ACC NR: AP7000784 (N) SOURCE CODE: UR/0089/66/021/005/0339/0345

AUTHOR: Borovik, Ye. S.; Katrich, N. P.; Nikolayev, G. T.

ORG: none (deceased)

TITLE: Interaction of fast H_2^+ ions with the surface of metals in ultrahigh vacuum

SOURCE: Atomnaya energiya, v. 21, no. 5, 1966, 339-345

TOPIC TAGS: ultrahigh vacuum, metal surface impregnation, hydrogen ion, ion bombardment, nickel, stainless steel, tantalum, titanium

ABSTRACT: In view of the absence of data on the sputtering of metals in ultrahigh vacuum, and the accompanying penetration of fast particles into metals, such as occur in magnetic traps used for plasma research, the authors have investigated the interaction of fast hydrogen ions H_2^+ with nickel and stainless steel, which form weak chemical bonds with hydrogen, and with metals such as tantalum and titanium, which form strong chemical bonds. The coefficient of sputtering of stainless steel by 35-kev H_2^+ ions (α) and the penetration coefficient of H_2^+ in stainless steel (η) were determined under conditions of superhigh vacuum by a weighing method, using a system of hydrogen and helium condensation pumps and other equipment described in detail elsewhere (Atomnaya energiya v. 18, 91, 1965). The values obtained for α and η are 9×10^{-3} and 0.5 at intruder hydrogen concentrations greatly exceeding 10^{19} atoms/cm^2. The dependence of η on the density of the intruder hydrogen and on the temperature of the metal was measured by varying the pressure. The results lead to the conclusion

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UDC: 532.6; 533.9

ACC NR: AP7000764

that the maximum coefficient of penetration and the maximum gas absorbing capacity is possessed by metals such as titanium, which forms strong chemical bonds with hydrogen. It is advisable to use these metals for binding fast particles in magnetic traps. At low concentration of the intruded hydrogen, the number of reflected atoms probably does not exceed several per cent for all the metals investigated. At low temperatures, the curves of η for all the investigated metals were practically the same. At normal temperatures, η did not decrease for titanium and tantalum, but decreased for stainless steel by a factor of two and for nickel by a factor of three. At high temperatures and low concentrations of the intruded hydrogen, η decreases rapidly (to 0 - 15%) for all the investigated metals. Orig. art. has: 6 figures, 4 formulas, and 1 table.

SUB CODE: 11,20/ SUBM DATE: 01May66/ ORIG REF: 005

Card 2/2

Absorption of phosphorus by plants from fertilizers placed locally in the soil. L. A. Zuev, P. P. Gobiberg, V. I. [illegible], and G. V. Nikolaev. [illegible] 1955, No. 2, 32-41.—Pot and field expts. with tagged P on buckwheat on [illegible] show that placing P with the seed or close to it gives the highest absorption by the plants in their early stages of growth. [illegible]

AG

9

PEMTIN, A.P.; NIKOLAYEV, G.V.

Condition and vitality of the pine plantations subjected to the tapping using calcium hypochlorite. Gidrolis. i lesokhim. prom. 11 no.6:25 '58. (MIRA 11:10)

1.Ser'hovskaya oblastnaya upravleniye sel'skogo khozyaystva.
(Tree tapping)

PEREDEL'SKIY, A.A.; SHAYN, S.S.; KARAVYANSKIY, N.S; NIKOLAYEV, G.V.

Dispersion of radioisotopes in soils by earthworms (Lumbricidae). Dokl. AN SSSR 135 no.1:185-188 N'60. (MIRA 13:11)

1. Institut biologicheskoy fiziki AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut kormov im.V.R.Vil'yamsa. Predstavlena akademikom K.I.Skryabinym.

(EARTHWORMS) (RADIOISOTOPES)

NIKOLAYEV, G.V.

Translocation of phosphorus, calcium, and sulfur from plants to plants via their root systems. Fiziol. rast. 10 no.4:441-446 Jl-Ag '63. (MIRA 16:8)

1. Laboratory of Plant Physiology of All-Union Research Institute of Fodder Crops, Lugovaya Station.

8(6), 14(6)

SOV/110-59-4-6586

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, p 88 (USSR)

AUTHOR: Nikolayev, G. V.

TITLE: Condensers of LMZ Turbines

PERIODICAL: Tr. Leningr. metallich. z-da, 1957, Nr 5, pp 31-47

ABSTRACT: All-welded type KTsS condensers for 25-150-Mw turbines manufactured by the Leningrad Metal Plant are described. All condensers of this series are two-channel with a divided water flow. For fresh-water operation, the condensers have a common steel-plate housing for their steam and water parts. On the inside, the housing carries the main and intermediate tube panels made of steel; the main panels separate the water chambers from the steam space. Flanges are provided on the ends of the common housing; they serve for fastening the detachable lids of the water chambers. These flanges have non-machined sealing surfaces; a thick rectangular rubber stripping between the chamber lid and the flange secures the seal. Salt-water condensers have brass main tube panels, and the water chambers are flange-

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SOV/112-59-4-6586

Condensers of LMZ Turbines

connected with the housing. Most tube banks have a bent-tape shape with a large steam opening and 5-9 tube rows along the steam flow. The tubes are rolled on both ends. They are made from L68 or L070-1 brass; it is planned to use better corrosion-proof alloys for the tubes as recommended by TsKTI. The condenser is mounted on spring supports and welded to the turbine outlet. For 25-Mw turbines, the condenser is delivered assembled with rolled tubes; for higher capacity turbines, the condenser is delivered in three transportable parts which are welded together at the site of installation. An example is cited of determining the condenser cooling surface and its chief dimensions. The high qualities of KTsS condensers were confirmed by VTI tests which resulted in further improvements in the tube bank; a new tube layout is described. In the latest design, provisions are made for a higher watertightness of the condenser. To decrease the stresses in the tube bank due to thermal expansion, a compensator is provided on the housing, and the latter is protected against the high-temperature steam. The condensers for 100- and 150-Mw turbines have built-in low-pressure heaters.

Card 2/2 L.D.B.

NIKOLAYEV, G.V.

Machinery and equipment for municipal needs. Gor. khoz. Mosk. 34 no.10: 33-35 O '60. (MIRA 13:10)

1. Upravlyayushchiy trestom proizvodstvennykh predpriyatiy Moskhlopravleniya.
(Municipal services--Technological innovations)

NIKOLAYEV, G.V., insh.

My answer to S.N.Puke. Energomashinostroenie.9 no.4:45 Ap '63. (MIRA 16:5)

(Heat-Transmission)
(Condensers (Steam))

BLINOV, K.A., kand.tekhn.nauk; NIKOLAYEV, G.V., insh.; POLYANSKIY, N.I., insh.

Deaerating bubbling system of a condenser. Energomashinostroenie 9 no.1:23-25 Ja '63. (MIRA 16:3)
(Boilers) (Feed-water purification)

KOROBITSIN, V.G., nauchnyy sotrudnik; ARAKELYAN, A.O., kand. sel'skokhoz. nauk; NIKOLAYEV, G.V., student; SEMAKOV, V.V., nauchnyy sotrudnik; YEPANESHNIKOV, I.B., entomolog

Brief information. Zashch. rast. ot vred. i bol. 9 no.6: 46-49 '64. (MIRA 17:12)

1. Nikitskiy botanicheskiy sad (for Korobitsin). 2. Institut vinogradarstva, vinodeliya i plodovodstva, Yerevan (for Arakelyan). 3. Kazakhskiy universitet, Alma-Ata (for Nikolayev). 4. Kamchatskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Semakov).

L 5360-66 ETP(b)/EWT(1)/EWA(h)/ETC(m) WW

ACC NR: AP5026109 SOURCE CODE: UR/0119/65/000/010/0018/0020

AUTHOR: Nikolayev, G. V. (Engr.); Rukhadze, V. A. (Engr.); Shapiro, E. I. (Engr.)

ORG: none

TITLE: Prospects for development of the standardized GSP-URS sensor system

SOURCE: Priborostroyeniye, no. 10, 1965, 18-20

TOPIC TAGS: sensor, transducer

ABSTRACT: A number of (GSP-URS) standardized modular industrial sensors are being developed. The standard sensors will measure the following physical quantities: pressure, pressure drop, rate-of-flow, level, temperature, gas or liquid density, viscosity, rpm, displacement, and force. All sensing elements have force as their output. Planned measuring ranges of some sensors are given, as well as pictures of laboratory models or prototypes. The development of 0--50 g and 0--50 kg force sensors, 0--500 and 0--4000 rpm sensors, 0--1000 and 10000 kg/cm² pressure sensors, 0--10 and 0--25 kg/cm² differential manometers, -50+300 no-mercury thermometers, etc. is expected. Possible sensor applications are discussed. Orig. art. has: 5 figures and 1 table. UDC: 62.525:621.3.083.6

SUB CODE: IE/ SUBM DATE: 00/ ORIG REF: 000/ OTH REF: 000

Card 1/1

ACC NR: AP6025289 (A) SOURCE CODE: UR/0119/66/000/007/0028/0031

AUTHOR: Nikolayev, G. V. (Engineer); Shapiro, E. T. (Engineer)

ORG: none

TITLE: New system of measuring transducers

SOURCE: Priborostroyeniye, no. 7, 1966, 28-31

TOPIC TAGS: measuring transducer, signal transducer, electronic equipment, electronic measurement

ABSTRACT: A new West-German (GST Company) system of measuring transducers is described. The system comprises 20 types of ME transducers with 0—5, 0—20, or 0—50-ma output. The current output can be transformed into pneumatic output by means of a special electropneumatic PE transducer; hence, 20 types of MP pneumatic transducers are obtainable. Design features and technical data of the above transducers are reported. Their advantages (wide applicability, standardized output, three current ranges, optional pneumatic output) and disadvantages (no high-resistance-input transducer, high temperature error — 0.5% per 10C) are noted. Orig. art. has: 7 figures.

SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 002

Card 1/1

NIKOLAYEV, G. Ya.

NIKOLAYEV, G. Ya.: "On the distribution of stresses and the nature of disturbance of overhead ore blocks". Leningrad, 1955. Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. (Dissertation for the Degree of Candidate of TECHNICAL Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

POTAPOV, Valeriy Rafailovich, inzh.; NIKOLAYEV, Igor' Antoni'yevich, inzh.
KURDIN, Viktor Petrovich, insh.

Use of an electron-beam tube for shaping number images.
Izv. vys. ucheb. zav.; elektromekh. 4 no.11:87-91 '61.
(MIRA 14:12)

1. Vychislitel'nyy tsentr Rostovskogo gosudarstvennogo
universiteta.

(Cathode ray oscillograph)
(Electron beams)

NIKOLAYEV, Igor' Anatol'yevich, insh.

Some methods of simulating systems of linear algebraic equations with an arbitrary matrix using analog computers. Izv. vys. uchebn. zav.; elektromekh. 5 no.11:1296-1300 '62. (MIRA 16:1)

1. Vychislitel'nyy tsentr Rostovskogo gosudarstvennogo universiteta.

(Electronic analog computers)
(Linear equations)

CHILOV, K.; NIKOLAYEV, I.

Pulmonary cancer in Bulgaria. Izv.Inst.sots.med.,Sofia Vol.2:116-189 1950. (CIML 20:6)

1. Prof.Dr.,K.Chilov, Corresponding Member of the Bulgarian Academy of Sciences and Director of the First Internal Clinic of the Medical Academy. 2. Dr.Igor Nikolayev, Junior Scientific Associate at the Institute of Social Medicine of the Bulgarian Academy of Sciences.

NIKOLAYEV, I.A.

Incidence of primary pulmonary carcinoma in Bulgaria. Izv. Med. inst., Sofia 4-5:119-168 1951. (CLML 22:3)

1. Doctor, Junior Scientific Associate. 2. Section for Internal Diseases (Head — K. Chilov, Corresponding Member) of the Institute for Clinical and Social Medicine of the Bulgarian Academy of Sciences.

NIKOLAEV, I.A.

Diagnosis of pulmonary cancer by means of examination of tumoral tissue. Izv. nauch. inst., Sofia 1 no. 6-7:165-177 1952. (EMAL 24:2)

1. Doctor, Junior Scientific Associate of the Bulgarian Academy of Sciences. 2. Section of Internal Diseases (Head -- Corresponding Member K. Chilov) of the Institute of Clinical and Social Medicine of the Bulgarian Academy of Sciences.

PENCHEV, Ivan G., prof., direktor na II Vutreshna klinika na ISUL;
NIKOLAEV, Igor A., d-r, st. nauchen sutrudnik

Distribution of diabetes in Bulgaria. Izv. med. inst., Sofia
Vol. 9-10:233-255 1954.

1. Institut za Klinichna i Obshchestvena Meditsina (Direktor: Akad. Tsv. Kristanov) pri BAN, Sektsiia za Vutreshni Bolesti (Zav.: Chl.-Korresp. K.Chilov) i II Vutreshna Klinika e Endokrinologiia i Obmiana na Veshchestvata (Dir.: prof. Iv.Penchev) pri ISUL.
(DIABETES MELLITUS, statistics,
Bulgaria)

NIKOLAEV, Igor, A., D-r.

Clinical importance of the microsmethod of erythrocyte sedimentation introduced by Shedshielov - Kalaidshiev - Boichev. Izv. Mikrob. inst., Sofia no.8:143-177 1957.

1. Sektsiia za vutreshni bolesti (nav.: Chl. -kor. Prof. K. Chilov za instituta za klinichna i obshchestvena meditsina (dir.: akad. Tsv. Kristanov) pri BAN.

(BLOOD SEDIMENTATION, determ.
microsmethod (Bul))

NENKOV, K., dots.; NIKOLAEV, Ig.; ALEKSANDROV, TSv. Sp.

Contribution to the problem of endemic goiter in Bulgaria. 2 On endemic goiter in the Lukovit Region. Izv. inst. klin. obsht. med. 4: 297-307 '60.

(GOITER statist)

NIKOLAEV, Ig.

Contribution to the study on hypopituitarism (Sheehan syndrome) in Bulgaria. Izv. inst. klin. obsht. med. 4:309-322 '60.

(PITUITARY GLAND dis)

NIKOLAEV, Ig. A.

Contribution to the problem of endemic thyropathies in Bulgaria.
3. Endemic thyropathies among female students in the Belograd Region.
Izv. inst. klin. ekspt. med. 4:449-452 '60.

(GOITER statist)

NIKOLAYEV, I.A.

New symptom in spondylosarthrosis. Sov.med. 26 no.1:115-116 Ja '63. (MIRA 16:4)

1. Iz kliniki professional'nykh bolezney (zav. - prof. Kh.Khadzhiolov) kafedry gigiyeny (zav. - prof. L.Tsvetkov) Meditsinskogo instituta, Sofiya.
(SPINE--DISEASES)

ACC NR: AM0027473 SOURCE CODE: UR/0044/66/000/005/V043/V044

AUTHOR: Klochkov, G. D.; Nikolayev, I. A.; Puzyrevskiy, V. F.; Simonovich, I. V.

TITLE: A specialized digital computer

SOURCE: Ref. zh. Matematika, Abs. 5V311

REF SOURCE: Sb. Vopr. vychisl. matem. i vychisl. tekhn. Rostov-na-Donu, Rostovsk. un-t, 1965, 136-142

TOPIC TAGS: digital computer, algebraic equation, linear equation, special purpose computer, computer design

ABSTRACT: A specialized digital computer developed by the RGU computer center and designed for solution of the following system of linear algebraic equations

$$\sum_{\substack{i=1\\ i\neq j}}^{4} [y_{ij}x_i-(z_i-y_{ij})]=0, \qquad \sum_{i=1}^{4} x_i=1. \tag{1}$$

is described. In this system, x_i ($i = 1,2,3,4$), independent weighing concentration; z_i ($i = 1,2,3,4$), assigned parameters; y_{ij} ($i,j = 1,2,3,4$), coefficients obtained as solutions of the following system of linear algebraic equations:

$$\sum_{i=1}^{4} y_{ij}x_{ij}=z_jx_{ij} \quad (j=1,2,3,4,5). \tag{2}$$

ACC NR: AR6027478

$$\sum_{i=1}^{4} y_{0i}x_{ij} = z_0 j x_{0j} \quad (j = 1,2,3,4,5). \tag{3}$$

$$\sum_{i=1}^{4} y_{0i}x_{ij} = z_0 j x_{0j} \quad (j = 1,2,3,4,5). \tag{4}$$

$$\sum_{i=1}^{4} y_{0i}x_{ij} = z_0 j x_{0j} \quad (j = 1,2,3,4,5). \tag{5}$$

Equation systems (1), (2), (3), (4), and (5) are overdetermined and of the same kind. The method of least squares is used to reduce them to normal. The normalized equation systems obtained are solved with the compact Gauss scheme. The article presents the bit circuit of the internal memory cell consisting of 23 bits, the operational scheme of the 7-operation specialized digital computer, and a block diagram of the wired-in program. The computer block diagram consists of input and output units, memory devices, and a computer control system. All the devices are based on three typical electronic circuits: triggers, driver amplifiers, and gates. All the electronic circuits are designed to incorporate semiconductor and ferrite elements. [Translation of abstract] V. Slekperov

SUB CODE: 09, 12

ACC NR: AR6025105 SOURCE CODE: UR/0372/66/000/005/V043, 044

AUTHOR: Klochkov, G. D.; Nikolayev, I. A.; Puzyrevskiy, V. F.; Simonovich, I. V.

TITLE: A special purpose digital computer

SOURCE: Ref. zh. Kibernetika, Abs. 5V311

REF SOURCE: Sb. Vopr. vychisl. matem. i vychisl. tekhn. Rostov-na-Donu, Rostovsk. un-t, 1965, 136-142

TOPIC TAGS: digital computer, special purpose computer, computer design

ABSTRACT: A special-purpose digital computer is described which is intended for the multiple solution of the following system of linear algebraic equations

$$\sum_{j=1}^{4} [y_{ij}x_j - (z_i - y_{ij})] = 0, \quad \sum_{i=1}^{4} x_i = 1. \qquad (1)$$

In this system x_i (i=1,2,3,4) are the unknown weight concentrations; z_i (i=1,2,3,4) are the given parameters; y_{ij} (i,j=1,2,3,4) are the coefficients obtained as solutions of the following systems of linear algebraic equations:

$$\sum_{i=1}^{4} y_{ij}x_{ij} = z_i x_{ij} \cdot (j=1,2,3,4,5). \qquad (2)$$

Card 1/2 UDC: 681.142.001.3:51

ACC NR: AR6028108

$$\sum_{i=1}^{4} y_{ci} x_{ij} = z_c \mu_{cj} \quad (j=1,2,3,4,5), \tag{3}$$

$$\sum_{i=1}^{4} y_{ci} x_{ij} = z_{cy} \mu_{cj} \quad (j=1,2,3,4,5), \tag{4}$$

$$\sum_{i=1}^{4} y_{ci} x_{ij} = z_{cy} \mu_{cj} \quad (j=1,2,3,4,5). \tag{5}$$

Systems (1), (2), (3), (4), (5) are overdetermined and are of the same kind. They are reduced to the normal form by the least-squares method. The systems of normal equations thus obtained are solved by the compact Gauss method. The worth length of an immediate-across memory cell consisting of 28 characters is given. Transistor-magnetic flip-flop, driver amplifier, and gated circuits are used in all computer components. [Translation of abstract] V. Alekperov

SUB CODE: 09

Card 2/2

DOVGANOVSKIY, N.P.; KLOCHKOV, G.D.; NIKOLAYEV, I.A.; SINEL'NIKOV, D.Ye.; YATSENKO, M.I.

Application of electronic computers in the calculation of transient and steady processes in some types of electric circuits. Trudy RIIZHT no.44:201-215 '64.

(MIRA 19:1)

NIKOLAYEV, I.D.

H story of the bauxite formation in the western margin of the Turgay trough. Sov. geol. 7 no.7:122-127 Jl '64. (MIRA 17:11)

1. Stepnaya geologorazvedochnaya ekspeditsiya Severo-Kazakhstanskogo geologicheskogo upravleniya.

NIKOLAYEV, I.F.; SIMELOBOV, M.A.; SUKHOV, G.V.; TIMOFEYEV, M.P.; TOBURDANOVSKIY, A.N.

Method of tree tapping with sulfuric acid and a simultaneous blasing of streaks. Gidrolis.i lesokhim.prom. 12 no.6:11 '59. (MIRA 13:2)

(Tree tapping)

NIKOLAYEV, I.P.

OFFENGENDEN, Samuil Rafailevich, kandidat tekhnicheskikh nauk; PAMADIADI, A.D., kandidat sel'skokhozyaystvennykh nauk; TROMBACHEV, S.P., inzhener, [deceased]; YAKUSHIN, M.I., inzhener; KRUGLIKOVSKIY, N.D. kandidat sel'skokhozyaystvennykh nauk; KAGAN, G.S., inzhener; NIKOLAYEV, I.P., inzhener; TEUBACHEVA, Ye.G., kul'turtekhnik; SHKLYAREVSKIY, A.I., redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor.

[Operation of irrigation and drainage systems] Ekspluatatsiia gidromeliorativnykh sistem. Pod red. S.R. Offengendena. Moskva, Gos. izd-ve sel'khoz. lit-ry, 1956. 535 p. (MLRA 10:6)
(Irrigation) (Drainage)

NIKOLAYEV, I.G., inzh.; SERGEYEV, V.N., inzh.

Eliminating the defects in the operation of the VPT-25-3 turbine. Energetik 8 no.6:19-20 Je '60. (MIRA 13:7)
(Steam turbines--Maintenance and repair)

NIKOLAYEV, I.G., inzh.

Prevention of water from getting into the oil of AP-25-1 turbines. Elek. sta. 32 no. 5:80-81 My '61. (MIRA 14:5)
(Steam turbines)

NIKOLAYEV, I.G., inzh.

Change in the location for attaching the disks of the return valves in circulating pumps. Elek. sta. 32 no.7:78 Jl '61. (MIRA 14:10)

(Electric power plants--Equipment and supplies)
(Pumping machinery)

NIKOLAYEV, I.G., insh.

Conversion of trickling and pellicular coolers to sprinkling-pellicular ones. Elek. sta. 33 no.4:80-82 Ap '62. (MIRA 15:7)
(Electric power plants--Water supply)

NIKOLAYEV, I.O., insh.

Improvement in the operation of the MSO-200 clutch manufactured by the "Elektrosila" factory. Elek. sta. 33 no.5:79 My '62. (MIRA 15:7)

(Turbogenerators)

NIKOLAYEV, I.G., inzh.

Reservation of a section of a turbine condenser cluster for air cooling. Elek. sta. 33 no.8:72-73 Ag '62. (MIRA 15:8)
(Steam turbines)

NIKOLAYEV, I.I.

Treating some skin diseases with bile. Vest.derm.i ven. 33 no.5: 88-89 S-O '59. (MIRA 13:2)

1. Iz Beletserkovskogo kozhno-venerologicheskogo dispansera.
(BILE) (SKIN--DISEASES)

SOKOLOV, N.P.; NIKOLAYEV, I.I.; ARSHANSKAYA, E.D.; MESTEROV, A.V.

Preliminary data on the effect of copper sulfate on the larvae of Anopheles and the algal pellicle of rice fields. Trudy Gidrobiol. ob-va 12:55-59 '62. (MIRA 15:12)

1. Kafedra biologii Andizhanskogo gosudarstvennogo meditsinskogo instituta, Andizhan, UzSSR.
(Copper sulfate)
(Mosquitoes—Extermination)
(Algae)

[illegible], [illegible]

"The Advance of the Warm Water and Salt Water Elements of Flora and Fauna in the Inner (Eastern) Baltic," Dok. AN, 68, No. 2, 1949. Mor., Latvian Div., All-Union Sci. Res. Inst. Sea Fishing Ind. & Oceanography, Riga. -c1949-.

NIKOLAYEV, I. I.

Baltic Sea - Plankton

Arctic aggregate in Baltic Sea phytoplankton. Trudy Gidrobiol.obshch. No. 3, 1951.

9. Monthly List of Russian Accessions, Library of Congress, November 1952, Uncl.

1. NIKOLAYEV, I. I.

2. USSR (600)

4. Baltic Sea - Codfish

7. Catching sprat and cod in the Baltic Sea with a trawl net. Ryb. khoz 28 no. 9, 1952

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

NIKOLAYEV, I I.

USSR 600

Plankton.

Daily migrations of water organisms. Priroda 41, No 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

NIKOLAYEV, I.I.

Meteorology and the fishing industry. Vop.ikht. no.2:46-56 '54. (MIRA 8:5)

1. Latviyskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Weather--Mental and physical effects) (Fishes--Physiology)

NIKOLAYEV, I.I.

Depth of distribution of the herring Clupea harengus membras L. in the Baltic Sea. Zool.zhur. 33 no.3:640-652 My-Je '54.(MLRA 7:7)

1. Latviyskoye otdeleniye Vsesoyuznogo nauchnogo instituta rybolovstva i okeanografii.
(Baltic Sea--Herring) (Herring--Baltic Sea)

NIKOLAYEV, I.I.

NIKOLAYEV, I.I.

Drift movements of large populations of pelagic fish. Vop.ikht. no.3:213-222 '55. (MLRA 8:11)

1. Latviyskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii (Riga, Gulf of--Fishes)

B.

USSR/General Biology - General Hydrobiology.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94720

Author : Nikolayev, I.I., Kriyevs, Kh.K.

Inst : Latvian Department, All-Union Scientific-Research Fishery Department.

Title : Productivity and Conditions of Development of Plankton in the Central Baltic and in the Riga Bay in 1955-1956.

Orig Pub : Tr. Latv. otd. VNIRO, 1957, vyp. 2, 39-81

Abstract : The production dynamics were studied of feeding species of plankton and nektoplankton which are the resource of the most important commercial fishes in the Baltic - Baltic herring and sprat, as well as the significance of the given factors for natural fluctuations in productivity of the fish indicated. The influence is examined on the productivity of plankton of various hydrometeorological

Card 1/2

B.

USSR/General Biology - General Hydrobiology.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94719

Author : Nikolayev, I.I.

Inst : Latvian Department, All-Union Scientific-Research, Fishery Department.

Title : Biological Seasons in the Baltic Sea.

Orig Pub : Tr. Latv. otd. VNIRO, 1957, vyp. 2, 115-140

Abstract : A detailed scheme is given of biological seasons in the Baltic Sea. In plankton the biological seasons stand out especially clearly owing to the clear demarcation during development of two of the most characteristic biological compounds: cold sea water (arctic relict) and fresh-salt comparatively warm water. Mass development of the first compound is observed in spring in April-May which supplies plankton to the whole Baltic, at this time as the natural

Card 1/2

NIKOLAYEV, I.I., kand.biol.nauk

Fluctuations in Baltic sprat stocks as related to variations in plankton productivity during a period of many years [with summary in English]. Trudy VNIRO 34:133-153 '58. (MIRA 11:9)

1.Latviyskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Baltic Sea--Sprats) (Baltic Sea region--Smelts)
(Zooplankton)

NIKOLAYEV, I. I., Doc Biol Sci -- (diss) "Plankton and fish productivity of the Baltic Sea." Riga, 1960. 56 pp; (Inst of Oceanology of the Academy of Sciences USSR, Scientific Research Inst of Fishing Management, Council of the National Economy Latvian SSR); 300 copies; list of authors' works at end of text (42 entries); (KL, 30-60, 137)

NIKOLAYEV, I.I., kand.biolog. nauk

Daily vertical migrations of some crustaceans in the Baltic Sea. Trudy VNIRO 42:61-74 '60. (MIRA 13:9)
(Baltic Sea--Crustacea)

NIKOLAYEV, I.I.

Some general features of the distribution and biology of animal and plant species occurring in large masses in the Baltic Sea as related to its hydrological characteristics. Okeanologiia 1 no.6: 1046-1058 '61. (MIRA 15:1)

1. Nauchno-issledovatel'skiy institut rybnogo khozyaystva, Riga.
(Baltic Sea--Marine biology)

NIKOLAYEV, I.I.

Brief quantitative characteristics of plankton in the Baltic Sea; according to the results of research in 1947-1959. Trudy BaltNIRO no.7:78-98 '61. (MIRA 15:2)

(Baltic Sea--Plankton)

NIKOLAYEV, I.I.

Plankton as a factor determining the distribution and productivity of plankton-eating fishes in the Baltic Sea. Trudy sov. Ikht. kom. no.13:364-373 '61. (MIRA 14:8)

1. Institut ikhtiologii i rybnogo khozyaystva Sovnarkhoza Latviyskoy SSR.
(Herring) (Sprats) (Baltic Sea--Plankton)

MALIKOVA, Ye.M., kand. biol.nauk, otv. red.; LISHEV, M.N., kand. biol. nauk, red.; NIKOLAYEV, I.I., kand. biol. nauk; VEVERAMEVICH, A., red.; BYTAR, A., tekhn. red.

[Conference of young specialists]Trudy konferentsii molodykh spetsialistov. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1962. 196 p. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut rybnogo khozyaystva. Konferentsiya molodykh spetsialistov.
(Latvia--Fisheries) (Latvia--Fish culture)

NIKOLAYEV, I.I.

New inhabitants in the fauna and flora of the North Sea and the Baltic. Zool. zhur. 42 no.1:20-27 '63. (MIRA 16:5)

1. Research Institut of Fishery Management, Council of People's Economy of the Latvian S.S.R., Riga.
(North Sea—Marine biology) (Baltic Sea—Marine biology)

NIKOLAYEV, I.I., otv. red.; IOFOV, Ye.A., otv. red.

[Lakes of the Karelian Isthmus; limnology and research methods] Ozera Karel'skogo peresheika; limnologiia i metodika issledovanii. Moskva, Nauka, 1964. 158 p. (MIRA 17:9)

1. Leningrad. Universitet. Laboratoriya ozerovedeniya.

NIKOLAYEV, I.I., kandidat tekhnicheskikh nauk.

Experience with suction dredges in removing silt from irrigation canals. Gidr. i mel. 8 no.11:36-41 N '56. (MLRA 10:4)
(Irrigation canals and flumes) (Dredging)

NIKOLAYEV, I.I.

[Earthwork in the construction of irrigation systems] Zemlianye raboty pri stroitel'stve oroshitel'nykh sistem. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 1957. 119 p. (Nauchno-issledovatel'skii institut organizatsii i mekhanizatsii stroitel'stva. Sbornyy komplekssnoi mekhanizatsii stroitel'nykh rabot. no.2, pt.4) (MIRA 12:1)
(Earthwork) (Irrigation canals and flumes)

NIKOLAYEV, I.I., kandidat tekhnicheskikh nauk.

Excavator with a bucket of 46 cubic meter capacity. Mekh. trud. rab. 11 no.2:46 F '57. (MLRA 10:5)
(Excavating machinery)

NIKOLAYEV, I.I., kand.tekhn.nauk

Sawing prestressed concrete slabs in Tashkent. Bet.i zhel.-bet. no.6:374-375 Je '61. (MIRA 14:7)
(Tashkent—Concrete slabs) (Cutting machines)

NIKOLAIEV, I.I., kand.tekhn.nauk; LASHCHIVER, F.M., insh.

Electric heating of reinforced concrete products at construction sites. Bet. i zhel.-bet. 8 no.2:77-79 F '62. (MIRA 16:5)
(Precast concrete)

NIKOLAYEV, I. I. and KESTNER, Ye. G.

"Experimental Studies on Locomotives," Moscow-Leningrad, 1933

NIKOLAYEV, I. I.

"Problems of Designing Locomotives" from the book Comprehensive Modernization and Modern Methods of Designing Locomotives, Moscow, 1945

USSR/Locomotives May/Jun 1946
Railroads - Rolling stock

"New Types of Locomotives," I. I. Nikolayev, General-Director of Traction 2d Rank and Chief Engineer, Central Administration of Locomotives, MPS

"Zheleznodorozhnyy Transport" No 5/6

A lecture given before the Scientific-Technical Council of the Ministry of Railroad Communications on projected 1-5-2 and 2-5-1 locomotives. Summary of discussion.

10893

NIKOLAEV, Ivan Ivanovich, 1893-

The dynamics and steam distribution of locomotives Redaktor N. A. Cherepanskiin Moskva, Gos. Transp. zhel-dor. izd-vo, 1949. 239 p. (52-24344)

TJ605.N53

NIKOLAYEV, I. I.

30462

Graficheskiy raschyet parovykh kotlov zarotrubnymi pyeregrevatelyami. Trudy mosk. elektromekhan. in-ta inzhenerov Z.-D. transporta im dzyerzinskogo, vyp. 59, 1949, S. 131-207.

SO: Letopis' No. 34

NIKOLAEV, IVAN IVANOVICH and A. P. TRETIAKOV

Podvizhnoi sostav i tiaga poezdov. Dop. v kachestve uchebn. posobiia dlia in-tov shel-dor. transporta ekspluatatsionnoi spetsial'nosti. Moskva, Transzheldorizdat, 1950. 463 p. diagrs.

Rolling stock and train traction.

DLC: TF685.N5

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

NIKOLAYEV, I. I.

NIKOLAYEV, Ivan Ivanovich, 1893- ; METYESA, V.M., doktor tekhnicheskikh nauk, professor, redaktor.

[Dynamics and steam distribution of locomotives] Dinamika i paroraspredelenie parovoza. Izd.2.,perer. Moskva, Gos.transp. zhel-dor.izd-vo, 1953. 307 p. (MLRA 7:3)

1. Chlen-korrespondent Akademii nauk SSSR(for Nikolayev)
(Locomotives) (Steam engineering)

NIKOLAYEV, I.I., doktor tekhnicheskikh nauk

Improving the circular method of inscribing locomotives in curves. Sbor. trud. Akad. shel. transp. no.2:81-94 '53. (Railroads--Curves and turnouts) (MLRA 8:9)

1. NIKOLAYEV, I.I.; SHVAB, Z.I.

2. USSR (600)

4. Dredging Machinery

7. "Sormovskiy-7" suction dredge in irrigation operations, Z.I. Shvab, Eng. I.I. Nikolayev, Gidr. i mel. 5 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

IVANOV, V.N., professor; NIKOLAYEV, I.I., professor, doktor tekhnicheskikh nauk, retsenzent; [redacted], A.S., inzhener, redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Strength and dynamics of the moving mechanism of locomotives] Prochnost' i dinamika parovozovogo dvizhushchego mekhanizma. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 378 p. (MLRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikolayev)
(Locomotives)

NIKOLAYEV, I.I.

On the calculated coefficient of adhesion and reconstruction of traction characteristics. Sbor.trud.Akad.shel.transp. no.3:5-38 '54. (MLRA 9:8)

1. Chlen-korrespondent AN SSSR.
(Locomotives)

NIKOLAYEV, Ivan Ivanovich; VERNIKA, G.P., tekhnicheskiy redaktor

[Gas turbine locomotives] Gazoturbovozy. Moskva, Gos. transportnoe shel-dor. izd-vo, 1955. 63 p. (MIRA 8:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikolayev).
(Gas turbine locomotives)

NIKOLAYEV, Ivan Ivanovich, professor, redaktor; MIKHAYLOV, Vladimir Fedorovich, professor; TREF'YAKOV, Aleksandr Petrovich, kandidat tekhnicheskikh nauk; BOCHAROV, Nikolay Filippovich, kandidat tekhnicheskikh nauk; TSELISHCHEV, P.A., inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Rolling stock and locomotives] Podvizhnoi sostav i tiaga.poezdov. Izd. 2-e, perer. Moskva, Gos. transportnoe zhel-dor. izd-vo, 1955. 439 p. (MLRA 8:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikolayev).
(Railroads--Rolling stock) (Locomotives)

NIKOLAYEV, I.I., dokter tekhnicheskikh nauk, professor.

Ways of increasing the power of locomotives. Trudy MIIT no.82/83; 3-45 '55. (MLRA 9:8)

(Locomotives--Performance)

DOBROSEL'SKIY, Konstantin Mikhaylovich, kandidat tekhnicheskikh nauk; NIKOLAYEV, Ivan Ivanovich, doktor tekhnicheskikh nauk; CHERNYSHEV, Mikhail Andreyevich, kandidat tekhnicheskikh nauk; SHILOVSKIY, Viktor Anatol'yevich, kandidat tekhnicheskikh nauk; NIKOLAYEV, I.I., professor, redaktor; PETRAKEEVA, E.E., kandidat tekhnicheskikh nauk, redaktor; VERIKA, G.P., tekhnicheskiy redaktor

[A general railroad course] Obshchii kurs zheleznykh dorog. Pod obshchei red. I.I.Nikolaeva. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 382 p. (MIRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikolaev, I.I., redaktor)
(Railroads--Management)

NIKOLAYEV, I

123-1-1046

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957, Nr 1, p. 156 (USSR)

AUTHOR: Nikolayev, I.

TITLE: Gas-turbine Locomotive (Gazoturbovoz)

PERIODICAL: October, 1956, Nr 6, pp. 145-146

ABSTRACT: Bibliographic entry.

Card 1/1

NIEDLAYEV, I., inshener; SHEREDA, I. inshener.

High-speed conveyer transfer. Mash.ugl. 5 no.7:8-9 Jl '56.
(Donets Basin--Coal handling machinery) (MERA 9:9)

NIKOLAYEV, I.I., professor, doktor tekhnicheskikh nauk.

Prospective use of gas turbine locomotives. Zhel.dor.transp.38 no.12:23-27 D '56. (MLRA 10:2)
(Gas turbine locomotives)

NIKOLAYEV, Ivan Ivanovich; ISLANKINA, T.F., redaktor; GUBIN, M.I., tekhnicheskiy redaktor

[Gas turbine locomotives] Gazoturbovozy. Moskva, Izd-vo "Znanie," 1957. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 4, no.8) (MLRA 10:5)

1. Chlen-korrespondent AN SSSR. (for Nikolayev)
(Gas turbine locomotives)

NIKOLAYEV, I.I., prof.

Over-all modernization of steam locomotives. Zhel.dor.transp. 39 no.9:15-19 S '57. (MIRA 10:10)

1. Chlen-korrespondent AN SSSR.
(Locomotives)

NIKOLAYEV, I.I.

Geometrical inscription of railroad cars on curves. Vest. TSNII MPS [7] no.3:41-42 My '58. (MIRA 11:6)

1.Chlen-korrespondent AN SSSR.
(Railroads--Curves and turnouts)

NIKOLAYEV, I.I., prof.; VEDERNIKOV, A.I., otv. za vypusk; BOBROVA, V.M., tekhn.red.

[Motion of diesel locomotives along curved sections of track; lecture on the discipline of diesel locomotive design and dynamics for the students in the fifth semester of the course on diesel locomotives] Dvizhenie teplovozov po krivym uchastkam puti; lektsiia po distsipline: Konstruktsiia i dinamika lokomotivov (teplovozy) dlia studentov V kursa spetsial'nosti: Teplovozy i teplovoznoe khozaistvo. Moskva, Gos.transp.zhel-dor. izd-vo, 1958. 31 p. (MIRA 13:5)

(Diesel locomotives)

NIKOLAYEV, I.I., prof.; STIKHNO, T.V., tekhn.red.

[Oscillation of diesel locomotives; lecture on the "Construction and dynamics of locomotives (diesels)" for students of the fifth course specializing in "Diesel locomotives, their operation, equipment and maintenance."] Kolebatel'nye dvizheniia teplovozov; lekteiia po disteipline "Konstrukteiia i dinamika lokomotivov" (teplovozy) dlia studentov V kursa spetsial'nosti "Teplovozy i teplovoznoe khoziaistvo." Moskva, Ges.transp.zhel-dor.izd-vo, 1958. 15 p. (MIRA 13:5)

(Diesel locomotives)

NIKOLAYEV, I.I., prof.

What affects locomotive derailment? Elek. i tepl. tiaga 3 no.3:40-41 Mr '59. (MIRA 12:5)
(Railroads--Accidents) (Locomotives--Dynamics)

NIKOLAYEV, I.I., prof.; VELEKRUNKOV, otv.za vypusk; BORROVA, Ye.N., tekhn.red.

[Gas-turbine locomotives; lecture on "Construction and dynamics of locomotives (diesel)" for students of the fifth course specializing in "Diesel locomotives, their operation, equipment and maintenance"] Gazoturbovozy; lektsiia po distsipline "Konstruktsiia i dinamika lokomotivov (teplovozy)" dlia studentov V kursa spetsial'nosti "Teplovozy i teplovozno khoziaistvo." Moskva, Gos.transp.zhel-dor.izd-vo, 1958. 48 p. (MIRA 13:5)
(Gas-turbine locomotives)

NIKOLAYEV, I.I., prof.

Auxiliary problems solved geometrically by inscribing in curves.
Vest.TSNII MPS 19 no.1:48-50 '60. (MIRA 13:4)

1. Chlen-korrespondent AN SSSR.
(Railroads--Curves and turnovers)
(Railroads--Rolling stock)

NIKOLAYEV, Ivan Ivanovich; SLITIKOV, P.A., prof., retsenzent; LISOVENKO, S.I., dots., retsenzent; KHLEBNIKOV, V.N., kand. tekhn. nauk, red.; USENKO, L.A., tekhn. red.

[Locomotive dynamics]Dinamika lokomotivov. Moskva, Transzheldorizdat, 1962. 318 p. (MIRA 16:1)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikolayev).
(Locomotives--Dynamics)

NIKOLAYEV, I.I., insh.

Automatic control system of a six-axle d.c. locomotive. Trudy MIIT no.144:187-196 '62. (MIRA 15:10)
(Automatic control) (Electric locomotives)

NIKOLAY N, I. N., Eng.,

Dams

"Dam and spillway of a diversion hydroelectric power station of medium capacity." Gidr. Stroi. 21 no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952. ~~1953~~, Uncl.

SOV-98-58-10-8/16

AUTHORS: Vavilov, A.S., Candidate of Technical Sciences, Nikolayev, I.K. and Pak, I.D., Engineers

TITLE: The Construction of a Derivation Canal in Shifting Ground (Stroitel'stvo derivatsionnogo kanala v oplyvayushchikh gruntakh)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 10, pp 30-33, (USSR)

ABSTRACT: The authors describe the construction process of a derivation canal, built as a part of the Nizhniy Bozsu Hydroelectric Power Plant near Tashkent. The topographic and hydrographic situation of this canal were very unfavorable. The geological structure of the canal consisted of Quaternary deposits, represented by loess-like clayey soils, overlaying the eroded surface of basic rock, marl and sandstone. The depth of subsurface water varied in limits of 2 - 3 to 0.5 - 1.00 m. E-1004 excavator and ESh-1 walking excavator were used in the excavation. The excavation work was stopped after reaching 1 - 1.5 m below the subsurface water horizon, due to a shifting of the ground. The following re-

Card 1/2

NIKOLAYEV, I.K., podpolkovnik

Organization and composition of the U.S.Marine Corps. Mor. sbor. 47 no.12:76-83 D '63. (MIRA 18:12)

MIRONOV, N.P., prof.; KARTUZIDI, K.S.; KLIMENKO, I.Z.; KOLESNIKOV, I.M.; LISITSYN, A.A.; NEL'ZINA, Ye.N.; SHIRANOVICH, F.I.; SHIKYAYEV, D.T.; YAKOVLEV, M.G.; NIKOLAYEV, I.M., red.

[Sources and carriers of plague and tularemia] Istochniki i perenoschiki chumy i tuliaremii. Moskva, Meditsina, 1965. 194 p. (MIRA 18:4)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut (for all except Nikolayev).

NIKOLAYEV, I. N.

Nikolayev, I. N.

"The content and working methods of directors, teachers, and class leaders of schools with practicing students." Moscow City Pedagogical Inst imeni V. P. Potemkin. Moscow, 1956. (Dissertation for the Degree of Candidate in Pedagogical Science)

So: Knizhnaya letopis', No. 25, 1956

1. NIKOLAYEV, I. N.

2. USSR (600)

4. Solar System--Study and Teaching

7. Geography lessons in a darkened room. Geog. v shkole no. 6 1952.

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

NIKOLAYEV, I.N.

Echinococcus of the uterus. Kaz.med.zhur. 40 no.1:76-77 Ja-F '59. (MIRA 12:10)

1. Iz Cheboksarskoy ginekologicheskoy bol'nitsy (glavvrach - I.N.Nikolayev).
(UTERUS--HYDATIDS)