

L. 00340-07 EWT(17/EWT(m)/EWT(j) LJP(C) RM/GW

ACC NR: AT6026959

SOURCE CODE: UR/3175/66/000/028/0144/0154

AUTHOR: Kott, Yu. P.; Lapkin, Yu. P.; Nikiforov, A. G.

E1
80
BT1

ORG: Institute of Acoustics (Akusticheskiy institut)

TITLE: Digital deep-sea thermometer 10

SOURCE: USSR. Gosudarstvennyy geologicheskii komitet. Osoboye konstruktorskoye byuro. Geofizicheskaya apparatura, no. 28, 1966, 144-154

TOPIC TAGS: oceanographic equipment, oceanographic instrument, data recording, recording equipment, parametric converter, digital analog converter, binary code, pulse coding, computer coding, telemetry, telemetry equipment, telemetry system, telemetry technique

ABSTRACT: The authors enumerate some of the shortcomings of various underwater data encoding and transmission systems and describe a fully transistorized experimental deep-sea instrument package (see Fig. 1) for recording temperature and pressure (depth) to 2000 m. The following are the unit's characteristics: 1) depth-measurement range, 0—2023 m; 2) depth transducer measurement error 0.8%; 3) temperature-measurement range, -0.594 to +28.97C; 4) temperature-transducer time constant, 3 sec; 5) container weight, ~100 kg; 6) length of cable on winch drum, 3.5 km; 7) measurement time for one parameter, 3 sec; 8) scale resolution, temperature, 0.0289C; 9) scale resolution, depth, 1.99 m. Measurement results are put into a ten-bit

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L 06540-67

ACC NR: AT6026959

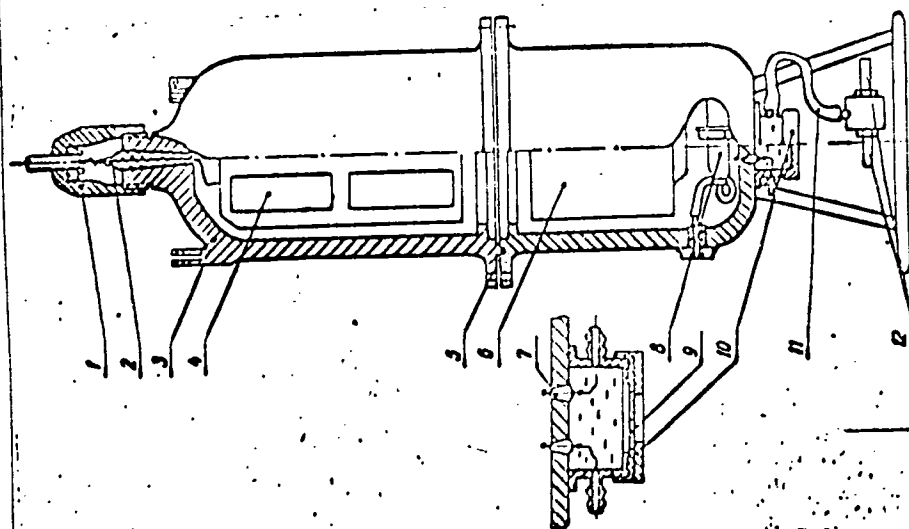


Fig. 1. Deep-sea instrument package

- 1 - Cable coupling;
- 2 & 7 - electrical leads;
- 3 - casing;
- 4 - storage battery;
- 5 - rubber sealing gasket;
- 6 - digital measuring system;
- 8 - pressure transducer;
- 9 - rubber diaphragm;
- 10 - oil cavity;
- 11 - oil-filled polyethylene tubes;
- 12 - resistance thermometer.

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binary code and transmitted by a single-core cable to the deck. These results are then converted into an octal code and recorded on control and punched tapes using an STA-2M program punch for a Minsk-1 computer, and on graph paper by an EPP-09 3-point recording potentiometer. Block diagrams of the measuring system and shipboard recording unit are presented, and detailed descriptions of their operation are given. The container measuring system is said to occupy a space 150-mm in diameter and 210 mm in height. Calibration of the instrument package is performed in calm weather using two types of reversing thermometers at appropriate depths. One stated shortcoming of the package is the disparity in precision between the telemetering system and the potentiometric depth transducer. This disadvantage is to be overcome by using a tensometric pressure transducer. Orig. art. has: 3 figures, 1 table, and 3 graphs. [LB]

SUB CODE: 08, 09/ SUBM DATE: none/ ORIG REF: 020/ OTH REF: 007

Card 3/3 *egh*

NIKIFOROV, A.I., assistant

Experimental determination of the elastic modulus of some brands
of structural cast irons. Izv.vys.ucheb.zav.; mashinostr. no.6:112-
123 '62. (MIRA 15:11)

1. Odesskiy institut inzhenerov morskogo flota.
(Cast iron—Testing)

NIKIFOROV, A.I.

Determining the elastic properties and hardness of gray, pearlitic cast iron at normal and high temperatures. Sudorem. i sudostr. no.2:37-44 '63. (MIRA 17:4)

1. Odesskiy institut inzhenerov morskogo flota.

NIKIFOROV, A.M., predsedatel' zavkoma.

[For the honor of the factory trademark; experience in socialist competition] Za chest' zavodskoi marki; iz opyta sotsialisticheskogo sorevnovaniia. [Moskva] Profizdat, 1952. 59 p. (MLRA 6:7)

1. Ural'skiy Avtozavod imeni Stalina. (Automobile industry)

KORABLEV, Mikhail Dmitriyevich; LEBEDEVA, Yuliya Aleksandrovna; SHESTERIKOVA, Lyudmila Pavlovna. Prinimeli uchastiye: MIROSHNIKOV, I.P.; red.; SEROV, M.F.; NIKIFOROV, A.M., KANEVSKAYA, M.D., red.; ANDRIANOV, B.I., tekhn.rab.

[Local anti-aircraft defense in rural districts] MPVO v sel'skoi mestnosti. Pod red. I.P.Miroshnikova. Moskva, Izd-vo DOSAAF, 1959. 198 p. (MIRA 12:12)

1. Glavnyy agronom Glavnoy gosinspektsii po karantinu i zashchite rasteniy Ministerstva sel'skogo khozyaystva SSSR (for Nikiforov). (Air defenses)

NIKIFOROV, A.

Agricultural Pests

Using aerosols to control harmful insects. Kolkh. proizv. 10, no. 9, 1952.

Monthly List of Russian Accessions. Library of Congress. December 1952. UNCLASSIFIED.

AUTHOR:

~~Nikiforov, A. F.~~

SOV/119-58-8-7/16

TITLE:

How to Determine the Economic Efficiency of Automation:
(Kak opredelyat' ekonomicheskuyu effektivnost' avtomatizatsii)

PERIODICAL:

Priborostroyeniye, 1958, Nr 8, pp. 19 - 22 (USSR)

ABSTRACT:

The author criticizes a paper by A. A. Zvorykin and D. N. Kirzhner, Priborostroyeniye, Nr 11, 1957 and describes a method by means of which he believes it possible to calculate the economic efficacy of automatization. This efficacy can be represented by the following formula:

$$\xi = \frac{\text{effect}}{\text{expenditure}}$$

Here ξ denotes economic efficacy, effect - the production of a certain state or effect, its quality and quantity, and expenditure - the total amount spent for the work necessary to bring about the said effect.

The following terms are dealt with in greater detail:

- 1) Productivity of work
- 2) Prime production costs
- 3) Capital expenditure during the period of production and

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How to Determine the Economic Efficiency of Automation

SOV/119-58-8-7/16

amortization of capital investments.

4) Total expenditure for work.

There are 4 references, which are Soviet.

1. Industrial production--Automation 2. Industrial production
--Economic aspects

Card 2/2

NIKIFOROV, A. F. Cand Tech Sci -- (diss) "Electrolysis of acid solutions of zinc salts." Dnepropetrovsk, 1956. 16 pp with diagrams (Min of Higher and Specialized Secondary Education UkSSR. Dnepropetrovsk Chemicotechnological Inst im F. E. Dzerzhinskiy), 200 copies (KL, 50-59, 127)

NIKIFOROV, A.F.; STENDER, V.V.

Obtaining zinc by the electrolysis of its chloride. Vest.AN Kazakh.SSR
14 no.10:42-48 0 '58. (MIRA 11:12)
(Zinc--Electrometallurgy)

NIKIFOROV, A.F.; STENDER, V.V.

Liberation of hydrogen during the electrolysis of acid solutions
of zinc salts. Ukr.khim.zhur. 25 no.1:18-24 '59. (MIRA 12:4)

1. Dnepropetrovskiy khimiko-tehnologicheskii institut im. F.E.
Dzerzhinskogo.

(Hydrogen)

(Zinc)

(Electrolysis)

NIKIFOROV, A.F.; STENDER, V.V.

Causes of the pitting corrosion of zinc deposits in the presence of cobalt admixtures. *Izv.vys.ucheb.zav.; khim.i khim tekhn.* 3 no.1:162-165 '60. (MIRA 13:6)

1. Kafedra tekhnologii elektrokhimicheskikh proizvodstv Dnepropetrovskogo khimiko-tekhnologicheskogo instituta imeni F.E. Dzerzhinskogo.

(Zinc plating) (Electrolytic corrosion)

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S/O44/62/000/003/007/000
C111/C444

AUTHORS: Uvarov, V. B., Nikiforov, A. F.
 TITLE: On an approximation method for the solution of the Schrödinger equation
 PERIODICAL: Referativnyy zhurnal, Matematika, no. 3, 1962, 30, abstract 3V161. ("Zh. vychisl. matem. i matem. fiz.", 1961, 1, no. 1, 177-179)
 TEXT: One proposes instead of the problem

$$-\frac{1}{2} \frac{d^2 R}{dr^2} + V(r)R = ER, R(0) = R(\infty) = 0$$

to solve the problem

$$-\frac{1}{2} \frac{d^2 \tilde{R}}{dr^2} + \tilde{V}(r)\tilde{R} = \tilde{E}\tilde{R}, \tilde{R}(0) = \tilde{R}(\infty) = 0$$

where $\tilde{V}(r, \lambda_1, \dots, \lambda_s)$ is chosen such that the solutions of the equation

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On an approximation method for the ...

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C111/C444

$$-\frac{1}{2} \frac{d^2 \tilde{R}}{dr^2} + \tilde{V}(r) \tilde{R} = \tilde{E} \tilde{R}$$

are known and sufficiently simple functions. The parameters λ_i are chosen such that the potentials V and \tilde{V} only slightly differ from each other on the interval where $\tilde{R}(r)$ is essentially different from zero; e.g. from the condition that the functional

$$F(\lambda_1, \dots, \lambda_s) = \int_0^{\infty} [V(r) - \tilde{V}(r, \lambda_1, \dots, \lambda_s)]^2 \tilde{R}^2(r) dr$$

becomes a minimum.

One points to the fact that this method has been tested by a large number of examples; two examples are given.

[Abstracter's note: Complete translation.]

Card 2/2

NIKIFOROV, A.

Ball-bearing pipe shop. Prom. stroi. i inzh. soor. 4 no.3:17-19
My-Je '62. (MIRA 15:7)

1. Nachal'nik konstruktorskogo byuro promyshlennykh sooruzheniy
zavoda imeni Babushkina.
(Dnepropetrovsk—Metallurgical plants)

NIKIFOROV, A.F.

Zonal corrosion in pores of cathode-polarized zinc. Ukr.khim.zhur.
28 no.7:875-878 '62. (MIRA 15:12)

1. Dnepropetrovskiy khimiko-tekhnologicheskii institut.
(Zinc plating) (Electrolytic corrosion)

NIKIFOROV, A.F.

Preparation and electrochemical treatment of heavy metal chloride
solutions. TSvet. met. 36 no.3:89 Mr '63. (MIRA 16:5)
(Nonferrous metals--Electrometallurgy)
(Hydrometallurgy)

STENDER, V.V., *otv. red.*; ZOSIMOVICH, D.P., *zam. otv. red.*;
DELIMARSKIY, Yu.K., *red.*; LOSHKAREV, M.A., *red.*; NECHAYEVA,
N.Ye., *red.*; NIKIFOROV, A.F., *red.*; BYCHKOVA, R.I., *red.*

[Hydroelectrometallurgy of chlorides; reports] Gidroelektro-
metallurgiiia khloridov; doklady. Kiev, Naukova dumka, 1964.
178 p. (MIRA 17:11)

1. Vsesoyuznyy seminar po prikladnoy elektrokhemii. 5th,
Dnepropetrovsk, 1962. 2. Dnepropetrovskiy khimiko-
tehnologicheskii institut (for Stender).

NIKIFOROV, A.F.

Change of activity of the cathode surface during the simultaneous discharge of hydrogen and zinc ions. Zhur. prikl. khim. 37 no.2:348-352 F '64. (MIRA 17:9)

1. Dnepropetrovskiy khimiko-tehnologicheskii institut.

NIKIFOROV, A.F., kand. ekonom. nauk

Economic effectiveness of capital assets of the woodworking
industry. Der. prom. 13 no.8:1-3 Ag '64.

(MIRA 17:11)

NIKIFOROV, A. M.

Forage Plants - Diseases and Pests

Chemical control of weeds, pests, and diseases of agricultural plants, Sov. agron.,
10 No. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, July 195~~8~~⁶,²Uncl.

NIKIFOROV, A. M.

The control of pests and diseases of agricultural plants Moskva, Gos. izd-vo sel'khoz lit-ry, 1954. 119 p. (Uchebniki i uchebnye posobiia dlia podgotovki sel'skokhoziaistvennykh kadrov massovoi kvalifikatsii)

NIKIFOROV, A.M.

[New chemical preparations for crop protection; control of pests, plant disease agents and weeds] Novye khimicheskie sredstva zashchity urosheia; bor'ba s vrediteliami i возбуdiviteliami bolesnei sel'skokoziiaistvennykh rastenii i s sorniakami. Moskva, Znaniie, 1954.

(Insecticides) (Fungicides)

(MLRA 7:11)

NIKIFOROV, A.M.,

Chemist, ed. Aerosols, and their use in controlling grain product pests and livestock parasites. 2, izd., ispr. i dpp Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 78p. (55-16524)

8B951, N48 1954

NIKIFOROV, A. M.

Aerosols, Their Application for the Control of Pests of Grain Products:
and Parasites of Farm Animals, Moscow, 1954.

№: U-3,054,664

NIKIFOROV, A. M.

①
1954* (Fight Against Major Insect Pests and Plant Diseases
in May and June.) Bor'ba s glavnykh vreditelnykh naseko-
nymi i boleznyami rasteni v mae i iune. A. M. Nikiforov.
Dostizhenia Nauki i Peredovogo Opyta v Sel'skom Khozjstve,
1954, no. 4, Apr., p. 90-92.
Accounts, combinations, and methods of using various insecti-
cides and fungicides on different crops.

NIKIFOROV, A.M., laureat Stalinskoy premii.

Chemical agents for controlling agricultural pests. Zet.v
shkole no.1:23-26 Ja-F '56. (MLda 9:5)

1. Glavnaya gosudarstvennaya inspektsiya po karantinu i zashchite
resteniy Ministerstva sel'skogo khozyaystva SSSR.
(Agricultural pests) (Insecticides)

YELENIN, A.V., inzhener; ZHUYKO, I.S., ekonomist; MUSHNIKOVA, K.S.,
agronom; NIKIFOROV, A.M., agronom; SAGALOVICH, Ye.N., agronom;
SLOBODCHIKOV, D.D., agronom [deceased]; MOROZOV, D.H., redaktor
[deceased]; BALLOD, A.I., tekhnicheskiy redaktor

[Agronomist's handbook and calendar] Kalendar'-spravochnik agronoma.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 346 p. (MLBA 10:2)
(Agriculture--Handbooks, manuals, etc.)

~~NIKIFOROV, Anton Mikhailovich~~; TSYUREVA, I.V., redaktor; PEVZNER, V.I.,
tekhnicheskii redaktor.

[Combatting pests and diseases of agricultural crops] Bor'ba s
vrediteliami i bolezniami sel'skokhoziaistvennykh kul'tur. Izd.2-oe.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 128 p. (MIRA 10:11)
(Field crops--Diseases and pests)

NIKIFOROV, Anton Mikhaylovich; KATSNEL'SON, S.M., red.; GUBIN, M.I., tekhn.red.

[Control of agricultural pests] Bor'ba s vrediteliami sel'skokho-
ziaistvennykh rastenii. Moskva, Izd-vo "Znanie," 1957. 31 p.
(Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i
nauchnykh znani. Ser.5, no.21) (MIRA 10:11)
(Agricultural pests)

ZARING, P.V.; NIKIFOROV, A.M., spetsredaktor; RYAZANOVA, A.P., red.;
MAYBORODA, M.I., khudozhestvenno-tekhnicheskiy red.

[Grosshoopers, locusts, and their control] Saranchovye, kuznechiki
i bor'ba s nimi. Moskva, Izd-vo M-va sel.-khoz. SSSR, 1957. 13 p.
22 p. of illus. (MIRA 11:6)

1. Russia (1923- U.S.S.R.) Glavnaya gosudarstvennaya inspektsiya
po karantinu i zashchite rastenii.
(Locusts--~~Ex~~termination)

NIKIFOROV, A.M.; ZARING, P.V.

[Sugar beet pests] Vrediteli sakharnoi svekly. Moskva, Ministerstvo
sel'skogo khoziaistva SSSR, 1957. 34 p. (MLRA 10:4)
(Sugar beets--Diseases and pests)

НИКИФОРОВ, АНТОН НИКОНОВИЧ

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1957

Por'ba S Vreditel'nyami I Boleznyami Sel'skokhozyaystvennykh Kul'tur (Struggle with the Pests and Diseases of Agriculture) 2. Izd. Moskva, Sel'khozgiz, 1957. 120 p. Illus., Diagr. (Uchebnykh Uchebnyye Posobiya Dlya Podgotovki Sel'skokhozyaystvennykh Kadrov Massovoy Kvalifikatsii).

NIKIFOROV, A.M.

NIKIFOROV, A.M.

Colorado beetle and its control. Biol.v shkole no.2:83-86
Mr-Apr '57. (MLRA 10:5)

1.Glavnaya inspektsiya po karantinu i sashchite rasteniy Minister-
stva sel'skogo khozyaystva SSSR.
(Potato beetle)

ZARING, P.V., agronom-entomolog; NIKIFOROV, A.M., agronom-entomolog

Reducing the loss to a minimum. Zashch. rast. ot vred. i bol.

2 no.6:6-8 N-D '57.

(MIRA 16:1)

(Plants, Protection of)

NIKIFOROV, A.M.

~~Work with herbicides abroad. Zemledelie 6 no.5:91-92 My '58.~~
(Herbicides) (MIRA 11:6)

USSR/General and Specialized Zoology - Insects. Harmful Insects and Acarids. Chemical Means in the Control of Harmful Insects and Acarids. P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25401

Author : Nikiforov, A.

Inst : -

Title : New Chemical Methods of Controlling Pests.

Orig Pub : Kolkhoznoye Proiz-vo, 1958, No 5, 43

Abstract : No abstract.

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NIKIFOROV, A.M.

[Control of pests and diseases in farm crops] Bor'ba s vrediteliami i bolezniami sel'skokhoziaistvennykh kul'tur. Izd.3. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 130 p. (MIRA 14:8)

(Plant diseases) (Agricultural pests)

VOLKOV, Aleksandr Nikolayevich; GERASIMOV, B.A.; ZARING, P.V.; MUSHNIKOVA,
K.S.; NIKIFOROV, A.M.; PROKOPENKO, S.F.; POPOV, S.D.; CHUVAKHIN,
V.S.; MINENKOVA, V.R., red.; GOR', Z.D., tekhn.red.; GUREVICH,
M.M., tekhn.red.

[Manual on controlling pests and diseases of farm crops] Posobie
po bor'be s vrediteliami i bolezniami sel'skokhoziaistvennykh
kul'tur. Izd.10, ispr. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry,
1960. 615 p. (MIRA 13:11)

(Agricultural pests)

(Plant diseases)

NIKIFOROV, A.M.

[Protecting plants from pests and diseases] Zashchita rastenii
ot vreditel'ei i boleznei. Moskva, Gos.izd-vo sel'khoz. lit-
ry, 1961. 150 p. (MIRA 16:1)
(Plants, Protection of)

S/123/61/000/020/029/035
A004/A101

AUTHOR: Nikerov, P. S.

TITLE: Hydraulic stabilizer

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1961, 11, abstract
20L47 ("Sudostroyeniye", 1961, ²⁷no. 6, 17-18)

TEXT: The principle of action of the hydraulic stabilizer is based on the properties of waves to collapse in the zone of counterflow. The stabilizer is an assembly which produces on the water surface an artificial flow directed from the ship's board outward. The design of the stabilizer is comparatively simple. On the water-mark level or somewhat higher the ship's hull is surrounded by the working pipe (collector) with holes on which horizontal nozzles are placed. The pump installation, located on the deck or in the ship's hold, presses water into the collector which, under pressure, is ejected from the nozzles in a continuous row of horizontal jets. When hitting the sea surface the jets carry away the upper water layers and produce a surface current beyond the ship's board. The waves running towards the ship and getting into the zone of the counterflow rapidly change their elements: their height considerably increases

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S/123/61/000/020/029/035
A004/A101

Hydraulic stabilizer

while their length decreases. The main advantage of the hydraulic stabilizer consists in the fact that its efficiency does not depend on the running speed and is preserved also while the ship stands. Investigations showed that the power input of the jets can be found according to an expression being presented. For normal operation of the hydraulic stabilizer low-pressure pumps of high capacity are required. The collector should have closely arranged nozzles of a diameter ensuring the passage of large amounts of water. There are 1 figure and 5 references. ✓

N. Alekseyev

[Abstracter's note: Complete translation]

Card 2/2

NIKEROV, P.S.

Determining the consumption of air in a pneumatic breakwater.
Gidrotekhnika no.2:53-58 '62. (MIRA 16:5)
(Compressed air) (Waves, Calming of)

NIKEROV, P.S.

Degree of precision of analyzing recordings of wave vibrations using
quadrature. Gidrotekhnika no.2:95-100 '62. (MIRA 16:5)
(Waves)

NIKEROV, P.S.

Some tendencies in the development of the port of New York.
Gidrotekhnika no.2:134-135 '62. (MIRA 16:5)
(New York (City)--Harbor)

GUREVICH, D.Ye.; NIKEROV, P.S., dotsent

Hydraulic wave damper. Transp. stroi. 12 no.4:27-29 Ap '62.
(MIRA 15:5)

1. Glavnyy tekhnolog Chernomorgidrostroya (for Gurevich).
2. Odesskiy institut inzhenerov morskogo flota (for Nikerov).
(Waves, Calming of) (Hydraulic machinery)

NIKEROV, P., dotsent; KULYGIN, B.

Twentieth International Congress on Navigation. Mor. flot
22 no.3:40-41 Mr '62. (MIRA 15:2)

1. Kafedra vodnykh putey i portov Odesskogo instituta
inzhenerov morskogo flota (for Nikarov). 2. Nachal'nik
otdela gidrotekhnicheskikh sooruzheniy Gosudarstvennogo
proyektno-konstruktorskogo i nauchno-issledovatel'skogo
instituta morskogo transporta (for Kulygin).
(Navigation--Congresses)

(N) L 10424-66

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BOOK EXPLOITATION

UR/

Nikerov, Pavel Stepanovich

24
B+1

Pneumatic breakwater (Pnevmaticheskiy volnolom), Moscow, Izd-vo "Transport", 1965. 135 p. illus., biblio. Errata slip inserted. 1,000 copies printed.

TOPIC TAGS: hydraulic engineering, pneumatic device, waterway engineering, harbour engineering, ocean transportation, inland waterway transportation

PURPOSE AND COVERAGE: This book presents a new type of wave gradient construction, the pneumatic breakwater. A short description of the development in foreign and Soviet studies on the theory of pneumatic breakwater is first given, then a basic introduction of its construction and the principle of its operation. Prospects for the uses of the breakwater in open sea and internal harbours are pointed out. This book is recommended for technical engineers in water transportation and hydrotechnical construction, and it can also be useful for scientists, teachers and students in universities and departments of hydro-technical specialties.

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- Ch. II. Short description of studies made of the pneumatic breakwater — 21
- Ch. III. Principles of the process of the pneumatic breakwater — 55
- Ch. IV. Problems of the construction and design of the pneumatic breakwater — 96
- Ch. V. Use of pneumatic devices in various fields — 120

Bibliography — 132

SUB CODE: 00

SUBMITTED: 16Dec64

NO REF SOW: 032

OTHER: 025

DC
Card 2/2

Z/056/62/019/002/014/014
I037/I242

AUTHOR: Nikerov, T.

TITLE: Hydraulic damper for ships

PERIODICAL: Přehled technické a hospodářské literatury,
Hutnictví a strojírenství, v.19, no.2, 1962,
136, abstract HS 62-1754 (Sudostroyeniye, v.27,
no.6, 1961, 17-18)

TEXT: Description of the principle of the hydraulic damper for ships. Experience with the damper. The damping is based on the properties of the waves to break in the counteracting current region. The damper is a device producing an artificial current on the water surface acting from the sides of the ship. At water level or slightly above, the ship is surrounded by a tubing with openings and horizontal pipes. A pump placed on deck pumps water which is ejected

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Z/056/62/019/002/014/014
I037/I242

Hydraulic damper for ships

under pressure as a series of horizontal streams from the pipes. Calculation of the stream force based on laboratory tests. According to these tests, the method is technically feasible. Final evaluation and more accurate conclusions, however, can only be obtained from tests with actual dimensions. 1 diagram, 5 references.

[Abstracter's note: Complete translation.]

Card 2/2

NIKEROVA, L. I.

Physics - Study and Teaching

"Pedagogical lectures" in the Leningrad Scientific Research Pedagogical Institute of the Academy of Pedagogical Sciences of the R.S. F. S. R. (Section for methodology in physics.) Fiz. v shkole No. 4, 1952.

Monthly List of Russian Accessions Library of Congress November 1952 UNCLASSIFIED.

~~MIKHEVA, Irina Ivanovna~~; BARKOVSKIY, I.V., redaktor; LEONT'YEVA, L.A.,
tekhnicheskiy redaktor

[Practical training in mechanical engineering in grade 8; from the
experience of secondary school teacher] Praktikum po mashinovedeniyu
v VIII klasse; iz opyta raboty uchitelia srednei shkoly. Leningrad,
Uos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, Leningr. otde-nie,
1957. 99 p. (MLA 19:10)
(Mechanical engineering--Study and teaching)

NIKEROVA, L.I.

The sewing machine in physics and mechanical engineering courses
in the secondary school. Politekh.obuch. no.7:52-58 JI '57.

(MIRA 10:7)

(Sewing machines)

ZNAMENSKIY, Petr Alekseyevich, prof.; NIKEROVA, Lidiya Ivanovna;
SIDOROV, N.I., red.; TARASOVA, V.V., tekhn.red.

[Mechanics and mechanical engineering in high schools]
Mekhanika i mashinovedenie v srednei shkole. Pod red. P.A.
Znamenskogo. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1959.
238 p. (MIRA 12:8)

1. Chlen-korrespondent APN RSFSR (for Znamenskiy).
(Technical education)

ZNAMENSKIY, P.A., prof., red.; NIKEROVA, L.I., starshiy nauchnyy sotr.;
SHAPOSHNIKOVA, A.A., red.; KOSAREVA, Ye.N., tekhn. red.; DOBRO-
KVASHINA, A.M., tekhn. red.

[Teaching physics and the fundamentals of production; from the
experience of Leningrad schools] Prepodavanie fiziki i osnov pro-
izvodstva; iz opyta raboty shkol Leningrada. Pod red. P.A.Zna-
menakogo i L.I.Nikerovoi. Moskva, Izd-vo Akad.pedagog.nauk
RSFSR, 1961. 118 p. (MIRA 14:12)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut vechernikh
(smennykh) i zaochnykh srednykh shkol. 2. Chlen-korrespondent Akademii
pedagogicheskikh nauk RSFSR (for Znamenskiy).
(Physics—Study and teaching)
(Leningrad—Education, Cooperative)

NIKEROVA, L.I., red.; KULIKOV, V.N., red.; SHAPOSHNIKOVA, A.A.,
red.

[Experience in teaching physics in evening (staggered)
and correspondence schools] Opyt prepodavaniia fiziki v
vecherney (smennoi) i zachnoi shkole. Moskva, Izd-vo
APN, 1962. 158 p. (MIRA 18:12)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Lenin-
gradskiy institut vechernikh (smennykh) i zachnykh sred-
nykh shkol.

NIKEROVA, L.I., red.; LISOVSKIY, V.V., red.; VIKULINA, E.K., red.

[Improving the methods of teaching physics in evening schools] Sovershenstvovanie metodov obucheniia fizike v vechernikh shkolakh. For red. L.I. Nikerovoi i V.V. Lisovskogo. Moskva, Izd-vo "Prosveshchenie," 1964. 102 p. (MIRA 17:7)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut vechernikh (smennykh) i zaochnykh srednikh shkol.

I. 10684-63 EWT(M)/BDS/RS(M)-2--AFPTC/ASD/ESD-1/SSD--Pub-1
ACCESSION NR: AP3002276 8/0089/63/014/006/0596/0597

AUTHOR: Nikeshichev, V. N.; Sinitsyn, E. V.

TITLE: Colloquium on construction and application of betatrons, held in Bucharest, Roumania, November 1962

SOURCE: Atomnaya energiya, v. 14, no. 6, 1963, 596-597

TOPIC TAGS: clinical use of betatrons, conferences

ABSTRACT: Report on colloquium held in Bucharest in November 1962 on the initiative of the Roumanian Academy of Sciences. Thirty scientists from East Germany, Roumania, Soviet Union, Poland, Hungary, and Yugoslavia participated. Papers from the first three countries were the most interesting as these countries had greater experience in construction and operation of these accelerators. Academician Kh. Khulubi of the AN RFR opened the colloquium. Papers were presented by Prof. A. A. Vorob'yev (SSSR) on work done in the Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute); Prof. A. Eckart (East Germany) of the Physico-Technical Institute of Jena University; M. Vaksel, A. Brinshek of Ljubliana, Institute for nuclear physics (Yugoslavia); K. Iliescu and others of the Betatron Laboratory, Institute for atomic physics AN RFR; R. V. Sinitsyn and V. N. Nikeshichev (SSSR); E. Burger and V. Stern (East Germany). Among application

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L 10684-63

ACCESSION NR: AF3002276

discussed was the use of betatrons in clinical treatment of malignant growths. It was pointed out that the betatrons produced by the Moscow Elektrozavod are not inferior to those constructed by research institutes or commercial firms.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 12/1/65

ENCL: 00

SUB CORR: 00

NO REF SOV: 000

OTHER: 000

sa/h
Card 2/2

NIKOSHCHIV, V.N.

Second Symposium on the use of ionizing radiations for
Distance radiotherapy. At 1. energ. 16 no. 01545-546 (1974).
(1974)

NIKESHICHEV, V.N.

~~Necessity of establishing an oncological network in radiotherapy~~
stations (from the viewpoint of the theory of mass service). Med.
rad. 9 no.3:75-78 Mr '64. (MIRA 17:12)

AUTHORS: Nikeshin, B. and Yukhin, I., Mechanics SOV/2-5^a-12-12/19

TITLE: **Increasing Labor Productivity With the Type P80-2 Perforator (Povysheniye proizvoditel'nosti truda na perforatorakh P80-2)**

PERIODICAL: Vestnik statistiki, 1958, Nr 12, p 63 (USSR)

ABSTRACT: To ease the work of the operators, the authors have initiated some minor changes in the mechanism of the P80-2 perforator, which will increase labor productivity.

ASSOCIATION: Statisticheskoye upravleniye Leningrada (the Leningrad Board of Statistics)

Card 1/1

NIKESHIN, B.S., aspirant

Operational failures of automated water discharge systems with
high-voltage motors. Sbor. nauch. trud. Kem. gor. inst. no.5:
130-132 '64. (MIRA 18:3)

1. Gorno-elektromekhanicheskiy fakul'tet Kemerovskogo Gornogo
instituta.

~~NIKETIC, Boško, Prof. dr.~~

Cooperation between general practitioner and neuropsychiatrist.
Med. glasn. 8 no.11-12:402-404 Nov-Dec 54.

(PSYCHIATRY

psychiatrist-GP cooperation)

(GENERAL PRACTICE

psychiatrist-GP cooperation)

NIKETIC, B.

On the indications for the interruption of pregnancy in mental patients. Neuropsihijatrija 7 no.1-2:1-10 '59.

1. Iz klinike za zivcane i dusevne bolesti Medicinskog Fakulteta u Skoplju, direktor: prof. dr. B. Niketic.
(MENTAL DISORDERS in pregn.)
(ABORTION THERAPEUTIC)

NIKETIC, Bosko, prof., dr. (Skopje)

Medico-legal aspects relating to mental patients. Med. glasnik. 15
no.2/2a:48-50 F '61.

1. Clan Uredivackog odbora, "Medicinski glasnik".

(MENTAL DISORDERS jurisprudence)

NIKETIC, Bosko, prof., dr. (Skopje)

How to organize daily, weekly and annual rest? Med. glasnik. 15
no.2/2a:89-91 F '61.

1. Clan Uredivackog odbora, "Medicinski glasnik".

(REST)

NIKSTIC, G.

Wild pomegranates as an industrial raw material. p. 1265.
Vol. 9, No. 8, 1954. TEHNIKA. Beograd, Yugoslavia.

SOURCE: East European Accessions List, (KEAL) Library
of Congress, Vol. 5, No. 8, August, 1956.

YUGOSLAVIA/Chemical Technology. Chemical Products and Their
Application. Food Industry.

H-28

Abstr Jour: Ref Zhur-Khim., No 2, 1959, 6354.

Author : Stevic, Bogoje; Mihalic, Gordana.

Inst : Belgrade University.

Title : Preservation of Blackberry Juice with Formic Acid.

Orig. pub: Zb. radova Poljoprivrednog fak. Unt Beogradu, 1957, 5,
No 1, 25-40.

Abstract: It is shown that blackberry juice preserved with formic acid (I) of the concentration of 0.2% - 0.30% starts to ferment in consequence of the development of the yeasts *Saccharomyces* spp. and *Schizosaccharomyces pombe* in it; the latter yeast can develop, if the concentration of I is 0.45%. The Yugoslav standard allows a content of not more than 0.25% of I in

Card : 1/2

129

YUGOSLAVIA/Chemical Technology - Chemical Products and Their Applications - Food Industry. H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37872

Author : Niketic, G., Gugusevic, M.

Inst : -

Title : A Study of Chemical Composition and of Possibilities of Industrial Uses of Wild Pomegranates.

Orig Pub : Tehnika, 1957, 12, No 1, Prehranbena Ind., 11, No 11, 6-10

Abstract : Domestic species of wild growing pomegranates, grown in two different regions of the country, were tested in order to determine the potentialities of their commercial use as raw materials for the fruit-vegetables industry. Average fruit weight, depending on the growing region, varies from 100-80 grams. The seed content is inversely proportional to the fruit size and is correspondingly 45.4 and 59.0%. Skin and rind content is 54.6 and 40%,

Card 1/2

37

NIKETIC, MILUTIN

Radovi u vocnjaku i vinogradu zimi i u rano prolece; s pogledom na preduzetu akciju. Beograd, 1947. 21 p. (Kolarcev narodni univerzitet. Knjiznica za narodno prosvetivanje, 30) (Work in orchards and vineyards in winter and in early spring; in connection with the planned drive) Yugoslavia

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 4, No. 12, December 1955.

NIKETIC, (M. J.)

The Review of Applied
Mycology May 1954

①

NIKETIC (M. J.). Проблем шарке Шљиве у ФНРЈ са воћарског гледишта.
[The problem of the Plum pox disease in the F.P.R.Y. from the orchard point
of view.]—*Zash. Bilja [Plant Prot., Beograd]*, 1952, 11, pp. 69-72, 1952.

This paper discusses the plum pox disease [cherry mottle leaf virus: see preceding
and following abstracts] situation in orchards in various parts of Yugoslavia and the
best means of securing the elimination of diseased trees.

MIKENCIC, M.

"Production of arms production." M. C. (SOCIALISTICKA REPUBLIKA SRBIJA, Vol. 4, no. 1,
Jan. 1953, Beograd, Yugoslavia)

SC: Monthly List of East European Accessions Vol. 2, #3, Library of Congress
August, 1953 Uncl.

NIKETIC, M.

Reorganization of our prune culture and alcoholism. p. 20.
POLJOPRIVREDA. (Drustvo poljoprivrednih inzenjera i teh-
nicara NR Srbije) Reograd. Vol. 4, no. 1, Jan. 1956.

SOURCE: East European Accessions List, (EEAL),
Library of Congress Vol. 5, no. 11, Nov. 1956.

YUGOSLAVIA / Cultivated Plants. Fruit Trees. Small
Fruit Plants. Nut Trees. Tea. K

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25042

Author : Miketih, M.

Inst : Not given

Title : Concerning Apples of the Jonathan Variety

Orig Pub : Pol'oprivreda, 1957, 5, No 5, 45-54

Abstract : Under Yugoslavian conditions, at a considerable yield and good quality of fruits, Jonathan has very small fruits and is very sensitive to black rot of the fruits, caused by *Physalospora cydonia*, which yields with difficulty to treatment, as a consequence of which many fruits fall off prematurely.
-- Ye. A. Parshina

Card 1/1

NIKETIC, MILUTIN J.

Sortno voce; kajsijsa.

Beograd, Yugoslavia. 1958. 219 p.
Zadružna knjiga

Monthly List of East European Accession (ELAI) LC, Vol. 8, no. 6
June 1959
Uncl.

TASOVAC, Borivoje; CALIC, Nada; DUKIC, Dragica; NIKEZIC, Marija; ROLOVIC,
Milana.

The Wissler-Fanconi syndrome. Srpski arh. celok. lek 91
no.10:931-938 0'63.

1. Pedijatrijska klinika Medicinskog fakulteta Univerziteta
u Beogradu. Upravnik: prof.dr. Borivoje Tasovac.

5

JOKANOVIC, Rosanda; KRSTIC, Klimentije; NIKEZIC, Marija.

Neurofibromatosis with scoliosis and growth retardation in a 12-year-old girl. Srpski arh. celok. lek. 91 no.10:987-992 0'63.

1. Pedijatrijska klinika Medicinskog fakulteta Univerziteta u Beogradu (upravnik:prof. dr. Borivoje Tasovac) i Decja hirurska klinika Medicinskog fakulteta Univerziteta u Beogradu (v.d.upravnika: doc. dr. Ilija Stojimirovic).

JOKANOVIC, R., dr; NIKEZIC, Marija, dr

Treatment of diabetic coma in children. Med. glas. 16 no.2:75-79
F '62.

1. Pedijatrijska klinika Medicinskog fakulteta u Beogradu (Upravnik:
prof. dr B. Tasovac)

(DIABETIC COMA in inf & child)

5

SAVEL'YEV, I.A.; NIKHAMIN, S.Z.

Moscow Furniture Factory No.5 struggles to achieve technological
progress. Der.prom. 10 no.9:18-20 S '61. (MIRA 14:10)
(Moscow---Furniture industry)

SOKOLOV, S.N.; NIKHAMINA, G.Ya.

Laboratory setup for determining the heat capacity of a gas at constant pressure (C_p) using the constant flow method. Izv. vys. ucheb. zav.; fiz. no.5:179-180 '63.

(MIRA 16:12)

1. Moskovskiy aviatsionnyy institut imeni S.Ordzhonikidze.

NIKHAMINA, Ye.A.

First observations on treating cancer of the bladder with radioactive cobalt. Urologia 23 no.3:58-60 My-Je '58 (MIRA 11:6)

1. Iz urologicheskogo otdeleniya (zav. - prof. L.I. Dunayevskiy) 6-y Moskovskoy gorodskoy klinicheskoy bol'nitsy i iz Onkologicheskoy bol'nitsy (glavnyy onkolog prof. F.M. Lampert).

(BLADDER, neoplasms
radiocobalt (Rus))

(COBALT, radioactive
ther. of bladder cancer (Rus))

LIPMANOVICH, A.S., kand.med.nauk; NIKHAMKIN, A.B.

Some problems in the course of neurosyphilis. Sbor.nauch.-prak.
rab.Poliklin.im.F.E.Dzerzh. no.2:112-117 '61. (MIRA 16:4)
(NERVOUS SYSTEM—SYPHILIS)

GURVICH, Yu.V.; KAPLAN, D.A.; KATSNEL'SON, G.N.; NIKHAMKIN, E.A.

Effect of basic parameters on the production capacity of a slitter.
Bumagodel.mash. no.9:155-172 '61. (MIRA 15:1)
(Papermaking machinery)

NIKHAMKIN, E.A.; EYDLIN, I.Ya.; KAPLAN, D.A.

Study of the basic factors determining the closeness of rewinding
on a winder. Bumagodel.mash. no.9:173-183 '61. (MIRA 15:1)
(Papermaking machinery)

YURCHENKO, A.I., inzh.; NIKHAMKIN, E.A., inzh.; KAGAN, V.K., inzh.

A standardized automatic sheet paper cutter is needed.

Bum. prom. 36 no.8:24 Ag '61

(MIRA 14:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut bumagodelatel'nogo mashinostroyeniya.
(Papermaking machinery)

APT, M.Ya., mayor meditsinskoy sluzhby; NIKHAMKIN, Z.I., kapitan meditsinskoy sluzhby

Preventing pressure injuries of the lungs while working with the
KIP-5 device. Voen.-med. zhur. no.3:36-38 Mr '56. (MLRA 9:9)
(LUNGS--WOUNDS AND INJURIES)

Tetrahydro-*ar*-1-(and 2)-naphthols acids and their derivatives. S. I. Sergeevskaya and E. G. Nibhanikina. (All Union Chem. Pharm. Inst., Moscow). *J. Gen. Chem.* (U.S.S.R.) 15, 1111 (1945). *ar*-1-Aminotetralin (45 g.), 75 cc. concd. HCl, and 200 cc. water were mixed and treated with sufficient water to dissolve the HCl salt; diazotization by 22.5 g. NaNO₂ in 500 cc. water at -5°, followed by addn. to 50 g. NaCN in 500 cc. water, and 10% NH₄OH, and 31 g. CuCl, stirring for 2-3 hrs., and steam distn. gave 5,6,7,8-tetrahydro-1-naphthol (35.7%), b. 130-1°, b. 166-7°. Heating 15.7 g. of above with 10.8 g. NaOH, 75 cc. EtOH, and 5 cc. water at reflux gave 15 g. of the corresponding acid (I), m. 139-40° (after crystn., m. 150-1°; solvent not given) and 0.5 g. *amide* (no m.p.); the hydrolysis may be conducted in a sealed tube at 140° for 8 hrs., using concd. HCl, although the yield is lowered (ca. 50%); the same acid was obtained after alc. KOH hydrolysis of the hydrogenation product of Et 1-naphthoate. I (5 g.), 17 cc. alc. EtOH, and 1.5 cc. concd. H₂SO₄, heated 6 hrs., yielded the *Et ester*, b. 128-9°; hydrogenation of Et 1-naphthoate in EtOH, using Raney Ni at 130° and 50 atm., gave the same ester, b. 165-71° Chloride of I, obtained by heating 12 g. I with 100 g. SOCl₂, b. 122-3°. Treatment of this with NH₄OH gave the *amide*, m. 181-2° (from EtOH). The chloride (1.8 g.) in dry benzene and 2 g. Et₃NCl₂·CH₃OH were refluxed for 2 hrs., and after the usual treatment, treated with Et₃O-HCl to give 2-diethylaminoethyl 5,6,7,8-tetrahydro-1-naphthoate-HCl, m. 101-2° (from benzene). Similar procedures were used in the prepn. of 1,6,7,8-tetrahydro-1-naphthol (from *ar*-2-aminotetralin), b. 103-4° (30%); acid, m. 153° (from EtOH) (30%); *Et ester*, b. 135.5°; acid, m. 153° (from EtOH) (30%); *amide*, m. 140-1° (from b. 147°); *chloride*, b. 115-10°; *amide*, m. 152-3° (from EtOH); 2-diethylaminoethyl ester-HCl, m. 152-3° (from benzene). The alkylamino esters are weak anesthetics. G. M. Kosolapoff

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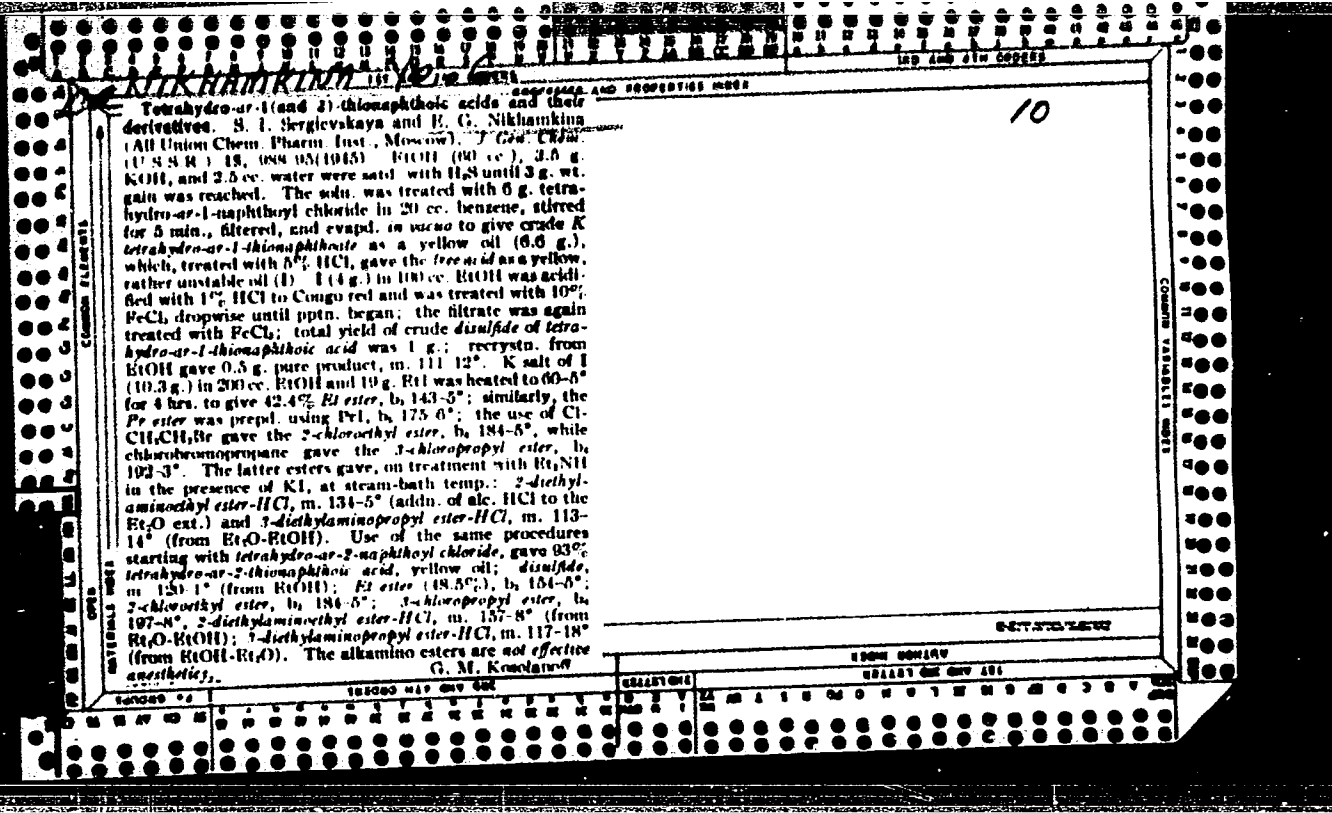
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ASAC-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

REVISIONS

DATE



NIKHAMKINA, Ye.G. [Nikhankina, H.I.]

Synthesis of bromotriphenylethylene. Nauk. zap. ChDPI 8:89-92
'56. (MIRA 11:2)
(Ethylene) (Chemistry, Organic--Synthesis)

~~NIKHAMKINA, E.G. [Nikhankina, E.H.], dots.; GOLOVKO, N.P. [Golovko, N.P.],
student; LEVCHENKO, R.Ye. [Levchenko, R. I.E.], student; KOVAL'SKAYA,
L.I. [Koval's'ka, L.I.], studentka; PRIZ, N.S. [Pryz, N.S.],
student; SUKOVA, R.I., studentka.~~

Condensation of phenol, α -naphthol, and β -naphthol with formalde-
hyde. Mank. zap. ChDPI 11:345-348 '57. (MIRA 11:5)
(Phenol condensation products) (Formaldehyde)

ACCESSION NR: AP4002283

S/0139/63/000/005/0179/0180

AUTHORS: Sokolov, S. N.; Nikhamina, G. Ya.

TITLE: Laboratory apparatus for determination of specific heat of gases at constant pressure (C_p) by a continuous flow method

SOURCE: IVUZ. Fizika, no. 5, 1963, 179-180

TOPIC TAGS: specific heat of air, air at constant pressure, continuous flow method, specific heat of gas, specific heat isobaric measurement, adiabatic flow calorimeter, calorimetry, thermocouple pyrometer, constant pressure specific heat

ABSTRACT: A laboratory apparatus using a continuous flow method for determination of the specific heat of air at constant pressure (c_p) is described. The basic features are shown in Fig. 1 on the Enclosure. An air blower (1) and a 10-liter cylinder (2) to smooth out pressure variations supply a steady flow of air at a constant pressure p to the calorimeter (3). The volume V of air passing through the calorimeter in a time τ is measured by a gas counter (5). An electric heater (4) heats the gas, causing a temperature difference Δt to exist between the entrance

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ACCESSION NR: AP4002283

and exit of the calorimeter. This temperature difference is determined by copper-constantan thermocouples (9) and (10), the emf of which is measured by a potentiometer (11). Tables are available for determining Δt from the emf. The current I and voltage V supplied to the heater are measured by the ammeter (6) and voltmeter (7) respectively and can be varied by the rheostat (8). To reduce heat loss, the calorimeter is enclosed by a vacuum Dewar jacket. From the definition of specific heat and using the equation of state of an ideal gas,

$$c_p = \frac{0.24 IU + RT}{p V \Delta t \mu}$$

where R is the universal gas constant. μ is the molecular weight of air and T is the average absolute temperature of the gas in the calorimeter. Here T is room temperature plus $\frac{1}{2} \Delta t$. Good results over the course of two years have been obtained with this apparatus by students. Orig. art. has: 9 equations and 2 diagrams.

ASSOCIATION: Moskovskiy aviatsionnyy institut imeni S. Ordzhonikidze (Moscow Aeronautical Institute)

SUBMITTED: 13Aug62

DATE ACQ: 02Dec63

ENCL: 01

Card

2/12

L 21184-66 EW(m)/EPF(n)-2/ENG(m)/T/ENP(t) IJP(c) DS/JD/JG/GS
ACC NR: AT6009945 SOURCE CODE: UR/0000/65/000/000/0312/0313

AUTHOR: Korshunov, B. G.; Nikhankin, A. A. 32
B+1

ORG: Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov (Moskovskiy institut tonkoy khimicheskoy tekhnologii)

TITLE: Preparation of fused chlorides containing rare earth elements 21

SOURCE: AN SSSR. Otdeleniye obshchey i tekhnicheskoy khimii. Issledovaniya v oblasti khimii i tekhnologii mineral'nykh soley i oksidov (Studies in the field of chemistry and technology of mineral salts and oxides). Moscow, Izd-vo Nauka, 1965, 312-313

TOPIC TAGS: rare earth, rare earth compound, rare earth chloride, double chloride hydrate, dehydration, fused salt electrolyte

ABSTRACT: A process has been developed for the direct preparation of the fused chlorides K_3MCl_6 where M is a rare earth element, for the electrochemical/winning of individual rare earth elements. Prior art included an illogical and technically difficult step—preparation of individual anhydrous rare earth element chloride. The newly developed process consisted of dehydrating double chloride $3KCl \cdot MCl_3 \cdot nH_2O$ which was obtained by dissolving a rare earth or rare earth hydroxide in HCl, and adding KCl in the amount required to form K_3MCl_6 . Dehydrated chloride was melted under conditions excluding oxygen access. The fused salt contained 52.5–55.5 wt%

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ACC NR: AT6009945

of the rare earth element chloride and, in most cases, no oxychlorides or oxides of the rare earth elements. Basically the same process may be used for regeneration of the spent electrolyte which contains only a small percentage of the rare earth element chloride. [JK]

SUB CODE: 07/ SUBM DATE: 15Jun64/ ORIG REF: 002/ OTH REF: 001/ ATD PRESS: 422

Cont 2/2 BK

