

S/181/63/005/003/029/046
B102/B180

AUTHORS: Geguzin, Ya. Ye., and Dzyuba, A. S.

TITLE: Interaction of macroscopic pores in a solid

PERIODICAL: Fizika tverdogo tela, v. 5, no. 3, 1963, 891-896

TEXT: The authors consider two relatively large pores close to one another and calculate the possible distortions of the stress and diffusion fields caused by their interaction, and assess the kinetics of the processes accompanying the approach of their centers. This was

experimentally studied with macroscopic pores $10^{-1} - 10^{-2}$ cm diam in artificial NaCl crystals grown by the Stokbarger method. Samples with suitable, close, pores of equal size were selected and studied under the microscope. The pores were healed by heating in an autoclave (argon $20-30 \text{ kg/cm}^2$, $700-750^\circ\text{C}$). The experimental results are plotted as $l/l_0 = f(d/d_0)$, where $l=L+2R$ is the distance between the pore centers and $d=2R$, the pore diameter. The experimental values lie on the theoretical
Card 1/2

Interaction of macroscopic pores in ... S/181/63/005/003/029/046
B102/B180

curves, calculated from

$$v \approx \frac{R^2 \dot{R}}{(L+R)^2} = \frac{\dot{R}}{(1+L/R)^2}, \text{ where } v \text{ is the rate with which the pore}$$

centers approach. There are 5 figures.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo
(Khar'kov State University imeni A. M. Gor'kiy)

SUBMITTED: October 29, 1962

Card 2/2

L 19163-63 EWT(1)/EWP(q)/EWT(m)/EWP(b)/BDS AFFTC/ASD/ESD-3/IJP(G) JD/JG
ACCESSION NR: AP3005329 S/0181/63/005/008/2219/2227

AUTHORS: Geguzin, Ya. Ye.; Dzyuba, A. S.; Kosevich, A. M.

72
65

TITLE: Healing of isolated voids in a crystalline body by uniform pressure

SOURCE: Fizika tverdogo tela, v. 5, no. 8, 1963, 2219-2227

TOPIC TAGS: healing, void, crystal, pressure, kinetics, Na, Cl, creep, high temperature, elastic limit

ABSTRACT: Experimental studies have been made to trace the kinetics of healing isolated voids in single crystals of NaCl when the crystals are subjected to externally applied gas pressure under uniform compression. The observed kinetics are explained by increased gas pressure in the voids as a consequence of decreased volume of the voids. Calculations have been made for the kinetics of healing isolated voids within the framework of "Odqvist's scheme" (F. Odqvist, Acta Polytechnica, 2, 125, 1953). By comparing experimental and computed kinetic curves, the value of the elastic limit in a single crystal of NaCl has been determined for the region of pre-fusion temperatures. The value obtained,

Card 1/2

L 19163-63

ACCESSION NR: AP3005329

7

$\sim 45-55 \text{ g/mm}^2$, is found to be near the value determined optically at room temperature by R. I. Garber and L. M. Polyakov (FTT, 2, 974, 1960). Other parameters determining the kinetics of healing voids agree with values obtained by direct experiments on high-temperature creep in single crystals by Ya. Ye. Geguzin, V. L. Rabets, and A. A. Cherny*shov (FTT, 5, 891, 1963). Orig. art. has: 8 figures and 19 formulas.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo
(Kharkov State University)

SUBMITTED: 20Mar63

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: PH

NO REF SOV: 010

OTHER: 003

Card: 2/2

GEGUZIN, Ya.Ye.; DZYUBA, A.S.

Effect of pressure on the interdiffusion of metals in connection with the effect of the occurrence of diffusion porosity. Fiz. met. i metalloved. 15 no.2:290-202 F '63. (MIRA 16:4)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo.
(Metallography) (Diffusion)

DZYUBA, A.V., mashinist elektrovoza

Circuit for the contactor protection of the VL22^M electric locomotive.
Elek. i tepl. tiaga no.1:37 Ja '61. (MIRA 14:3)

1. Depo Krasnoarmeyskoye Donetskoy dorogi.
(Electric locomotives)

DZYUBA, B., inzh.

Welding meshes on the ATMS-14 X 75 welding machine. Promstroi.
i inzh. soor. 4 no.4:41-43 J1-Ag '62. (MIRA 15:9)
(Concrete reinforcement--Welding)

DZYUBA, F.

Training of technicians for the sugar industry in Krasnodar.
Sakh.prom. 35 no.4:9-10 Ap '61. (MIRA 14:3)
(Krasnodar—Sugar industry—Study and teaching)

DZYUBA, F.T.

DZYUBA, F.T. (Krasnodar) [reviewer].

From the history of the development of pedagogical ideas in Russia. ("Hand-
book for the teaching of arithmetic." Reviewed by F.T.Dziuba.) Mat. v
shkole no.5:1-3 S-O '53. (MLR 6:9)

(Arithmetic--Study and teaching)

DZYUBA, F.T.

DZYUBA, F.T.

About a manual of poor quality ("Methodological instructions for teaching arithmetic in the 5th grade." N.IA Zaitseva, A.I. Tykus, A.N. Erastova. Reviewed by F.T. Dziuba). Mat. v shkole no.6:69-74 N-D '54. (MLBA 7:11)

(Arithmetic--Study and teaching) (Zaitseva, N.IA) (Tykus, A.I.) (Erastova, A.N.)

DZYUBA, F.T.

DZYUBA, F.T. (Krasnodar)

Serious shortcomings in high school programs. Mat.v shkole no.5:
31-34 8-0 '55. (MLRA 8:11)

(Approximate computation--Study and teaching)

DZYUBA, F.T. (Krasnodar)

Studying the slide rule at school. Mat.v shkole no.2:18-22 Mr-Ap
'57. (MLRA 10:5)

(Slide rule--Study and teaching)

USSR.

✓ 3479. OPERATION OF LMZ-200 SECTIONAL BOILERS WITH STAGGERED CYCLONES.
Dzayda, O.D. and Ukhin, B.N. (Elektr. Sta. (Per Sta., Moscow), Oct. 1954,
vol. 25, #11). Reconstruction of the separating equipment of sectional
boilers and the installation of staggered sections for the second stage of
evaporation resulted in an improvement in the quality of steam emitted by the
boilers, raising their evaporating value to 10-15% above the rated. Under
thermal station conditions the evaporating value of the boiler plant was able
to be increased by 60 t/h. Since the alterations the boilers have been
operating efficiently for over a year at loads of 120-200 t/h. B.E.A.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2"

Card 2/2

DZYUBA, I.D. (g.Temir-Tau)

Organization of work training at the Temir-Tau Medical School.
Fel'd. 1 akush. 26 no.6:54-56 Je '61. (MIRA 14:7)
(TEMIR-TAU--MEDICINE--STUDY AND TEACHING)

DZYUBA, I. P.

"Investigation of the Errors in the Divisions of the Vertical Circle of the Main Astronomical Observatory of the Academy of Sciences Ukrainian SSR." Cand Phys-Math Sci, Leningrad, 1955. [No inst affiliation given] (KL, No 11, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

DZYUBA, I.P.

Investigating errors in gratings of the vertical circle at the
Main Astronomical Observatory of the Academy of Sciences of the
Ukrainian S.S.R. Izv.Glav.astron.obser.AN URSR 2 no.2:87-114
'58. (MIRA 12:2)

(Vertical circle)

DZYUBA, I. P.

Astronomy

Vertical Circle at Ukrainian Observatory To Be Checked

The vertical circle of the Main Astronomical Observatory of the Academy of Sciences Ukrainian SSR will be used in the coming years for an absolute determination of the declinations of fundamental stars of catalogues FK3 and FKS3 (detailed report on the instrument in article by G. Struve, Publications of the Berlin-Babelsberg University Observatory, Vol 3, No 1, Berlin, 1919). This will necessitate a detailed investigation of the graduation errors of the graduated circle, since such an investigation has never been made.

This article discusses the choice of the most rational method for this investigation, which will involve a considerable work. A comparison of the corrections of the diameters expressed in degrees, obtained according to the complete and the abridged Bruns methods, convincingly shows that the abridged program will be sufficiently accurate and yet will reduced the number of measurements and the amount of final data processing considerably. ("Investigation of the Graduation Errors of the Vertical Circle of the Main Astronomical Observatory of the Academy of Sciences Ukrainian SSR," by I. D. Dzyuba; Kiev; Izvestiya Glavnoy Astronmicheskoy Observatorii, Vol 2, No 2, 1958, pp 87-114)

SO: US Dept Commerce, PB 131632-84, 18 Sep 59, UNCLASSIFIED
INFO ON SOVIET BLOC INTL GEOPHYSICAL COOPERATION - 1959

DZYUBA, K.I., insh.

Solution of plane problems of the elasticity theory in case of the presence of voluminous forces. Trudy Gidroproekta 2:132-136 '59.
(MIRA 13:7)

1. Nauchno-issledovatel'skiy sektor Vsesoyuznogo proyektno-
isyskatel'skogo i nauchno-issledovatel'skogo instituta
"Gidroproyekt" im. S.Ya.Zhuk.
(Elasticity) (Hydraulic structures)

DAVIDSON, Veniamin Yevgen'yevich; DZYUBA, L.M., red.; KHOKHANOVSKAYA,
T.I., tekhn.red.

[Collected problems in gas dynamics] Sbornik zadach po gasovoi
dinamike. Kiev, Izd-vo Kievskogo univ., 1959. 186 p.
(Fluid dynamics--Handbooks, manuals, etc.)

GURNOV, Vasilii Kus'mich; DZYUBA, L.N., red.; KHOKHANOVSKAYA, T.I., tekhn.
red.

[Integral calculus; textbook for correspondence courses] Integral'
noe ischislenie; uchebnoe posobie dlia studentov-zaochnikov, Kiev,
Izd-vo Kievskogo univ. 1961. 326 p. (MIRA 14:8)
(Calculus, Integral)

38211

S/133/62/000/006/005/015
A054/A127

11200

AUTHORS: Volkovitskiy, G. I., Docent, Candidate of Technical Sciences,
Pishchikov, G. P., Engineer, Yuferov, V. M., Docent, Candidate of
Technical Sciences, Dzyuba, M. I., Say, N. F., Engineers

TITLE: Special features of producing large-diameter X18H12M2T
(Kh18N12M2T) steel tubes

PERIODICAL: Stal', no. 6, 1962, 532 - 535

TEXT: Kh18N12M2T steel tubes cannot be made with diameters larger than
219 mm owing to the high deformation resistance and low ductility of the steel
and because no tube blanks with larger diameter are available in this grade.
Therefore, a technology to produce large-diameter Kh18N12M2T steel tubes from
hollow tube blanks produced by centrifugal casting was established. The steel
for centrifugal castings was smelted in a medium-size basic arc furnace with
partial oxidation. To ensure the required mechanical properties, and reduce the
segregation of the alpha-phase and the amount of non-metallic inclusions, the ad-
ditions of Cr, Ni and Ti were within narrower limits than permitted by the stan-
dard, (Cr 16.0 - 16.8; Ni 12.0 - 14.0; Ti 0.30 - 0.55). The billets were

X

Card 1/3

Special features of...

S/133/62/000/006/005/015
A054/A127

produced in two sizes: 285 x 65 x 3,200 and 320 x 65 x 3,200 mm (after machining: 260 x 35 x 3,200 and 300 x 35 x 2,900 mm). The mechanical tests showed a strength of 45 - 50 kg/mm² and a relative elongation of 45 - 60%. After heating to 1,000 - 1,050°C and a holding time of 1 hour 15 min - 1 hour 25 min and subsequent air-cooling, the strength limit and yield point had not changed, relative elongation increased slightly, relative contraction considerably. The tests on rolling tubes from the centrifugal castings were carried out on a "350" automatic mill. Two versions were applied. Three tube blanks, 245 x 45 x 2,900 mm in size, were rolled on two piercing stands, while in the other version 265 x 35 x 2,900 mm billets were rolled only on one piercing stand prior to the automatic stand, (with mandrels, 236 mm in diameter in the first pass and 238 mm in the second). Better results were obtained with the second version: no cracks formed on the tube end, the surface was also improved and power consumption was lower. Therefore, in the industrial-scale tests only the second version (using one piercing stand) was applied. In these tests 273-mm diameter tubes were produced from 260 x 35 x 2,900 mm billets and 325-mm diameter tubes from 300 x 35 x 2,900 mm billets (with a machining allowance of + 3 mm). About 25% of the 273 x 15 mm tubes had to be rejected owing to scaling. Macrostructural tests

Card 2/3

Special features of...

S/133/62/000/006/005/015
A054/A127

showed that in the metal of the tube blanks rolled the alpha-phase content attained index values of 3.5 - 4.0, due to the unfavourable chrome-to-nickel ratio. Investigations into the macrostructure of the tube blanks revealed changes taking place in it upon piercing, on account of the stresses then arising. The total value of reduction of the tube wall on the piercing stand, when 265 x 35 mm billets are processed into 273 x 20 mm tube blanks, should amount to 44.1%. After such a deformation it can be expected that the development of defects is checked. The tests were carried out with the participation of V. A. Surzhikov, A. D. Kovalova, A. V. Tkachenko, N. S. Kirvalidze, D. V. Gladkikh, and A. T. Esaulov, Engineers, (Yuzhnotrubnyy zavod-Yuzhnotrubnyy Plant). There are 6 figures.

4

Card 3/3

VOLKOVITSKIY, G.I.; YUFEROV, V.M.; DZYUBA, M.I.; PISHCHIKOV, G.P.;
SAY, N.F.

Centrifugal casting of EI448 steel billets for large diameter
pipes. Lit. proizv. no.6:14-15 Je '63. (MIRA 16:7)

(Centrifugal casting)

SHIFRIN, H. Yu., kand. tekhn. nauk; VOLKOVITSKIY, G. I., kand. tekhn. nauk;
KOLESIK, B. P., kand. tekhn. nauk; KOVALENKO, Yu. Ye., kand. tekhn.
nauk; DZYUBA, M. I., inzh.; POLYAKOVA, P. K., inzh.

Manufacturing hollow railroad axles from centrifugally cast
billets. Proizv. trub no. 12:133-140 '64.

(MIRA 17:11)

.../EPP(c)/EWA(d)/EWP(t)/EWP(z)/EWP(s) M.W./IT/AB

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2"

DETROIT, MICH.
GUTMAN, Ye. I., redaktor; DZYUBA, M.L., redaktor; POLYANOVSKIY, V.N.,
redaktor; YUROVITSKIY, Ye. N., redaktor; ABROSIMOV, M.A., redaktor;
GERASIMOV, P.K., redaktor; D'YAKOV, M.I., redaktor; SAVEL'YEV, B.V.,
redaktor; TSITSIN, N.V., redaktor; YAKUSHKIN, I.V., redaktor

[Collective farmer's calendar for 1948] Kalendar' kolkhoznika na
1948 god. [n.p.] Gos. izd-vo sel'khoz. lit-ry [n.d.]

78 p.

(MLRA 10:4)

(Collective farms)

DEMSEZER, A.A., redaktor; DZYUBA, M.L., redaktor; YUROVITSKIY, Ye.I.,
redaktor; GHERASIMOV, P.K., redaktor; KARAVAYEV, A.A., redaktor;
PEROV, S.V., redaktor; SAVEL'YEV, B.V., redaktor; YAKUSHKIN, I.V.,
redaktor; PERESYPKINA, Z.D., tekhnicheskii redaktor

[Collective farm worker's calendar for 1955] Kalendar' kolkhovnika
na 1955 god. Moskva, Gos. izd-vo selkhoz. lit-ry, [1954] 174 p.
[Microfilm] (MLBA 9:8)
(Agriculture--Yearbooks)

DEMBZHER, A.A.; DZYURA, M.I.; YUROVITSKIY, Ye.I.; GERASIMOV, P.K., redaktor;
KARAVAYEV, A.A., redaktor; PEROV, S.V., redaktor; SAVEL'YEV, B.V.,
redaktor; YAKUSHKIN, I.V., redaktor; VESKOVA, Ye.I., tekhnicheskii
redaktor

[Collective farmer's almanac for 1957] Kalendar' kolkhoznika na
1957 god. Moskva, Gos. izd-vo selkhoz. lit-ry [1956] 175 p.
(Almanacs) (Agriculture) (MIRA 9:12)

10-708777 X
DEMEZER, A.A.; ~~DZYUBA~~ M.I.; BLINOV, L.F.. kandidat sel'skokhozyaystvennykh nauk; BOLDYREV, N.I., kandidat pedagogicheskikh nauk; GAY-GULINA, Z.S., GRUDEV, D.I., kandidat sel'skokhozyaystvennykh nauk; DUBROV, Ya.G., professor; KOVALENKO, V.D., ;KRYSSINA, O.I.; KURKO, V.I.; LEVI M.F., kandidat sel'skokhozyaystvennykh nauk; MORDKOVICH, M.S.; POPOV, I.P. kandidat biologicheskikh nauk; SAGALOVICH, Ye.N., agronom; SILIN, V.N., sootekhnik; STRUYANSKIY, I.L., vrach; SUSHKOVA-LYAKHOVICH, M.L., kandidat meditsinskikh nauk; SHAPOVALOV, Ya.Ya., kandidat sel'skokhozyaystvennykh nau; SHENDERETSKIY, E.I., kandidat sel'skokhozyaystvennykh nauk; YAVNEL', A.Yu., kandidat meditsinskikh nauk; RODINA, P.I., redaktor; YUROVITSKIY, Ye.I., redaktor; PEVZNER, V.I., tekhnicheskij redaktor.

[Home economics] Domovodstvo. Moskva, Gos.izd-vo sel'khoz.lit-ry.
1956. 479 p. (MIRA 10:5)

(Home economics)

YEREMEYENVA, M.; DZYUBA, M.L., red.; GOR'KOVA, Z.D., tekhn, red.

[A great force] Bol'shais sila. Moskva, Gos.izd-vo sel'khoz. lit-ry,
1957. 47 p. (MIRA 11:3)
(Agriculture)

DZYUBA, M.L.

DEMEZER, A.A.; DZYUBA, M.L.; YUROVITSKIY, Ye.I.; GERASIMOV, P.K., red.;
KARAVAYEV, A.A., red.; PEROV, S.V., red.; SAVEL'YEV, B.V., red.;
YAKUSHKIN, I.V., red.; VESKOVA, Ye.I., tekhn.red.; PEVZNER, V.I.,
tekhn.red.

[Yearbook for the collective farm worker for 1958] Kalendar'
kolkhoznika na 1958 god. Moskva, Gos. izd-vo sel'khoz. lit-ry,
[1957] 175 p. (MIRA 11:6)
(Agriculture--Yearbooks)

MAL'CHENKO, V.M.; RUDNIK, A.V.; DZYUBA, M.L.; ROSSOSHANSKAYA, V.A.; AZAROVA,
O.A.; KRAVCHENKO, Z.I.; STRIZHEV, A.N.; SUPRUNENKO, I.M.; PEVZNER,
V.I., tekhn.red.

[Collective-farm calendar for 1960] Kalendar' kolkhoznika na 1960
god. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 175 p.
(MIRA 12:12)

(Calendars)

(Agriculture)

BURLAKOVA, Ye.B.; DZYUBA, N.M.; PAL'MINA, N.P.

Synthetic inhibitors and natural antioxidants. Report No.1. Effect of the inhibitors of free radical reactions on the antioxidative activity of rat liver lipids. Biofizika 10 no.5:766-769 '65.

(MIRA 18:10)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.

L 2674-66 EWT(m)

ACCESSION NR: AP5021291

UR/0020/65/163/005/1278/1281

AUTHOR: Burlakova, Ye. B.; Dzyuba, N. M.; Pal'mina, N. P.; Emanuel', N. M. (Corresponding member AN SSSR)

TITLE: Antioxidant activity of mouse liver lipids in radiation sickness and leukosis and the effect of free radical reaction inhibitors

SOURCE: AN SSSR. Doklady, v. 163, no. 5, 1965, 1278-1281

TOPIC TAGS: experiment animal, radiation sickness, radioprotective agent, liver, chemotherapy, oxidation inhibition, neoplasm

ABSTRACT: Based on the assumption that synthetic inhibitors might be effective in processes accompanied by changes in natural antioxidant activity, the antioxidant activity changes of liver lipids were studied after single or repeated administration of free radical reaction inhibitors to intact animals. Mice were injected intraperitoneally with the inhibitors dissolved in water or a 10% Tween-80 solution. The natural antioxidants were extracted from the lipid fraction of the animal livers and dissolved in methyloleate, which

Card 1/3

L 2674-66

ACCESSION NR: AP5021291

was then oxidized in an air current at 36 C in an oxidizing chamber. The kinetics of antioxidant activity changes of lipid extracts following single introduction of 4-methyl-2,6-di-tert-butylphenol is graphed. It was observed that a single administration increased the antioxidant activity while repeated administrations depressed this activity for some time depending on dose. It may be thus assumed that synthetic inhibitors resemble natural ones. Repeating this experiment with mice which had received a lethal radiation dose and whose antioxidant activity had declined to zero, it was found that with a 30 mg/kg dose of the above compound the activity level was maintained and 20-25% of the mice survived, while a 100 mg/kg dose had no such effect. Since cancer cells are known to differ from normal cells by the amount of antioxidants, tests were conducted in mice with leukosis who received the inhibitor 4-oxy-3,5-di-tert-butyl-alpha-methylbenzamine, which depressed and lengthened the initial activity of liver lipids. In animals irradiated prior to leukosis, the activity developed at a slower pace the higher the dose, resulting in increased survival times of up to 2 days. Similar results were obtained for animals whose antioxidant activity was depressed by administering large amounts of the inhibitor. It may thus be

Card 2/3

L 2674-66
ACCESSION NR: AP5021291

concluded that small inhibitor amounts which cannot decrease the antioxidant activity of liver lipids in the intact animal display a radioprotective effect and favor the development of transplanted cancer, while large amounts which can decrease this activity will aggravate radiation sickness but slow down leukosis development. Orig. art. has: 3 figures.

ASSOCIATION: None.

SUBMITTED: 02Apr65

ENCL: 00

SUB CODE: LS

NR REF SOV: 009

OTHER: 002

Card 3/3

L 04746-67 EWT(m)

ACC NR: AP6016942 (A)

SOURCE CODE: UR/0217/66/011/001/0054/0057

AUTHOR: Burlakova, Ye. B.; Dzyuba, N. M.

28

ORG: Institute of Chemical Physics AN SSSR, Moscow (Institut khimicheskoy fiziki AN SSSR)

B

TITLE: Synthetic inhibitors and natural antioxidants. Antioxidative activity of liver lipids of mice during irradiation and the radioprotective action of free radical reaction inhibitors

SOURCE: Biofizika, v. 11, no. 1, 1966, 54-57

TOPIC TAGS: mouse, radiation sickness, radiation biochemical effect, liver, oxidation inhibition, free radical, antiradiation drug

ABSTRACT: Antioxidative activity changes of liver lipids and radioprotective effects of synthetic and natural free radical action inhibitors were investigated in Balb line mice (18 to 22 g) irradiated with single 650 and 450 r doses (RUT-200-20-3 unit, 15 ma, Cu 0.5 mm filter, 40 to 50 r/min). Synthetic inhibitors (not described) were administered 15 to 30 min prior to irradiation. Extraction of liver lipids and determination of antioxidative activity were conducted according to methods described in earlier studies. Survival of animals

Card 1/3

L 04746-67

ACC NR: AP6016942

was based on a 30 day period. To determine whether liver lipids of intact animals contain certain properties common to synthetic inhibitors and to avoid the difficulties of in vivo experimentation, liver lipid extracts of intact mice were diluted with methyl oleate and gamma-irradiated (Co^{60} , 10 r) with and without oxygen. Findings indicate that with a 650 r dose antioxidative activity of liver lipids after 4 hrs is equal to zero, i.e., the extract does not retard methyl oleate oxidation. After 5 to 7 hrs the lipid extracts accelerated methyl oleate oxidation, i.e., the antioxidation values became negative. With a 450 r dose the decrease of antioxidative activity is considerably smaller. Survival of animals irradiated with a 650 r dose is increased by 20 to 25% with administration of the inhibitor 4-methyl-2,6-di-tert-butyl phenol in a 30 mg/kg dose. The same dose administered to control animals does not increase antioxidative activity. But, with the administration of a 100 mg/kg dose to animals irradiated with a 650 r dose, antioxidative activity is decreased and animals fail to survive. Thus, antioxidative activity of liver lipids decreases with the development of radiation sickness and the natural inhibitors are expended during their interaction with peroxide radicals RO_2 . Synthetic inhibitors of free radical processes administered in doses increasing the antioxidative activity of liver lipids produce a radioprotective effect. Change of antioxidative activity under the action of free radical inhibitors may explain to a

Card 2/3

L 04746-67

ACC NR: AP6016942

certain extent the extreme dependence of animal survival on inhibitor dose. Orig. art. has: 4 figures.

SUB CODE: 06/ SUBM DATE: 19Apr65/ ORIG REF: 005/ OTH REF: 003

Card 3/3 *gd*

USSR/Electricity

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

Authors : Beregovskiy, Ya. M.; Dzyuba, N. P.; Gornshteyn, I. L.; and Zal'tsman, M. M.

Title : Measuring the attenuation of feeder lines of a radio broadcasting and receiving system

Periodical : Vest. svyazi 10, 12-15, Oct 54

Abstract : The inadequacy of contemporary methods for measuring the attenuation of feeder lines of a radio rebroadcasting system is pointed out and new methods, which permit more accurate measurement of the above mentioned system, are given. Diagrams; graph.

Institution : ...

Submitted : ...

DZYUBA, N. P.

Shkodin, A. M.; Izmailov, N. A.; Dzyuba, N. P.

"Influence of Anhydrous Formic Acid on the Strength of Bases." (p. 1999)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1950, Vol. 20, No. 10.

USSR/Chemistry - Analysis

Sep/Oct 51

"Properties of acids and Bases in Acidic Solvents. III. Titration of Weak Bases in Nonaqueous Formic Acid," A. M. Shkodin, N. A. Izmaylov, N. I. Dzyuba, Khar'kov State U Ineni A. M. Gor'kiy

"Zhur Analit Khim" Vol VI, No 5, pp 273-275

Examn of effect of nonaq formic acid on strength of strong and weak bases showed that strength of weak bases in the acid increases so much that they can be titrated as strong bases with sufficient accuracy for analysis. Calcd dissoen constn of number of bases (including diethylamine, morphine, pyridine, aniline).

18978

SHKODIN, A.M.; IZMAILOV, N.A.; DZYUBA, N.P.

Properties of acids and bases in acid solvents. V. Potentiometric study of the effect of anhydrous formic acid on the strength of acids. Zhur. Obshchey Khim, 23, 27-32 '53. (MLRA 6:3)
(CA 47 no.14:6742 '53)

I.A.M. Gor'kiy State Univ., Kharkov.

DZYUBA, N.P.

SHKODIN, A.M.; IZMAYLOV, N.A.; DZYUBA, N.P.

Properties of acids and bases in acidic solvents; Part 7.
Study of the strength of mineral acids in mono- and trichloroacetic acids. Ukr.khim.zhur. 20 no.6:595-601 '54.

(MLRA 8:3)

1. Khar'kovskiy gosudarstvennyy universitet, kafedra fizicheskoy khimii.

(Acids, Inorganic) (Acetic acid)

Dz yu ba, N. P.

Category: USSR/Analytical Chemistry - General Questions.

G-1

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30922

Author : Shkodin A. M., Izmaylov N. A., Dzyuba N. P.

Inst : Khar'kov University

Title : Properties of Acids and Bases in Acidic Solvents. IX. Acid-Base Titration in Mixtures of Formic Acid and Benzene.

Orig Pub: Uch. zap. Khar'kovsk. un-t, 1956, 71, 261-262

Abstract: Study of the effect of addition of C_6H_6 to $HCOOH$ on strength of mineral acids, by the method of potentiometric titration; the experiments were carried out with a mixture of 10% $HCOOH$ and 90% C_6H_6 ; quinhydrone electrode used as indicator electrode and a saturated calomel electrode as the comparison electrode. $HClO_4$, toluene sulfonic acid (I) and H_2SO_4 were titrated at 70° with a solution of pyridine in C_6H_6 . In a mixture of $HCOOH$ and C_6H_6 the change of potential from acid to alkaline region is greater than in a medium of $HCOOH$ (190 and 74 mv, respectively, in the case of I). Amelioration of the conditions

Card : 1/2

-6-

Category: USSR/Analytical Chemistry - General Questions.

G-1

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30922

of titration is due to decrease of ion product of the medium as a
result of decrease of molar fraction of HCOOH (pK , HCOOH - 6).
Communication VIII see RZhKhim, 1957, 23332.

Card : 2/2

-7-

DZ 163A, sv. 0
DZYUBA, N.P.; SHRAYBER, M.S.

Quantitative determination of atropine-type alkaloids through
titration in nonaqueous solutions. Apt.delo 6 no.6:17-22 N-D '57.
(MIRA 10:12)

1. Iz farmako-analiticheskoy laboratorii (zav. S.M.Bolotnikov)
Kar'kovskogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo
instituta.

(ALKALOIDS--ANALYSIS)

DZYUBA, N.P.; SATANOVSKAYA, TS.I.; IZMAYLOV, N.A.

Quantitative determination of sulfanilamide preparations by
titration in nonaqueous media. Apt.delo 8 no.2:73-76 Mr-Ap
'59. (MIRA 12:5)

(SULFONAMIDES)

(TITRATION)

DZYUBA, N.P.; SHRAYBER, M.S.

Quantitative determination of reserpine by titration in non-aqueous solvents. Apt.delo 9 no.2:19-22 Mr-Ap '60.

(MIRA 13:6)

1. Iz farmako-analiticheskoy laboratorii (sav. - S.M. Bolotnikov) Khar'kovskogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta (dir. - dotsent M.A. Angarskaya).

(RESERPINE)

IZMAYLOV, N.A.; DZYUBA, N.P.

Use of nonaqueous solvents for the analysis of pharmaceutical preparations. Med.prom 14 no.6:7-12 Je '60.

(MIRA 13:6)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

DMITRIYEVA, V.N., DZYUBA, N.P.

Determination of polymerization accelerators by titration
in nonaqueous medium. Zav.lab. 26 no.7:813-814 '60.

(MIRA 13:7)

1. Khar'kovskiy zavod subvrachebnykh materialov i Khar'-
kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut.

(Polymerization)

IZMAYLOV, N.A. [deceases]; DZYUBA, N.P.; GEORGIYEVSKIY, V.P.

Analysis of combined preparations by the method of titration in nonaqueous solvents. Report No. 1: Analysis of mixtures of weak acids with weak bases. Med.prom. 16 no.4:17-19 Ap '62.

(MIRA 15:8)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institute.

(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

TROPP, M.Ya.; DZYUBA, N.P.

Evaluation of standards for ergometrine maleate and dihydro-
ergocristine ethanesulfonate by titration in nonaqueous solvents.
Med.prom. 16 no.4:27-30 Ap '62. (MIRA 15:8)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevti-
cheskiy instiut.

(ERGOCRISTINE) (ERCONOVINE)

GEORGIYEVSKIY, V.P. [Georhiievs'kyi, V.P.]; DZYUBA, N.P.

Quantitative determination of analgin by titration in anhydrous solvents. Farmatsev.zhur. 17 no.4:17-20 '62. (MIRA 16:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsev-ticheskiy institut.

(DIPYRONE) (TITRATION)

GEORGIYEVSKIY, V.P. [Georhiievs'kiy, V.P.]; DZYUBA, N.P.; IZMAYLOV, N.A.
[Izmailov, N.A.] [deceased]

Quantitative determination of combined medicinal preparations
by titration in anhydrous solvents. Farmatsev. zhur. 18
no.4:27-31 '63. (MIRA 17:7)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut.

KAZARINOV, N.A. [Kazarinov, M.O.]; DZYUBA, N.P.

New method for quantitative determination of khellin in
anhydrous solvents. Farmatsev. zhur. 18 no.4:39-43 '63.

(MIRA 17:7)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut.

ORLOV, Yu.Ye. [Orlov, IU.IE.]; DZYUBA, N.P.; SHOSTENKO, Yu.V.

Quantitative determination of khellin in combined medicinal preparations with the use of the polarographic method.
Farmatsev. zhur. 18 no.5:36-39 '63. (MIRA 17:8)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

SIMON, I.S.: ~~DZIFIBA, M.S.~~ SHOSTENKO, Yu.V.

Determination of atropine microquantities by titration in anhydrous solvents. Apt. delo 13 no.5:68-70 S-O '64.

(MIRA 18:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

VOROB'YEV, N.Ye.; DZYUBA, N.P.

Polarographic method for the quantitative determination of cardiac glycosides. Farmatsev.zhur. 19 no.1:18-22 '64.

(MIRA 18:5)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

DZYUBA, N.P.; IZMAYLOV, N.A. [deceased]

Potentiometric acid-base titration in dimethylformamide. Ukr.
khim. zhur. 31 no.4:403-408 '65. (MIRA 18:5)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut.

L 1795-66

ACCESSION NR: AP5017529

UR/0243/65/000/007/0057/0060

#15. 711. 5-014. 3:543. 24

AUTHOR: Kazarinov, N. A.; Dzyuba, N. P.

TITLE: Determination of pharmaceutical preparations containing a carbonyl group by titration with nonaqueous solvents. Report 3. Analysis of cardiac glycosides

AOURCE: Meditsinskaya promyshlennost' SSSR, no. 7, 1965, 57-60

TOPIC TAGS: circulatory drug, quantitative analysis, chemical identification, analytic chemistry

ABSTRACT: Earlier controls of these preparations were conducted with inconvenient biological methods. A quantitative chemical method described in earlier publications was applied to glycosides containing an aldehyde group at C₁₀, in particular to cymarin, erysimin, semisynthetic and natural convallatoxin and Corelborin II (Helleborus glycoside). It consists in reacting the carbonyl group with hydroxylamine HCl, forming the corresponding oxime and binding the liberated HCl with diethylamine whose excess is titrated off with perchloric acid in me-

Card 1/2

L 1795-66

ACCESSION NR: AP5017529

4

thanol in the presence of the thymol blue indicator. Chromatographic tests showed that the results agreed with data from biological analysis, but the results obtained by chemical analysis were more reproducible and more exact. The chemical analysis method is therefore recommended for both laboratory work and analysis of standards. The semisynthetic convallatoxin was prepared by V. T. Chernobay. Orig. art. has: 7 formulas and 1 table

ASSOCIATION: Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut (Kharkov Chemical-Pharmaceutical Scientific Research Institute)

SUBMITTED: 25Apr64

ENCL: 00

SUB CODE: LS, GC

NR REF SOV: 013

OTHER: 004

mlb
Card 2/2

ORLOV, Yu.Ye.; DZYUBA, N.P.

Determination of khellin by the use of polarography. Spt. delo
14 no.5:52-54 S-O '65. (RUS 19-11)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsi-
icheskiy institut.

KAZARINOV, N.A. [Kazarynov, M.O.]; DZYUBA, N.P.

Relation of the rate of the formation of oximes of cardiac glycosides to their structure. Farmatsev. zhur. 20 no.5:28-31 '65. (MIRA 18:11)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Submitted January 26, 1965.

GEORGIYEVSKIY, V.P. [Heorhiievs'kiy, V.P.]; DZYUBA, N.P.

Quantitative determination of ajmaline by the method of
acid-base titration in nonaqueous solvents. Farmatsev.zhur.
20 no.6:19-21 '65. (MIRA 19:1)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevti-
cheskiy institut. Submitted March 17, 1965.

^{47.}
DZYUBA, Nikolay Yevtkhiyevich [Dziuba, M.IE.], agronom; BUGAY, S.M.
[Bukhai, S.M.], doktor sel'skokhoz.nauk, otv.red.; SHVETS',
S.I., red.

[Seed production on collective and state farms] Nasinnytstvo
u kolhospakh i radhospakh. Kyiv, 1960. 39 p. (Tovarystvo dlia
poshyrennia politychnykh i naukovykh znan' Ukraine'koi RSR. Ser.6,
no.15). (MIRA 13:10)

(Seed production)

DZYUBA, V.B., inzh.; KNYAZEV, O.G., inzh.

Studying the performance of a suspension bridge by means
of a model. Stroi.konstr. no.1:171-178 '65.

(MIRA 19:1)

1. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy
Gostroya SSSR, Kiyev.

KUZ'MIN, V.M., kand.tekhn.nauk; DZYUBA, V.I., inzh.-mekhanik

How to adjust SON-2,8 and SOSSH-2,8 planters for the wide-row
planting of vegetables, Mekh. sil'. hosp. 12 no. 3:28 Mr '61.
(MIRA 14:4)

(Planters (Agricultural machinery))

DZYUBA, V.I., starshiy nauchnyy sotrudnik

Machine for placing biological fuel into hotbeds. Mekh.
sil'.hoap. 10 no.12:23-24 D '59. (MIRA 13:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevod-
stva i kartoflya.
(Agricultural machinery)

DZYUBA, V.I., inzh.-mekhanik

Using vibrating working parts. Mekh. sil'. hosp. 11 no.12:24-25
D '60. (MIRA 13:12)
(Agricultural machinery)

DZYUBA, V.I.; GALAGAN, V.S. [Halahan, V.S.]; LASTOVENKO, V.A.

Technological charts for growing vegetables. Mekh. sil'. hosp. 12
no. 4:25-27 Ap '61. (MIRA 14:4)

1. Ukrains'ky naukovo-doslidnyy institut ovochivnitstva i
kartopli.

(Vegetable gardening)

DZYUBA, V.I., inzh.

Effect of vibration on the coefficient of the internal friction
of soil. Mekh. i elek. sots. sel'khoz. 21 no.5:50-51 '63.

(MIRA 17:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva
i kartofelva.

DZYUBA, V.I., kand.tekhn.nauk

Sorting machine with a belted working surface for separating
carrots in two fractions. Mashinostroenie no.6:98-99 N-D '65.
(MIRA 18:12)

DZYUBA, V.K.

Position of the upper planetary frontal zone over eastern
Asia during the synoptic winter periods. Trudy Dal'nevost.
NIGMI no.10:113-116 '60. (MIRA 13:8)
(Asia—Meteorology)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411920020-2"

LAVRUSHIN, V.F.; DZYUBA, V.P.

Synthesis of some α, β -unsaturated aromatic ketones and their vinyl analogs. Zhur. ob. khim. 33 no.8:2581-2585 Ag '63.
(MIRA 16:11)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo.

LAVRUSHIN, V.F.; DAYEBA, V.P.; TOHACHEV, V.I.

Absorption spectra of some α,β -unsaturated cyclic ketones and products of their reaction with iron chloride. Part 1. Zhur. ob. khim. 35 no. 1:95-103 Ja '65

(MIRA 18-2)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gorkogo.

IVANOV, N.I., kand. tekhn. nauk; KAGANSKIY, M.Ye., inzh.; DZYUBA, Yu.S., inzh.

Effect of concentrating production on the operating indices of
mines. Sbor. DonUGI no.29:67-80 '63. (MIRA 16:10)

(Coal mines and mining--Management)

IVANOV, N I., kand. tekhn. nauk; DEKRETY, YU.S.S.R., 1964.

Reorganization of Soviet laser mines and ways of increasing their efficiency. Ober. Pribori no.33:10-35 '64.

(KGBA 17:11)

IVANOV, N.I.; DZYUBA, Yu.S.; NORENKO, N.A.; YEVDOKIMOV, F.I.; ARABADZHEV,
A.M.; MEL'NIKOV, V.I.

Efficiency of overall mechanization in Donets Basin mines.

Biul.tekh.ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.

inform. 17: ~~19:18:16~~ '64.

(MIRA 18:4)

WIND, M., and. Term. name: WIND, M., name: WIND, M.

Annual efficiency of the overall production and transportation of
lowers Basin mines and steps of inequality in. Soc. Dem. no. 38:
30-65 '64. (MIRA 17-11)

DUBOVYY, Ye.D.; SHTEKELIS, R.I.; DZYUBA, Yu.Ya.

Experience in the treatment of angina pectoris with radioactive iodine;
immediate and late results. Med. rad. 9 no.3:32-37 Mr '64.

(MIRA 17:12)

1. Kafedra rentgenologii i radiologii (zav. - prof. Ye.D.Dubovyy) i
kafedra fakul'tetskoy i gospital'noy terapii pediatricheskogo fakul'-
teta (zav. - prof. A.A.Oks) Odesskogo meditsinskogo instituta imeni
N.I.Pirogova.

DEYUBAK, S.T.

Scientific conference on the problem "Antibiotics in experiment
and clinic." Mikrobiol. zhur. 27 no.1:87-88 '65. (MIRA 18:7)

DZYUBAK, V.V., inzh.

Redesigning of the entrances of TV2030-2 turbogenerators. Elek.
sta. 35 no.11:72 N '64. (MIRA 18:1)

DZYUBALTOVSKAYA, M. L.

PA 15/49T60

USSR/Engineering
Hydraulic Equipment
Hydroelectric Plants

Jul 48

"Rapid Current at the Parkhad Hydroelectric Station
and the Terminal Water Conduits," M. L. Dzyubaltov-
skaya, Engr, 2 pp

"Gidrotekh Stroi" No 7

Describes how hydraulic problems of new power station
were investigated on 1:35 scale model.

15/49T60

DZYUBAN, A.D.

Blood picture and weight of the internal organs of pond cyprinoids
and their hybrids. Vop. ekol. 5:52-53 '62. (MIRA 16:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.
(Carp) (Fishes--Physiology)

MALYAREVSKAYA, A.Ya.; DZYUBAN, A.D.

Biochemical indices, blood picture, and indices of internal organs
in young-of-the-year ~~carp~~ during the period of preparation for
wintering. Vop. skol. 5:125-126 '62. (MIRA 16:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.
(Carp) (Fishes--Physiology)

DZYUBAN, M.N.

Occurrence of *Cyclops vicinus* var. *kikuchii* Smir. in Kuybyshev Reservoir. Zool. zhur. 44 no.2:288-291 '65.

(MIRA 18:5)

1. Kuybyshevskaya stantsiya Instituta biologii vnutrennikh vod AN SSSR.

USGR / General Biology - General Hydrobiology.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38102.

Author : ~~Lzyuban, N. A.~~

Inst : Not given.

Title : Some Properties of Autumn-Winter Plankton and Hydro-chemical Character of Tsimlyansk Reservoir in the First Year of its Existence.

Orig Pub: Tr. probl. i temat. soveshchaniy. Zool. in-t, AN SSSR, 1957, No 7, 165-169.

Abstract: Plankton dissimilarity was established for the three main stretches of water of the Tsimlyansk Reservoir. The plankton dynamics were studied in detail, the main feature of which at the time of study (November 1952, January and March 1953) was to increase the quantity of plankton while its quality decreased. A direct correlation was

Card 1/2

34

USSR / General Biology - General Hydrobiology.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38102.

Abstract: noted between O_2 quantity in water and the intensity of phytoplankton development. A comparison is made of the Plankton in Tsimlyansk Reservoir with plankton of other reservoirs during the first year of their existence.

Card 2/2

DZYUBAN, N.A.

Zooplankton in reservoirs of the Volga-Don Canal (according to the data of 1954, the canal's third year of existence). Trudy Biol. sta. "Borok" no.3:226-235 '58. (MIRA 11:9)
(Volga-Don canal--Zooplankton)

DZYUBAN, V.P.; DZYUBAN, N.A.

Some features of the hydrological and hydrochemical regimen of
TSimlyansk Reservoir in the year 1954 marked by a low water level.
Trudy Inst. biol. vodokhran. no.1:49-68 '59.

Косовский
(TSimlyansk Reservoir--Hydrology) (MIRA 13:2)

1954 год в Тимлянском р-не

DZYUBAN, N.A., red.

[Materials of the First Scientific and Technical Conference on the Study of Kuybyshev Reservoir, held in Stavropol-on-Volga, 1962] Materialy Nauchno-tekhnicheskogo soveshchaniia po izuchenii Kuybyshevskogo vodokhranilishcha. Kuityshev, Komsomol'skaia gidrometeorologicheskaiia observatoriia. No.3. [Hydrogeology, ichthyology, and hydrochemistry] Gidrobiologiia, ikhtiologiia i gidrokhimiia. 1963. 135 p. (MIRA 17:7)

1. Nauchno-tekhnicheskoye soveshchaniye po izucheniiu Kuybyshevskogo vodokhranilishcha. Ist, Stavropol' on-Volga, 1962.

DZYUBAN, Y.P.; DZYUBAN, N.A.

Some features of the hydrological and hydrochemical regimen of
TSimlyansk Reservoir in the year 1954 marked by a low water level.
Trudy Inst. biol. vodokhran. no.1:49-68 '59.

(MIRA 13:2)

(TSimlyansk Reservoir--Hydrology)

DZYUBAI-POLYAKOVA, I.

Numerical strength of bacterial plankton in the Neva Bay. Izv. AN
Latv. SSR no. 6:85-90 '63. (MIRA 17:4)