, Yevgenii Vladimirovich, kandidat sel'skokhozyaystvennykh nauk;
MEZNAIYEV, Mikhail Fedorovich, kandidat sel'skokhozyaystvennykh nauk;
VOL'FOVSKAYA, D.N., redaktor; PEVZNER, V.I., tekhnicheskiy redaktor

[Mechanization of work in the drainage and reclamation of land]
Mekhanizatsiia rabot po osusheniiu i osvoeniiu zemel'. Moskva, Gos.
izd-vo selkhoz. lit-ry, 1956. 390 p. (MIRA 9:11)
(Reclamation of land) (Drainage)

NEZNAIYEV M.F.

USSR/Soil Science - Cultivation, Improvement, Erosion.

J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100107

Author : Neznaiev, M.F.

Inst :

Title : Methods of the Initial Cultivation of Peat Soils.

Orig Pub : Zemledeliye, 1957, No 1, 38-39

Abstract : No abstract.

Card 1/1

- 75 -

MEZNAIEV, M.F., kand.sel'skokhozyaystvennykh nauk

Machines and tools for the reclamation of drained lands developed
by the All-Union Scientific Research Institute of Hydraulic Engi-
neering and Reclamation. Trudy VNIIGIM 32:155-162 '59.

(MIRA 13:8)

(Agricultural machinery)

NEZNAYEV, M.F., kand.sel'skokhoz.nauk

Primary cultivation practices for drained bogs. Gidr. i mel. 14
no.2:32-41 F '62. (MIRA 15:1)
(Peat bogs) (Tillage)

NEZNAEV, P.D.

Morphological and physiological study of woody plants in
Chelyabinsk Province. Trudy Inst. biol. UFA: SSSR no. 43:
119-120 ' 65 (MIRA 19:1)

1. Institut biologii Bashkirskego gosudarstvennogo univer-
siteta.

NEZHAYEV, T. N

Supporting sector bin gates. Stroital' no.1:27 Ja '60.
(MIRA 13:5)

1. Glavnyy inzhener zavoda zhelezobetonnykh izdeliy No.1
Stalingradgostroya.
(Concrete--Transportation)

NEZNAYEV, T.N.

[Vibration molding unit for the manufacture of precast reinforced-concrete articles with immediate removal of forms] Vibroformovochnaia ustanovka dlia izgotovleniia sbornykh zhelezobetonnykh izdelii s nemedlennoi raspalubkoi; iz opyta domostroitel'nogo kombinata Stalingradgidrostroia. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 16 p. (MIRA 14:11)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Glavnyy inzhener proyekta Proyektno-konstruktorskoy kontory Stalingradgidrostroya (for Neznayev).

(Precast concrete)

NEZNAYEV, T.N.

Assembly of reinforced concrete elements of the main building
of the Volga Thermal Electric Plant. Prom.stroi. 40 no.8:18-22
'62. (MIRA 15:11)

(Precast concrete construction)
(Volgograd Province--Electric power plants)

POPOV, V.V., kand.tekhn.nauk; MAMONTOVA, Z.G., inzh.; NEZMAYEVA, T.V., inzh.

Methods of oil impregnation of fir, pine and larch ties with
preliminary puncturing. Trudy TSNII MPS no.224:58-104 '62.
(MIRA 15:4)

(Railroads--Ties)

(Wood--Preservation)

NEZNAIKO, G.F. [Neznaiko, H.F.], prepodavatel'

Operating MU-1 washing machines on liquid fuel. Mekh. sil'. hosp.
11 no.9:9 S '60. (MIRA 13:9)

1. Nikopol'skiy tekhnikum mekhanizatsii sel'skogo khozyaystva na
Dnepropetrovskoy oblasti.
(Cleaning machinery and appliances)

NEZNAYKO, G.F. [Neznaiko, H.F.], prepodavatel'

How to prolong the life of crankshafts. Mekh. sil'. hosp. 12
no. 4:32 Ap '61. (MIRA 14:4)

1. Nikopol'skiy tekhnikum mekhanizatsii sel'skogo khozyaystva.
(Crank and crankshafts)

L 16128-66 EWT(m)/EWP(J) RM

ACC NR: AP6004179

SOURCE CODE: UR/0076/66/040/001/0094/0099

AUTHOR: Viktorova, Ye. N., Zelinskiy, V. V.; Neznayko, N. F.

50
B
7-4155

ORG: none

TITLE: Effect of phenyl groups on the fluorescence yield of aminophthalimides

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 1, 1966, 94-99

TOPIC TAGS: fluorescence, quantum yield, organic nitrogen compound, absorption spectrum, electron spectrum, cyclic group

ABSTRACT: The effect of phenyl groups introduced into the amino group of 4-amino-N-methylphthalimide, 3-amino-N-methylphthalimide, 3-diphenylamino-N-methylphthalimide, 4-diphenylamino-N-methylphthalimide, and 4-monophenylamino-N-methylphthalimide on the fluorescence of these compounds was studied by determining the absorption spectra and quantum fluorescence yields in various solvents at 20C. The electron spectra showed the presence of conjugation between the electron-acceptor phenyl group introduced into the amino group and the phthalimide ring, as indicated by a substantial bathochromic shift. Curves of the following relationships were plotted: ν_{max} versus solvent at 20C, quantum fluorescence yields versus position of corresponding fluorescence spectra, and quantum fluorescence yields versus corresponding Stokes shifts. Orig. art. has: 3 figures.

Card 1/2

UDC: 543.42

- L 16128-66

ACC NR: AP6004179

SUB CODE: 0729 / SUBM DATE: 23Sep64 / ORIG REF: 013 / OTH REF: 005

Card 2/2 SM

04755-67 EWP(j)/EWT(m) RM

ACC NR: AP6025953

SOURCE CODE: UR/0051/66/021/001/0045/0050

AUTHOR: Neznayko, N. F.; Obyknovennaya, I. Ye.; Cherkasov, A. S.

25
B

ORG: none

TITLE: Formation of mixed excimers during quenching of monomer and excimer fluorescence of dimesoalkylanthracenes with 9-acetylanthracene

SOURCE: Optika i spektroskopiya, v. 21, no. 1, 1966, 45-50

TOPIC TAGS: anthracene, fluorescence quenching

ABSTRACT. When different derivatives of anthracene¹ are present simultaneously in solution, the formation of molecular association due to the interaction of excited molecules of one compound with unexcited molecules of another compound occurs. These molecular associations are called mixed excimers. The formation of mixed excimers is accompanied by the emission of a long wavelength fluorescence band and decrease of the quantum yield of the fluorescence of monomers. This investigation was conducted in order to determine whether or not excimer luminescence will be produced if the excimer contains a nonfluorescent molecule in its composition or if such a molecule will cause rapid radiationless deactivation. For this purpose, the effect of nonfluorescing 9-acetylanthracene on the luminescence of deoxygenated toluene solutions of 9,10-dimethylantracene and 9,10-di-n-propylantracene was investigated. Luminescence was

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UDC: 535.373.4

OL755-67

ACC NR: AP6025953

excited by 405 mμ radiation produced by a mercury vapor lamp. Introduction of 9-acetylanthracene into low concentration solutions of 9,10-dimethylantracene and 9,10-di-n-propylantracene leads to a quenching of fluorescence without any changes in the general form of the spectrum. When the concentration of dimethylantracene and di-propylantracene is high, in addition to the fluorescence of monomers, the fluorescence band of excimers is also apparent. Thus, although 9-acetylanthracene does not belong to the class of typical fluorescence quenchers causing a decrease in fluorescence yield of different compounds, it does selectively quench the fluorescence of anthracene derivatives. A mechanism is proposed for the quenching of excimer fluorescence as well as the rate constants for the processes involved. Orig. art. has: 3 figures, 1 table.

SUB CODE: 07/

SUBM DATE: 29Mar65/

ORIG REF: 008/

OTH REF: 003

KN
Card 2/2

I 22928-66 EWT(1)/EWA(h) CM

ACC NR: AP60131634

SOURCE CODE: UR/0387/66/000/004/0036/0044

AUTHOR: Khalevin, N. I.; Druzhinin, V. S.; Rybalka, V. M.; Nezolenov,
E. A.; Chukdakova, L. N. 12ORG: Institute of Geophysics, Ural Branch, Academy of Sciences SSSR
(Institut geofiziki, Ural'skiy filial, Akademiya nauk SSSR) BTITLE: Results of deep seismic sounding of the earth's crust in the
central Urals

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 4, 1966, 36-44

TOPIC TAGS: deep seismic sounding, seismic profile, seismic discon-
tinuity, deep drilling, Moho discontinuityABSTRACT: In 1962—1964 the Bizhenovsk Geophysical Expedition of the
Ural Geological Administration of the Main Geological Administration
of the RSFSR and the Institute of Geophysics of the Ural Branch of the
Academy of Sciences SSSR carried out deep seismic soundings (GSZ)
along a 450-km, east—west profile across the Urals between Krasnoufinsk
on the west and Tyumen on the east. Both the GSZ and KMPV (longitu-
dinal wave correlation) methods were used. In the GSZ operations, six
shot points, spaced about 100 km apart with travel times of 300 km,
were supplemented in the Asbest region by quarry explosions detonated

Card 1/2

UDC: 550.834:550.311 2-

L 22928-66

ACC NR: AP6013163

simultaneously with the GSZ shots. Three shot points, spaced about 25 km apart with travel times of 50 km, were used in the KMPV operations. Instruments used in the KMPV method were SS-30/60 stations with SPEN-1 seismographs; the filtration was 2-2 for distances of less than 100 km, and 1-1 for longer distances. Seismographs were arrayed in groups of 3-4, 10-20 m apart with 100 m between the groups. Six main groups of reflected and refracted waves were distinguished (three discontinuities in the upper crust and three in the lower crust), the surfaces of the granite-gneiss basement and the Moho discontinuity being the best defined. Analysis of the seismographic data showed that the crust and upper mantle is layered, that the crust is characterized by a fault-block structure, and that the Moho discontinuity is downwarped under the Urals. The authors evaluate the data obtained in this study as being of great value in selecting the site for deep drilling in the Urals and recommend that additional profiles be run, especially in the Tagil'-Magnitogorsk area where an explanation for the 7000 m/sec velocity discovered in the present study at a depth of 5-6 km might be obtained. Orig. art. has: 3 figures.

[ER]

SUB CODE: 08/ SUBM DATE: 26Dec64/ ORIG REF: 009/ OTH REF: 001

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Card 2/2

Some properties of solid solutions based on gallium phosphide.
V. V. Nezreskul, S. I. Radautsan, I. K. Takhtareva (10 minutes).

Some electrical, optical, and magnetic properties of the ternary
semiconducting compound CdIn_2Te_4 . I. V. Potykevich, O. I. Belyayev,
S. V. Chepura (10 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds,
Kishinev, 14-21 Sept 1963

1540. FIRE PROTECTION FOR OIL INDUSTRY UNDERTAKINGS
[PROTIVOCZHAGI I OZHOGA POKRYATIYI NEFTYAN I PROMYSLENNAYA]
Kontsev, P.T. (Moscow Gosoptekhnizat, 1957) 162 p., 8 figs. Paper. In
Russian. Book List on Oil Refining, 1957. The chief causes of
fires in production, refining, storage and transport are indicated and
means of prevention and fire fighting are described.

MEZVAL, H.



NEZVAL, Ferenc, dr.

The amnesty decision. Hung TU no.5:9-10 My '63.

1. Minister of Justice, Budapest.

PYTLIK, Karel; NEZVAL, Frantisek

Determining the gravitation center of the heel and the gravitation center of shoe heels with a small top lift. Kozarstvi 15 no.9: 77-78 Mr '65.

1. Svit National Enterprise, Gottwaldov.

NEZVAL, J.; KLEINWACHTEROVA, H.

Oscilopolarographic and stalagmometric method of detection
of small amounts of septonex. Cesk. hyg. 9 no.3:176-180
Ap'64.

1. Katedra hygieny a epidemiologie lekarske fakulty UJEP,
Brno.

*

NEZVAL, J.; TABORSKY, I.

Determination of some parameters of carbethoxypentadecyltrimethylammonium chloride (Septonex) in comparison with Cepryn and Cetavlon. Cesk. epidem. 13 no.1:42-47 Ja'64

1. Katedra hygieny a epidemiologie lekarske fakulty UJEP v Brne.

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S/179/60/000/005/005/010
E191/E181

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J

AUTHOR: Nezval, Va. (Prague)

TITLE: Axial Vibrations of Discs Coupled with Blades in Turbines

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1960, No 5. pp 118-121

TEXT: It is stated that a satisfactory method of computing the frequencies of steam turbine discs with blades has not hitherto been evolved. Several methods exist but they are mostly laborious and usually insufficiently accurate. A theoretical determination of the natural frequencies of an elastic disc with blades is presented here. The real system is replaced by a substitute mechanical system for which an exact solution can be found. The ratio of the bending stiffnesses of the disc and the blades is the important parameter. It is assumed that the axial deformation of the disc is sufficiently large so that its mass cannot be neglected. Making use of the customary simplifications, the equations describing the steady state axial vibrations of a bladed disc are formulated together with the boundary conditions expressing the mounting of the disc on its hub. Card 1/2

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Axial Vibrations of Discs Coupled with Blades in Turbines

the conditions at the rim of the disc and at the tips of the cantilever blades. The disc thickness is assumed to vary along the radius hyperbolically. The theoretical problem consists in finding a minimum of the corresponding quadratic functional (kinetic potential). The problem may be solved by one of the direct methods (Ritz - Galerkin, Grammel or others) but the results will depend on the choice of the deflection curves, satisfying the boundary conditions. In the present paper the boundary value problem is solved for the disc with a suitably chosen hyperbolic substitution and for a vibration mode with a nodal circle at the radius of the disc fixing to the hub. The solution makes use of eigenfunctions and eigenvalues especially formulated (Eq 15). These functions and their derivatives up to the third have been tabulated for the Institute of Mathematical Machines in Prague. The computation method given is best carried out on automatic digital computers. A similar method by I. Krasný of the NIITT (Thermotechnics Research Institute), Prague, is mentioned which permits the use of a slide rule.

SUBMITTED: October 14, 1959

Card 2/2

BLAZIČOVA, Z.; ŠNEVAL, J.; VEJČEK, R.

Anticidal effect of spontaneously evaporated peracetic acid on *Ps. Aeruginosa*, *St. pyogenes aureus*, and *B. subtilis*.
Ser. med. fac. med. Brunensis 38 no.2/3:107-113 '65.

1. The Department of Hygiene and Epidemiology of the Medical Faculty of the Purkyne University in Brno (The Head of the Department: Professor MUDr. et RNDr. Karel Halabala).