BARANOVSKIY, V.I.; NIKITIN, M.K.

Ion exchange in HF solutions. Non-ion exchange sorption of hydrofluoric acid by ion exchangers. Koll.zhur. 26 no.2:153-155 Mr-Ap '64. (MIRA 17:4)

1. Leningradskiy universitet imeni Zhdanova.

ACCESSION NR: AP4010294 S/0048/64/028/001/0072/0075

AUTHOR: Rogachev, I.M.; Nikitin, M.K.

TITLE: Conversion electron spectrum of the Pd fraction /from spallation of silver/ (Low energy region). /Report, Thirteenth Annual Conference on Nuclear Spectroscopy held in Kiev 25 Jan to 2 Feb 1963/

SOURCE: AN SSSR. Izvestiya, Seriya fizicheskaya, v.28, no.1, 1964, 72-75

TOPIC TAGS: conversion electron, conversion electron spectrum, palladium isotope, palladium 103, palladium 100, rhodium 103, rhodium 100, electron spectrum

ABSTRACT: The study was concerned with the low-energy part (up to 100 keV) of the conversion electron spectrum of the Pd fraction separated chemically from a silver target bombarded with 660-MeV protons on the synchrocyclotron of the OIYaI (Joint Institute for Nuclear Research at Dubna). The Pd activity was deposited on a tantalum plate and then transferred by thermal evaporation under high vacuum onto a lightly aluminized mica sheet 2 microns thick. The spectrum was recorded by means of a magnetic lens β-spectrometer with intermediate acceleration. The measurements were started two days after separation of the Pd fraction. The electrons were de-

ACC. NR: AP4010294

tected by a Geiger counter. In all, 12 lines were observed; none of these increased in intensity with time. The decay periods are grouped about two values: 4.-5.2 days and 18 days. The lines with $T_{1/2}$ = 18 days are associated with the decay of Pd^{103} (conversion of the 39.6-keV transition in Rh^{103}). Some of the other conversion lines are tentatively attributed to the decay of Pd^{100} and Rh^{100}. Orig.art.has: 2 tables and 2 figures.

ASSOCIATION: none

SUBMITTED: 00	DATE ACQ: 10Feb64	ENCL: 00
SUB CODE: NS	NR REF SOV: 003	OTHER: 002

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137010010-7"

ACCESSION NR: AP4031184 S/0056/64/046/004/1490/1492

AUTHOR: Anton'yeva, N. M.; Nikitin, M. K.; Smirnov, V. B.

TITLE: Emission of Pd^{100}

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 4, 1964, 1490-1492

TOPIC TAGS: palladium-100, palladium-100 emission, palladium-100 γ spectrum, palladium-100 decay scheme, conversion electron spectrum, γγ coincidences, transition energies

ABSTRACT: The emission of radioactive Pd^{100} was investigated with a "ketron" type magnetic spectrometer, scintillation γ spectrometers, and a total-absorption γ spectrometer. To interpret the observed activity, the accumulation and decay of the 238 keV line belonging to the daughter isotope of $Pd^{100}(Ra^{100})$ was measured and the analysis of the curve leads to the conclusion that the activity observed, with a half life 3.7 ± 0.3 days, should be ascribed to Pd^{100}. The intensities of all the observed γ lines agrees with this half line. The sum lines with energies 158, 126, and 84 keV agree with the data of Pd^{100} γγ coincidences. The results were used to compile a level scheme for the decay of Pd^{100}, containing all the observed γ transitions except the one with 452 keV energy. The high K/L ratios for

ACCESSION NR: AP4031184

the most intense γ transitions (74.4 and 83.8 keV) show that these can be of the M1 or E1 type.

ASSOCIATION: Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta (Physics Institute of the Leningrad State University)

SUBMITTED: 26Oct63 DATE ACQ: 07May64 ENCL: 02

SUB CODE: NP NR REF SOV: 000 OTHER: 001

ACCESSION NR: AP4031184

ENCLOSURE: 01

Transition energies, energy difference K - L and K - M, relative intensities of conversion lines and of gamma transitions, and gamma-gamma coincidence results.

1								2
№ пп.	hν, keV	Идентификация	K—L, keV	K—M, keV	K/K$_{84keV}$	K/L	$J_\gamma/J_{\gamma 84keV}$	γ-переходы, совпадающие с данным hν, keV
1	32,4±0,2	K, L, M	L—M = 2,84±0,06	—	—	—	1,8±0,5	—
2	41,9±0,5	K	—	—	—	—	1,5±0,6	—
3	51,7±0,5	K	—	—	—	—	—	—
4	74,4±0,4	K, L, M	20,0±0,2	22,8±0,2	52±8	8,4±0,8	45	84
5	83,8±0,4	K, L, M	19,0±0,2	22,8±0,2	100	9,0±0,9	100	32, 42, 74
6	126,5±0,5	K, L	19,6±0,2	—	1,6±0,2	—	10	32
7	136,1±0,5	K, L	—	—	—	—	1,3	нет

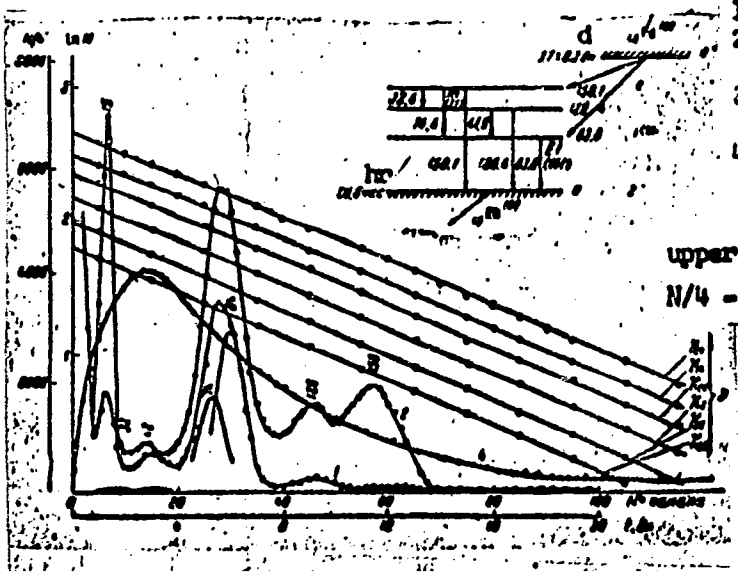
1 - observed lines

2 - γ transitions coinciding with a given hν

The relative intensities $J_\gamma/J_{\gamma 84kV}$ are accurate to within 20%

ENCLOSURE: 02

ACCESSION NR: AP4031184



1 - gamma spectrum of Pd^{100};
2 - gamma spectrum of total absorption of gamma radiation of Pd^{100}.
3 - decrease in gamma line intensity with half-life 3.7 ± 0.3 days
4 - accumulation and decay of 2380 keV gamma line intensity in Rh^{100};

upper right - proposed Pd^{100} decay scheme

N/4 - number of counts in 4 minutes.

channel no.
days

BORODIN, P.M.; NIKITIN, M.K.; SVENTITSKIY, Ye.N.

Structure of electrolytes in the ion-exchange resin phase studied by the nuclear magnetic resonance method. Zhur. strukt. khim. 6 no.2:188-191 Mr-Ap '65. (MIRA 18:7)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

ANTONOVA, N.M.; [illegible]

Study of the [illegible], nucleic [illegible], and [illegible] in [illegible]
no.1:57-60 [illegible]
[illegible]

1. Leningradskiy [illegible] universitet im. A.A. Zhdanova.
2. Chlen-korrespondent [illegible] (for Zakharov).

NIKITIN, M.M., inzh.; BULTYKOV, M.I., inzh.

Constructing an inter-district water supply line in the Kizel coal basin. Stroi. truboprovod. 6 no.8:14-15 Ag '61. (MIRA 14:8)

1. Trest Soyuzshakhtospetsmontazh, Sverdlovsk.
(Kizel basin--Water supply)

SOV/32-24-10-61/70

AUTHOR: Nikitin, M. M.

TITLE: Improved Analyses According to the Combustion Method (Ratsionalizatsiya vypolneniya analizov metodom szhiganiya)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10, pp 1289-1290 (USSR)

ABSTRACT: An apparatus was constructed which makes it possible to seal the porcelain tubes used in determining the carbon and sulfur of metals, as well as in other combustion methods. In this way the analyses are made more simple and the danger of handling them is removed. Little tubes of elliptical cross-section may be used, and the life of the porcelain tubes is prolonged. The apparatus is made of steel; it consists of a support with two fixing rods which are supplied with protective muffles. Two holders are mounted on the support and carry a little basket into which the porcelain tube is placed. The glue No. 88 was used to fix the rubber holders of the drainage. The hermetical sealing of the porcelain tubes is achieved by rubber disks with teeth mounted on either end of the apparatus. A photo and a diagram of the apparatus are given. There are 2 figures.

Card 1/2

SOV/32-24-10-61/70

Rationalizing [illegible] Analyses According to the Combustion Method

ASSOCIATION: Gor'kovskiy avtomobil'nyy zavod (Gor'kiy Automobile Factory)

Card 2/2

5(1)
AUTHOR: Nikitin, M. M. SOV/32-25-3-56/62

TITLE: Universal Viniplast Hopper (Universal'naya viniplastovaya voronka)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 379-380 (USSR)

ABSTRACT: A plastic hopper is described (Fig) which can be used for conveying weighed portions of liquid substances or such which are capable of being strewn. The device in principle consists of a plastic cylinder with a built-in hopper. The hopper opening can be opened and shut by means of a rod-shaped plug. The weighed sample is introduced directly into the cylinder (with closed hopper opening), the cylinder put onto the vessel destined to receive the sample and the plug pulled out, whereupon the substance enters the vessel. A detailed description of the production of the universal hopper is given which also indicates that the plastic used must be polyvinylchloride and is to be welded in hot air of temperatures up to 200°. The gluing is done with a solution of polyvinylchloride in acetone or dichloroethane. There is 1 figure.

Card 1/2

Universal "Viniplast" Hopper SOV/32-25-3-56/62

ASSOCIATION: Gor'kovskiy avtomobil'nyy zavod (Gor'kiy Motor Vehicle Plant)

Card 2/2

5(1)

AUTHOR: Nikitin, M. M. SOV/32-25-3-58/62

TITLE: Collapsible Viniplast Stirring Apparatus (Viniplastovaya skladyvayushchayasya meshalka)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, p 381 (USSR)

ABSTRACT: A collapsible stirring apparatus made of viniplast is described (Fig). The device consists of a hopper designed to serve at the same time as the stopper of a bottle. The hopper is fixed to the top of the bottle. It is fitted with a crank whose axle, on which the blades of the stirring apparatus are mounted, extends into the bottle. By turning the crank the contents of the bottle are agitated. The blades may be folded so that the device may be easily removed from the bottle. There is 1 figure.

ASSOCIATION: Gor'kovskiy avtomobil'nyy zavod (Gor'kiy Motor Vehicle Plant)

Card 1/1

NIKITIN, M.M.

High-latitude aerial expedition of 1957. Probl.Arkt. no.4: 104-108 '58. (MIRA 11:12)
(Arctic Ocean--Oceanographic research)

NIKITIN, M.M.

High-latitude aerial expedition of 1958. **Probl.Arkt.** no.6:132-135 '59. (MIRA 13:6)
(Arctic Ocean--Ice)

NIKITIN, M.M.

High-latitude aerial expedition of 1959. Probl.Arkt.i Antarkt. no.2:125-127 '60. (MIRA 13:6)
(Arctic Ocean--Oceanographic research)

NIKITIN, Makar Makarovich; BELOUSOV, I.M., otv. red.; ISAKOVICH, T.D., red.; SIMKINA, G.S., tekhn. red.

[Soviet drifting research stations] Sovetskie nauchno-issledovatel'skie dreifuiushchie stantsii. Moskva, Izd-vo Akad.nauk SSSR, 1961. 41 p. (MIRA 14:11)
(Arctic regions--Geophysical research)

NIKITIN, M.M.

High-latitude aerial expedition of 1960. Probl.Arkt.i Antarkt. no.7:56-57 '61. (MIRA 14:10)
(Arctic regions--Russian exploration)

DEM'YANOV, N.I.; NIKITIN, M.M.

Deep currents in the Arctic Basin. Trudy AANII 248:42-48 '63.
(MIRA 17:6)

NIKITIN, M.M.; DEM'YANOV, N.I.

Deep currents of the Arctic basin. Okeanologiia 5 no.2:261-263 '65. (MIRA 18:6)

NIKITIN, M.N.

Center-board punt "Colibri." Sudostroenie 27 no.5:34-37 My '61.
(MIRA 14:6)
(Boatbuilding)

NIKITIN, Mikhail Nikolayevich; SHVYDCHENKO, L.I., red.; BOROVINSKAYA, L.M., tekhn. red.

[High yields, inexpensive bread; from the practice of the "TSelinskii"] Bogatye urozhai, deshevyi khleb; iz opyta oporno-pokazatel'nogo ordena Lenina sovkhoza "TSelinskii." Rostov-na-Donu Rostovskoe knizhnoe izd-vo, 1962. 16 p. (MIRA 15:3)

1. Glavnyy agronom semenovodcheskogo sovkhoza "TSelinskiy" TSelinskogo rayona (for Nikitin).
(Rostov Province--Grain)

YAKERSON, Matvey Semenovich; TSYBUL'SKIY, Vladimir Abramovich. Prinimali uchastiye: LABUDIN, I.A.; FEDOROV, Ye.L.; KELLO, I.O.; CHIZHEVSKIY, A.L.; POLENOV, A.N.; NIKITIN, M.N.; IVANOV, I.I.; GEYET, N.V.; FEDOROV, Ye.V.; FEDOSOV, M.G. YEGOROVA, K.I., red.; ONOSHKO, N.G., tekhn.red.

[The "Znamia Truda" Factory; a brief account of the "Znamia Truda" Armature Factory in Leningrad] Znamia truda; kratkii ocherk istorii leningradskogo armaturnogo zavoda "Znamia truda." 1960. 207 p. (MIRA 14:4)

(Leningrad--Factories)

NIKITIN, M.N.

Bilateral dislocation of the hip in conjunction with transtrochanteric fracture of the pelvis. Ortop.travm. i protez. 20 no.7:58-59 Jl '59. (MIRA 12:10)

1. Iz kafedry ortopedii i travmatologii (zav. - prof.L.G.Shkol'nikov) Stalinskogo (Kemerovskoy obl.) instituta usovershenstvovaniya vrachey (dir. - dotsent G.L.Starkov) i travmatologicheskogo otdeleniya (zav. - M.N.Nikitin) Stalinskoy gorodskoy klinicheskoy bol'nitsy No.1 (glavnyy vrach - S.F.Kirin).
(HIP fract. & disloc.)
(PELVIS fract. & disloc.)

NIKITIN, M.N.

Significance of autonomic variants in the development of phalanges of the foot in the diagnosis of their fractures. Ortop.travm.i protez. 21 no.2:60-62 F '60. (MIRA 13:12)
(TOES—FRACTURE)

OSNA, A. I.; NIKITIN, M. N.

Report on the 15th and 16th sessions of the Kuznetsk Basin Society of Traumatologists and Orthopedists. Ortop., travm. i protez. no.12:60-62 '61. (MIRA 15:2)

(KUZNETSK BASIN—ORTHOPEDIC SOCIETIES)

SELIVANOV, V.P. (Novokuznetsk, Kemerovskoy oblasti, prosp. Metallurgov, d.39, kv.130); NIKITIN, M.N.

Treatment of dislocations of the atlas complicated by fracture of the odontoid process of the epistropheus. Ortop., travm. i protez. 24 no.8:23-28 Ag '63. (MIRA 17:1)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G. Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent G.L. Starkov).

NIKITIN, M.N. (Novokuznetsk, Kemerovskoy oblasti, ul. Pirogova, d.14, kv.36)

One-stage fixation of cervical vertebrae dislocations. Ortop., travm. i protez. 24 no.8:42-47 Ag '63. (MIRA 17:1)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G. Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent G.L. Starkov).

SELIVANOV, V.P.; NIKITIN, M.N.

Recurrence of anterior dislocations of the cervical vertebrae. Ortop., travm. i protez. 25 no.6:53 Je '64.

(MIRA 18:3)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G. Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent G.L. Starkov). Adres avtora: Novokuznetsk, Kemerovskoy oblasti, prospekt Stroiteley, d.3, Institut usovershenstvovaniya vrachey.

[illegible], M.N. (Novokuznetsk 11, Kemerovskoy oblasti, ul.[illegible], kv.36)

One of the causes of rotary subluxation of the atlas.
Ortop., travm. i protez. 26 no.4:47-52 Ap '65. (MIRA 18:11)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. L.G. Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent G.L.Starkov).

NIKITIN, M.N. (Novokuznetsk 11, Kemerovskaya oblast', ul. Pirogova, d.14, kv.36)

Comminuted fractures of the atlas. Ortop., travm. i protez. 26 no.12:57-61 D '65. (MIRA 19:1)

1. Iz kafedry travmatologii i ortopedii (zav. -prof. I.G. Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent G.L.Starkov). Submitted May 2?, 1965.

NIKITIN, Mikhail Nikitovich; AKSENOVA, I.I., red.

[Weaving theory based on mathematical principles] Teoriia tkatskikh perepletenii na matematicheskoi osnove. Moskva, Izd-vo "Legkaia industriia," 1964. 451 p. (MIRA 17:6)

NIKITIN, Mikhail Nikitich; ALEShIN, Petr Antonovich; BRONYAKIN, Viktor Petrovich; ISTOMINA, Tat'yana Ivanovna; GREKOV, Andrey Ivanovich; LIOZNOV, A.G., redaktor; FRANTSUZOV, I.K., retsenzent; NEKRASOVA, O.I., tekhnicheskiy redaktor

[Construction, assembly and adjustment of automatic looms ATS-9M and AT-175Sh] Ustroistvo, montazh i naladka avtomaticheskikh tkatskikh stankov ATS-9M i AT-175Sh. Izd.2-oe, perer. i dop. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva tekstil'noi promysh. SSSR, 1955. 211 p. (MIRA 9:3)

(Looms)

NIKITIN, Mikhail Nikitich; KURANOVA, N.V., retsenzent; SEGAL', N.M., red.; KOGAN, V.V., tekhn.red.

[Working principle and operation of machines used in the preparatory processes of wool weaving] Ustroistvo i obsluzhivanie mashin prigotovitel'nogo otdela sherstotkachestva. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1957. 286 p. (MIRA 11:1)

(Woolen and worsted manufacture)

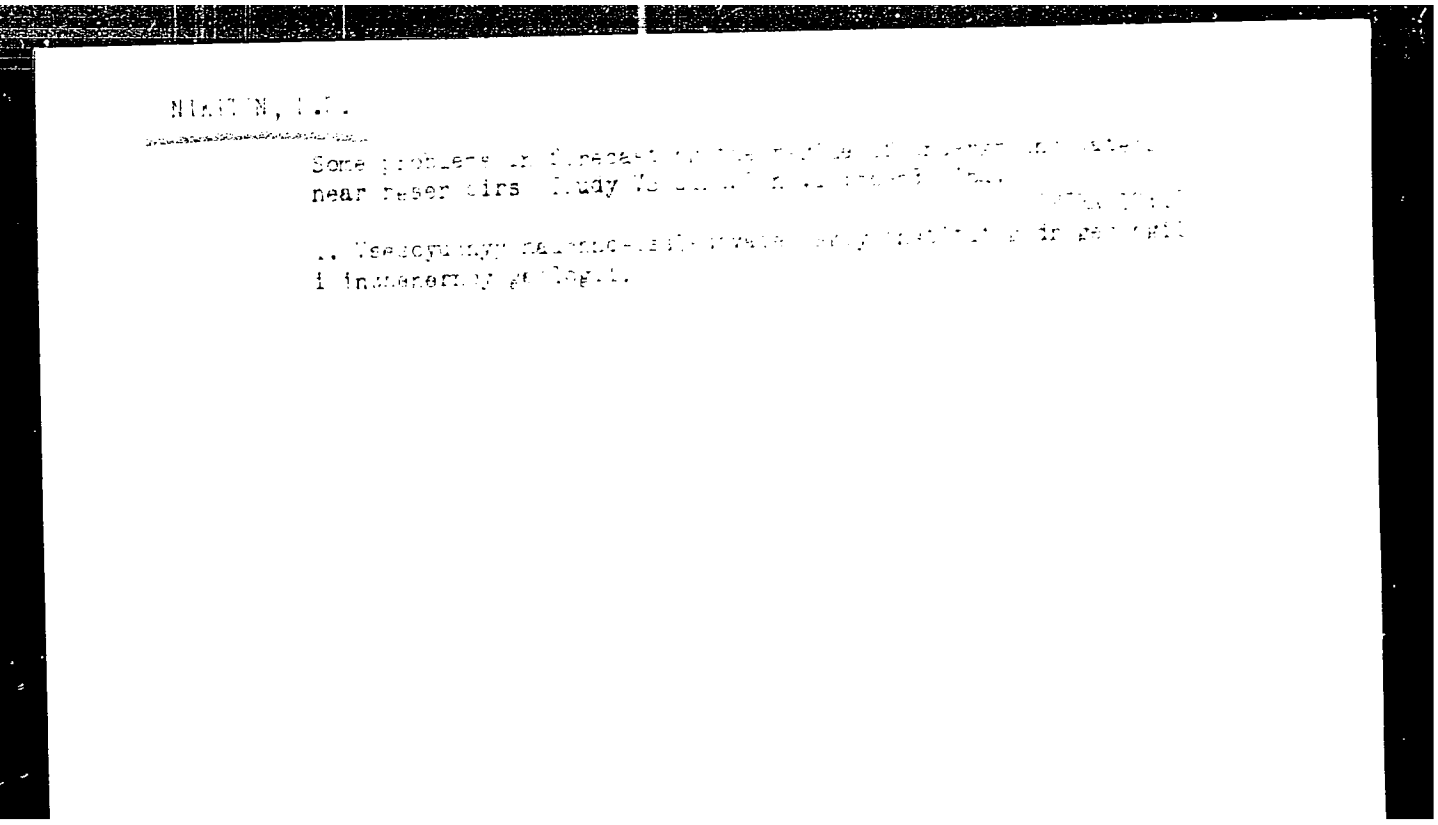
NIKITIN, Mikhail Nikitich;SOKOLOVA, V.Ye., red.; SHAPENKOVA, T.A., tekhn. red.

[Layout and calculations in fabric manufacture] Proektirovanie tkanei. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1961. 212 p. (MIRA 15:1)

(Textile fabrics)

FEDOSENKO, Boris Yefimovich; LISINA, Anna Petrovna; KOZYRENKO, Natal'ya Mikhaylovna; ZLOBNOV, Gennadiy Mikhaylovich; AKIMOV, T.S., kand. tekhn. nauk, retsenzent; ISTOMINA, T.I., retsenzent; NIKITIN, M.N., retsenzent; TYURINA, A.Z., red.

[Mechanical looms for rug and carpet weaving] Mekhanicheskie kovrotkatskie stanki. [By] B.E.Fedosenko i dr. Moskva, Izd-vo "Legkaia industriia," 1964. 323 p. (MIRA 17:6)



NIKITIN, M. R.

Cand Geol-Min Sci - (diss) "Problems of studying the tributary of underground waters from the examples of the Kuybyshevskiy and the Stalingradskiy Reservoirs." Moscow, 1961. 23 pp; (Ministry of Higher and Secondary Specialist Education USSR, Moscow State Univ imeni M. V. Lomonosov, Geology Faculty); 200 copies; price not given; (KL, 6-61 sup, 203)

NIKITIN, M. S.

FA 12/49T31

USSR/Engineering Jul 48
Welding - Method

"The Work of the All-Union Scientific Engineering Technical Association of Welders in 1947," M. S. Nikitin, Sci Sec, All-Union Sci Eng Tech Assoc of Welders, 1½ pp

"Avtogennoye Delo" No 7

Work of the Association is of four kinds: (1) raising qualifications; (2) introduction of new techniques; (3) consultations, contests and conferences; and (4) editing and publishing. Describes progress in 1947.

[redacted]

12/49T31

NIKITIN, M. S.

USSR/Engineering
Welding
Electrodes

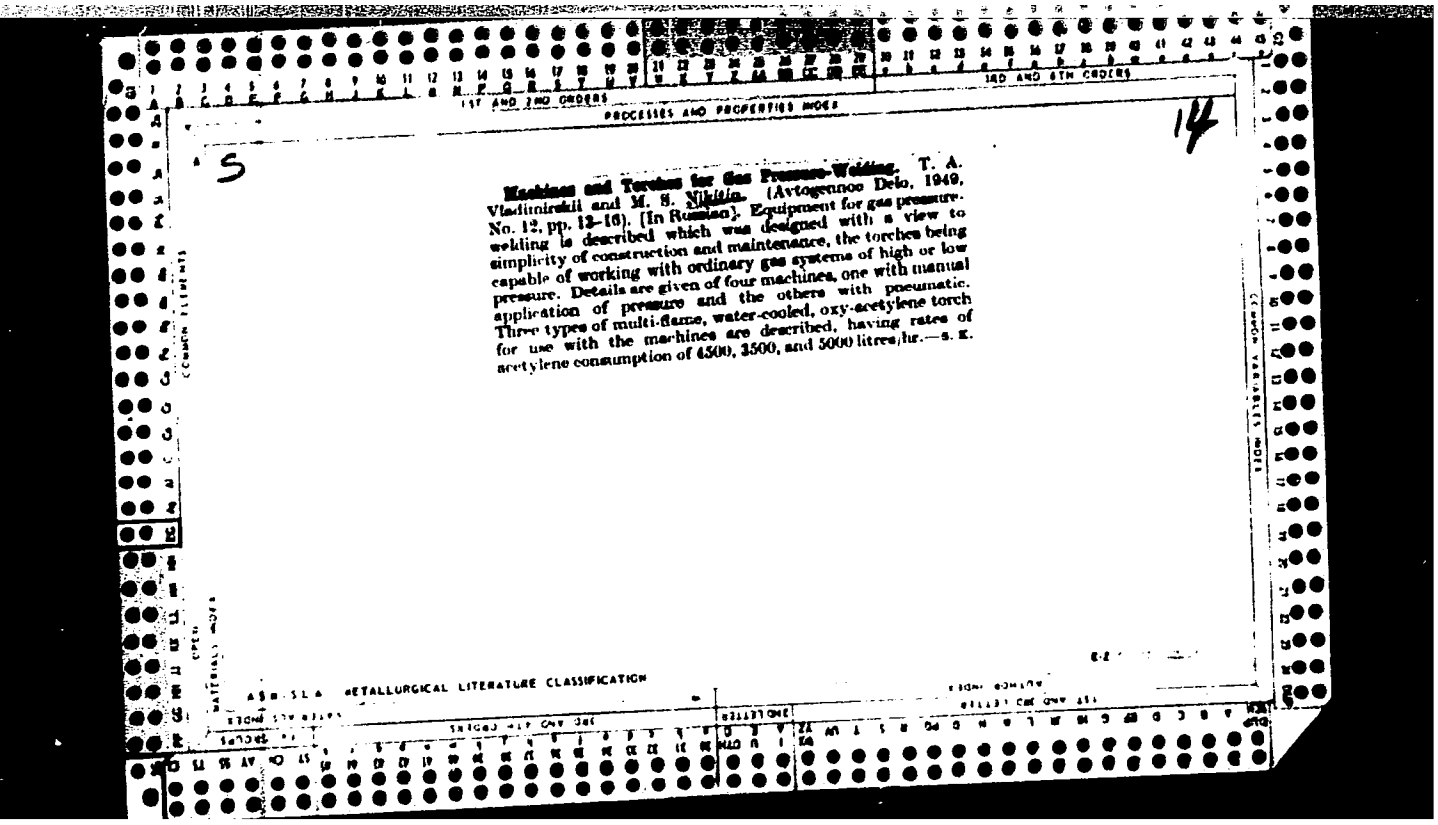
Jun 49

"Work of the All-Union Scientific Engineering and Technical Society of Welders in 1948," Prof. G. A. Nikolayev, Pres, Presidium of VNITOS, Dr Tech Sci; M. S. Nikitin, Acad-Secy VNITOS, lp

"Avtogen-Delo" No 6

Lists accomplishments, including development of type TsM-7 electrode and publication of "Avtogennoye Delo" and "Informatsionnyy Byulleten." Held five conferences in Moscow, Khar'kov, and Leningrad. Gave 107 lectures and seminars in Gor'kiy, Rostov, Moscow, Khar'kov, and Leningrad. Lists points where improvement is needed.

PA 50/49T37



PROCESSES AND PROPERTIES INDEX

14

S

Machines and Torches for Gas Pressure-Welding. T. A. Vladimirskii and M. S. Nikitin. (Avtogennoe Delo, 1949, No. 12, pp. 13–16). [In Russian]. Equipment for gas pressure-welding is described which was designed with a view to simplicity of construction and maintenance, the torches being capable of working with ordinary gas systems of high or low pressure. Details are given of four machines, one with manual application of pressure and the others with pneumatic. Three types of multi-flame, water-cooled, oxy-acetylene torch for use with the machines are described, having rates of acetylene consumption of 4500, 3500, and 5000 litres/hr.—S. E.

METALLURGICAL LITERATURE CLASSIFICATION

NIKITIN, M. S. and VLADIMIRSKII, T. A.

Tekhnologiia gazopressovoi svarki. Moskva, Mashgiz, 1950. 127 p. illus.

Bibliography: p. 125-(126)

Technology of gass pressure welding.

DLC: TS227.V6

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

NIKITIN, M.S.

DOLGITSER, L.Z.; NIKITIN, M.S.; YEVSEYEV, G.B., kandidat tekhnicheskikh nauk, retsenzent; VLADIMIRSKIY, T.A., kandidat tekhnicheskikh nauk, redaktor; MODEL', B.I., tekhnicheskiy redaktor

[Gas welding and cutting; short reference book] Gazovaia svarka i rezka; kratkii spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 126 p. (MLRA 7:11)
(Oxyacetylene welding and cutting)

SOV/135-59-1-8/18

AUTHOR: Nikitin, M.S., Candidate of Technical Sciences

TITLE: An Investigation of Theraml Processes in Gas-Pressure Welding of Rods (Issledovaniye teplovykh protsessov pri gazopressovoy svarke sterzhney)

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 1, pp 34-37 (USSR)

ABSTRACT: Information is given on results of investigations on heat processes in the gas-pressure welding of rods in a plastic condition with shielded seams. The methods of investigations are described, and information is given on theoretical computations, based on a system developed by N.N. Rykalin, with the use of nomograms. The developed method can serve as a basis for the selection of proper parameters and technology, for the evaluation of grain growth processes and structural

Card 1/2

An Investigation of Thermal Processes in Gas-Pressure Welding of Rods

changes, and for choosing the parameters of multi-flame torches. There are 3 tables, 3 graphs, 1 set of diagrams and 2 Soviet references.

ASSOCIATION: MVTU imeni Baumana (MVTU imeni Bauman)

PHASE I BOOK EXPLOITATION SOV/4190

Nikitin, M.S., and L.Z. Dolgitser

Kratkiy spravochnik gazosvarshchika i gazorezchika (Short Handbook for the Gas Welder and Gas Cutter) Moscow, Mashgiz, 1960. 592 p. Errata slip inserted. 45,000 copies printed.

Reviewers: M.M. Malova, Engineer, and MVTU imeni Baumana, Kafedra svarochnogo proizvodstva; Ed.: K.N. Ivanova, Engineer; Managing Ed. for Handbook Literature: I.M. Monastyrskiy, Engineer; Tech. Eds.: A.T. Babochkin and A.F. Uvarova.

PURPOSE: This handbook is intended for foremen, process engineers, and skilled gas welders and gas cutters.

COVERAGE: The handbook contains basic information on gases, gas substitutes, and liquid fuels, and descriptions of machines and equipment used in gas welding, cutting, and machining of metals. Data on gas welding of metals and plastics and methods of gas cutting and oxygen-flux machining of steel are presented.

Card 1/7

USSR/Medicine-Hygiene and Sanitation Jan 48
Medicine-Botulism

"Conference on Problems of Pathogenesis of Food Poisoning and the Significance of the Pathogenic Coli Bacteria, M. Ya. Nikitin, 1 1/3 pp

"Gig i San" No 11

Conference, held 28-29 Jan 48 in Leningrad, was attended by specialists of scientific research institutions for medical schools. Three basic problems were discussed: (1) Etiology of food poisoning, (2) significance of pathogenic coli bacteria, and (3) diagnostics and the identification of microbes of the paratyphoid and dysenteric group.

49/49T30

NIKITIN, M. YA.

Nutrition

Scientific conference on food hygiene. Gig. i san. no. 5, 1952

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

NIKITIN M. YA

LEUSHIN, P.I.; NIKITIN, M.Ya.

Distribution of trees and bushes within the city block in combatting street noise. Gig. i san. no.9:8-15 S '54. (MLRA 7:10)

1. Iz Leningradskogo nauchno-issledovatel'skogo sanitarno-gigiyenicheskogo instituta.

(NOISE,
control by distribution of trees in cities)

NIKITIN, M.Ya.

Scientific and prctical conference on the problems of sanitary bacteriology, dedicated to the memory of Prof. I.E.Minkevich. Gig. i san. no.9:55-56 S '54. (MLRA 7:10)
(BACTERIOLOGY, in Russia, conf.)

SHAFIR, A.I.; NIKITIN, M.Ya.; LEUSHIN, P.I.

Fitted case of instruments used for sanitary examination of living quarters in the praxis of a sanitary physician. Gig. i san. no.11: 40-43 N '54. (MLRA 7:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo sanitarno-gigiyenicheskogo instituta.

(SOCIAL HYGIENE
exam. of living quarters, carrying case for instruments)
(APPARATUS AND INSTRUMENTS
instruments for sanit. exam. of living quarters, carring case)

NIKITIN, M.Ya.

Fulfillment of resolutions of the Central Committee of the Communist Party of the Soviet Union and Council of Ministers of the U.S.S.R. of January 14, 1960 concerning elimination of some and reduction in the prevalence of other infectious diseases. Med.paraz.i paraz. bol. no.3:259-263 '61. (MIRA 14:9)

1. Zamestitel' ministra zdravookhraneniha SSSR.
(COMMUNICABLE DISEASES--PREVENTION)

NIKITIN, M.Ya., kand.med.nauk

On the eve of the 14th All-Union Congress of Hygienists and Sanitary Physicians. Gig. i san. 26 no.8:3-10 Ag '61. (MIRA 15:4)
(PUBLIC HEALTH--CONGRESSES)

NIKITIN, M. Ya.

On fulfillment of the resolution of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. of January 14, 1960 on eradicating infectious diseases reducing their incidence. Zhur. mikrobiol., epid. i immun. 32 no.8:3-7 Ag '61.
(MIRA 15:7)

(COMMUNICABLE DISEASES--PREVENTION)

NIKITIN, N.

Introducing mathematical programming to the planning of transportation. Avt. transp. 41 no.12:29-31 D '63. (MIRA 17:1)

1. Nachal'nik otdela tsentralizovannykh perevozok tresta tsentralizovannykh perevozok Leningradskogo upravleniya avtomobil'nogo transporta.

NIKITIN, N.A. (Pushkino, Moskovskoy obl.)

Simoom in Iraq. Priroda 50 no.5:64-65 My '61. (MIRA 14:5)
(Iraq--Dust storms)

SKAZKA, V.S.; NIKITIN, N.A.

Asymmetry of the critical opalescence of polymer solutions. Vysokom.soed. 5 no.3:440-444 Mr '63. (MIRA 16:3)

1. Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta.
(Polymers—Opticals properties) (Solution (Chemistry))

NIKITIN, N.A.

Transporting building materials. Biul. tekh. inform. 3 no.10: 35-36 O '57. (MIRA 10:12)
(Building materials--Transportation) (Dump trucks)

ZAKHAROV, A.; NIKITIN, N.

The people of Serpukhov are building. Sov. profsoiuzy 5 no.9:47-49 S '57. (MLRA 10:9)
(Serpukhov--Construction industry)

NIKITIN, Nikolay Anatol'yevich; BOROVSKIY, B.Ye., dots., nauchnyy red.; ROTENBERG, A.S., red. izd-va.; PUL'KINA, Ye.A., tekhn. red.

[Organization of hauling operations in the construction industry] Organizatsiia perevozok na stroitel'stve. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 63 p. (MIRA 11:12)

(Construction industry)
(Transportation, Automotive)

N.K.T.P. NA

AUTHOR: None Given

TITLE: Inventions in the Automobile Industry (Izobreteniya v avtomobil'noy promyshlennosti)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 7, p 47

ABSTRACT: The Inventions and Discoveries Committee at the USSR Council of Ministers released authors' certificates on the following inventions of 1956-57: N.B. **Kanilevich** and N.N. Yefimenko, "An Automobile for the Transportation of Railway Containers and Other Loads"; Yu. B. **Belen'kiy,** "A Block Brake Mechanism"; N.A. Nikitin, P.I. Tylevich, "A Body of a Dump Truck for the Transportation of Building Material Solutions"; V.V. Burkov, "A Sectional Automobile Radiator"; I.T. Yefimenko, "A Spring Suspension for Automobiles and Other Mechanisms"; P.I. Fomin, "A Synchronizer with a Disk Gear for Transmissions"; L.V. Klubov, "A Hydromechanical Automatic Three-Stage Transmission"; G.M. Bekanozov, "An Apparatus for Dynamical Testings of Automobiles"; D.V. Breygin, "A Mechanical Transmission"; I.I. Ziberov, "A Stand for the Disassembly and Assembly of Automobile Tires"; D.V. Kozmenko, V.P. Kurunov, V.G. Balatko, A.I. Khalyavin, "An Automat for the Tilting of Cabins and Car Bodies on the Conveyor Belt"; P.V. Poguslavskiy, "A Combined Truck

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Body"; V.P. Tsimbalin, "A Stand for the Investigation of the Smooth Running of the Automobile and Testing of the Assembly Units and Parts for Durability"; V.P. Tsimbalin, "A Device for Tests of Automobiles with Respect to Smooth Running and Adjusting of New Automobiles in the Assembly Workshop"; [illegible] Belen'kiy, "A Brake Crane for Automatic Automobile Brakes"; I.S. Izakson, R.I. Kharif, "A Stand for Checking the Brakes of Automobiles of All Types"; V.I. Lysov, "An Intensifier of the Steering Control of Automobiles with Progressive Reaction on the Steering Wheel"; N.B. Kapilevich, N.N. Yefimchenko, "An Automobile with a Hydraulic Lifting Crane"; V.I. Musykin, "A Device for the Regulation of the Water Temperature in the Cooling System of the Automobile Engine"; V.I. Lysov, "A Pneumatic Intensifier of the Steering Control of the Automobile"; Yu.I. Bedykh, "The Gear Box"; V.D. Chistyakov, "A Device for the Washing of Motor and Tractor Parts"; N.G. Balakirev, "The Autotrailer"; P.D. Matyuk, A.I. Burykin, "A Detachable and Interchangeable Multi-Stage Contrivance of the Truck Body"; A.P. Krivshin, G.I. Pshenichnyy, "A Torsion Mechanism"; [illegible] Azorevich, N.M. Riberg, "A Synchronizer of the Peripheral-Speeds of the Cog Wheels for Gear Boxes with Sliding Cog Wheels"; B.I. Babinkov, "A Planetary [illegible]

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137010010-7"

Power Supply"; D.T. Gapoyan, I.A. Kurzel , "A Hydromechanical Automatic Gear Box for the Automobile"; A.A. Romanov, "An Automatic Compensation of the Wear of Brake Linings"; A.N Kolesnichenko, "A Universal Stand for Tests of the Lifting Mechanisms of Dump Trucks"; I.I. Ozherel'yev, "A Mechanism of Engaging the Springs of a Three-Axle Automobile"; V.N Maslennikov, D.I. Ivanov, "A Washing Device for the Wind Screen of the Automobile, Autobus and Other Wheeled Vehicles"; M.I Lysov, "A Method of Trying Out the Intensifiers of the Steering Control"; V.K. Gankidze, "A Device for the Stabilization of the Vertical Position of a Self-Propelled Mountain Vehicle in Motion Along Mountain Slopes; M.I. Lysov, "A Hydraulic Intensifier of the Steering Control of the Automobile"

1. Inventions--USSR 2. Automotive industry--USSR 3 Trucks--Equipment 4. Tractors--Equipment 5. Automobiles--Equipment

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NIKITIN, N.

Equipment for transportation of wall brick blocks. Avt.transp. 38 no.3:16 Mr '60. (MIRA 13:6)
(Building blocks--Transportation)

NIKITIN, Nikolay Anatol'yevich; LEVCHENKO, Ya.V., red.; SHILLING, V.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Truck transportation of building materials along efficient routes] Avtomobil'nye perevozki stroitel'nykh materialov po ratsional'nym marshrutam. Leningrad, 1961. 19 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'naia promyshlennost', no.12) (MIRA 14:7)

(Building materials--Transportation)

NIKITIN, Nikolay Anatol'yevich; SEDOVA, A.P., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Organizing centralized transfers of building freight] Organizatsiia tsentralizovannykh perevozok stroitel'nykh gruzov. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 56 p. (MIRA 14:6)
(Building materials—Transportation)

NIKITIN, Nikolay Anatol'yevich; LEVCHENKO, Ya.V., inzh., red.; FREGER, D.P., red. izd-va; GVIRTS, V.L., tekhn. red.

[Experience in the use of average prices in centralized automotive transportation of freight] Opyt primeneniia srednikh tsen pri tsentralizovannykh perevozkakh gruzov avtomobil'nym transportom. Leningrad, 1962. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'naia promyshlennost', no.3) (MIRA 15:5)
(Transportation, Automotive—Rates)
(Building materials--Transportation)

BELOV, D.A.; BOBRY IN, V.A.; NIKITIN, N.A.

[Practice of the Central Dispatcher Station of the Leningrad Trust of Centralized Freight Transportation] Opyt raboty TsDS Leningradskogo tresta tsentralizirovannykh perevozok gruzov. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1963. 42 p. (MIRA 17:9)

NIKITIN, N. A.

N. A. Nikitin. Radiowaves and magnetism by N. A. Smol'kov. P. 164 (Bibliography.

SO: Uspekhi Achievements in Physical Science , v.3, No. 1 Jan. 1951.

NIKITIN, N. A.

4327. NIKITIN, N. A. --Fizika atoma. Lektsya M. 1954. 71 s. Chert. 21 sm. (M-vo vyssh. obrazovaniya SSSR. Vsesoyuz. zaoch. energet. in-t) 3.00 экз. Bespl.-- (54-58073) p.

SO: Knizhnaya Letopsis', Vol. 1, 1955

Correspondent

NIKITIN, Nikolay Aleksandrovich; SHAMSHUR, V.I., redaktor; SALIMAN, L.S redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[The V.I. Lenin Radio Laboratory in Nizhniy Novgorod] Nizhegorodskaia radiolaboratoriia imeni V.I. Lenina, Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1954. 122 p. (MLRA 8:8)
(Gorkiy--Radio research)

107-57-4-4/54

AUTHOR: Nikitin, N.

TITLE: First Experiments in Radiotelephony (Pervyye opyty po radiotelefonii)

PERIODICAL: Radio, 1957, Nr 4, p 4 (USSR)

ABSTRACT: The author's reminiscences about the first Soviet radio laboratory in Nizhniy Novgorod are presented. Having learned about the work of engineer M. A. Bonch-Bruyevich and of his suggestion to organize production of electron tubes, Lenin ordered a scientific institute set up with an electron-tube shop as a part of it. Thus, the Nizhegorodskaya Radio Laboratory was born. Research in radiotelephony was its first assignment. In March, 1920, the laboratory received a government order for a radiotelephone transmitter with a range of 2,000 km; the order was signed by Lenin. In the same year, an experimental transmitter was built and installed at Khodynskaya radio station for trial operation. The transmitter was used for two-way radiotelephone communication with Berlin. Contacts with Tashkent, Chita, and other Russian cities were also established. Lenin paid great attention to the radio reception network in Russia at that time. He rendered considerable help to engineer P. A. Ostryakov, who was in charge of radiotelephone development. It was a hard time, and the

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First Experiments in Radiotelephony

construction of the new radio station met with many difficulties. Production of transmitter tubes and of high-frequency generators stopped. Ostryakov sought and received Lenin's help. As a result, financial and technical difficulties were overcome. The radio administration received a new glass-blowing shop in Moscow; a new shop for production of storage batteries was organized, etc. In 1922, the radiotelephone station was put into regular operation. It was the most powerful among the European and American radio stations.

SOV/109-3-7-1/13

AUTHOR: Nikitin, N. A.

TITLE: The Nizhniy-Novgorod Radio Laboratory im. V. I. Lenin (1916-1958) (Nizhegorodskaya Radiolaboratoriya im. V. I. Lenina - 1916-1958 gg.)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Nr 7, pp. 859-872 (USSR)

ABSTRACT: The laboratory at Nizhniy-Novgorod (Nizhegorodskaya Radiolaboratoriya) was founded in 1918 and was the first radio-engineering institute in Soviet Russia which carried out investigations on the problems relating to radio communications. The laboratory can be regarded as a continuation and a natural development of the first experimental workshop which was started by M. A. Bonch-Bruyevich in Tver'. In June 1913 this workshop was taken over by the People's Commissariat of Post and Telegraph and in July it was transferred to Nizhniy-Novgorod. Before the end of 1918 the new laboratory was provided with electricity, water, gas and compressed air supplies and was ready to carry out its work. One of the main sections of the laboratory was led by M. A. Bonch-Bruyevich and its work was directed primarily towards the development and production of vacuum tubes. This section developed a

The Nizhniy-Novgorod Radio Laboratory im. V. I. Lenin (1918-1936)

In February 1919, M. A. Bonch-Bruyevich presented a theory of the thermionic vacuum triode; with some modifications this theory is valid even to-day. On the basis of the theory, M. A. Bonch-Bruyevich produced an amplifying tube (see Fig.2) which was designated PR-1. In March 1919 a regular production of this tube was commenced, the monthly output being 1000 tubes. Towards the end of 1919 the vacuum tube section produced a power tube capable of delivering 950 W. At the same time Bonch-Bruyevich devised a radio-telephone transmitter which proved successful over distances up to 400 km. At the end of 1920 the section designed a 5 kW radio station for Moscow and a 12 kW station in 1922. Later the section produced a 100 kW transmitter tube (see Fig.3) which was employed in the Moscow transmitter, having an output power of 1000 kW. Apart from the above-mentioned broadcasting stations, the laboratory designed and built 27 radio-telephone transmitters, having an output power of 1.2 kW. The problem of shortwave radio communication was also investigated; in 1925 the

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The Nizhniy-Novgorod Radio Laboratory i . V. I. Lenin (1[illegible]-[illegible])

laboratory constructed a transmitter operating at 75-85 m with an output power of 15 kW. Later a transmitter operating at 20-50 m was built in the laboratory (Fig.10) and was used for the communication between the laboratory and Tashkent; by means of this transmitter it was possible to study the behaviour of the ionosphere. Another group in the laboratory was led by V. P. Vologdin who, until 1918, was the only specialist in Russia experienced in the design of low-power high frequency rotary generators. In the laboratory Vologdin constructed a generator operating at 20 kc/s and giving an output power of 50 kW (see Fig.12). Vologdin designed also machine generators for 150, 250 and 500 kW but only a 150 kW was built. Vologdin carried out investigation on mercury rectifiers and in 1921 he designed a mercury tube operating at several thousand volts and capable of delivering a power of 10 kW. In 1928 it was possible to obtain mercury rectifiers for 15 kV and powers of 50 kW. The group led by A. F. Shorin designed a public loud-speaking system which was successfully tried in the Kremlin in 1923. This group also carried out investigations and developed some equipment for radio telegraphy and studied the problems of remote control.

SOV/[illegible]

The Nizhniy-Novgorod Radio Laboratory im. V. I. Lenin [illegible] itself to the study of the general problems of radio-[illegible]. Thus, it designed a frequency meter (see Fig.14), a [illegible] crystal receiver (see Fig.15), investigated the properties of antennas (A. A. Pistol'kors), constructed a number of special cathode ray tubes (G. A. Ostroumov) and designed an amplifier and an oscillator based on a zincite crystal (see Fig.16). The laboratory was also publishing a scientific-technical journal under the title of "Wireless Telegraphy and Telephony" (Telegrafia i Telefoniya bez Provodov). The laboratory terminated its independent existence in [illegible] 1928, when the majority of its personnel was transferred to Leningrad. The paper contains 16 figures and 31 references, of which 22 are Soviet, 7 English, 1 French and 1 German.

SUBMITTED: February 28, 1958.

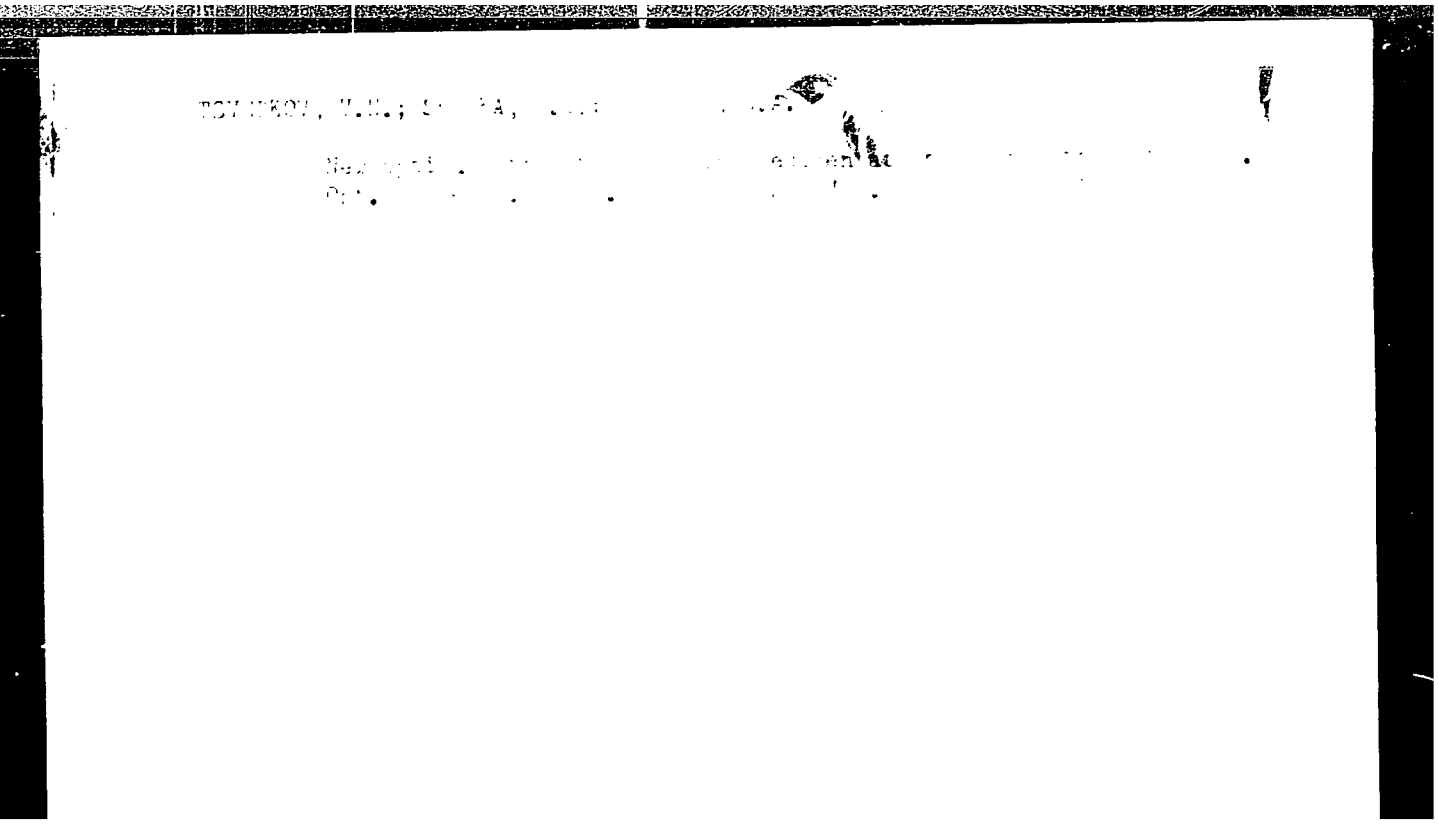
1. Radio communication systems--Development [illegible] --Organization 3. Electron tubes--Development 4. [illegible] 5. Laboratory equipment--Development

Card 4/4

TSVETKOV, V.N.; SKAZKA, V.S.; NIKITIN, N.A.; STEPANENKO, I.B.

Sedimentation and diffusion of polymer solutions studied by means of a polarization interferometer. Vysokom. soed. 6 no.1:69-75 Ja'64. (MIRA 17:5)

1. Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta.



BERDNIKOVA, K.G.; TARASOVA, G.V.; SKAZKA, V.S.; NIKITIN, N.A.; DYUCHEV, G.V.

Hydrodynamic properties of some polymethacrylates. Vysokom. soed. 6 no.11:2057-2062 N '64 (MIRA 18:2)

1. Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta.

TSVETKOV, V.N.; MITIN, Yu.V.; SHTENNIKOVA, I.N., GLUSHENKOVA, V.R.; TARASOVA, G.V.; SKAZKA, V.S.; NIKITIN, N.A.

Sedimentation, diffusion and viscosity of poly-/-benzyl L-glutamate in solutions. Vysokom. soed. 7 no.6:998-1103 Je '65. (MIRA 18:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

TSVETKOV, V.N.; KISELEV, L.L.; LYUBINA, S.Ya.; FROLOVA, L.Yu.; KLENIN, S.I.; SKAZKA, V.S.; NIKITIN, N.A.

Hydrodynamic properties and optical anisotropy of transfer ribonucleic acids in aqueous solutions. Biokhimiia 30 no.2:302-309 Mr-Ap '65. (MIRA 18:7)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad i Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moskva.

KIRILLOV, I.A., prof.; BORODIN, S.V.,; VINOKUR, R.D.; VOSKRESENSKIY, A.A.; GIROVSKIY, V.F.; ZHITOMIRSKIY, E.G.; SAFRAY, G.Ye.; SYCHEV, N.G.; NIKITIN, N.D.; FILATOV, N.L.; FIALKOVA, V., red.; LEBEDEV, A., tekhn.red.

[Finances of branches of the national economy] Finansy otraslei narodnogo khoziaistva. Avtorskii kollektiv pod rukovodstvom I.A.Kirillova. Moskva, Gosfinizdat, 1958. 302 p. (MIRA 12:2)
(Finance)

STAROSTIN, I.I., dots.; NIKITIN, N.D., kand. geograf. nauk; YANIKOV, G.V., dots.; SMIRNOVA, M.I., tekhn.red.

[Programs of pedagogical institutes; principles of toography and cartography] Programmy pedagogicheskikh institutov; osnovy topografii i kartografii. Moskva, Gos.uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 18 p. (MIRA 11:3)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysshikh i srednikh pedagogicheskikh uchebnykh zavedenii.
(Topography--Study and teaching)
(Cartography--Study and teaching)

NIKITIN, Nikolay Dmitriyevich; FISHCHEVA, T.V., red.; DRANNIKOVA, M.S., tekhn.red.

[Surveying by sight; from the author's experience] Glazomernaia s"emka; iz opyta raboty. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1960. 57 p. (MIRA 13:5)
(Surveying)

NIKITIN, N.D.

Field movement following the azimuth. Mat. (t.i. astron. geog. Geog. ob-va SSSR no.4:23-34 '56). (MIRA 17:6)

NIKITIN, N.G., dorozhnyy master (g.Michurinsk)

Railroad motorcar with a plow attachment for snow removal. Put' i put.khoz. 5 no.12:28 D '61. (MIRA 15:1)
(Railroads--Snow plows)

NIKITIN, N. G.

"Treatment of Haemosporidian Infections in Calves with LP-2 and the Intramuscular Introduction of Flavacridine"

Z. P. Korniyenko-Koneva, Cand of Vet Sci; M. D. Orekhov, N. G. Nikitin, I. F. Borisov, Veterinary Doctors, Turkmen Veterinary Experimental Station, 1 p.

SO: Veterinariya, No 3, Mar 1948

Experiments show that LP-2* and flavacridine** are equally effective. However, LP-2 has several advantages: it is readily soluble in distilled water; it can be injected subcutaneously, instead of intravenously; and has no toxic effect in calves. (71T74)

* 0.001 g/kg dosage subcutaneously ** 0.003 g/kg intravenously in small cattle gives best results in the former case (LP-2)... However, it was found that flavacridine gives excellent results when injected intramuscularly as 5% soln at 0.5-1.0 gm doses (lower amount for young animals).
-b-18840,2 Aug 1950

NIKITIN, N.G., inzhener; VINOGRADOV, G.S., inzh., red.; FREGER, D.P., tekhn.red.

[Calendar planning in the production of large-scale machines; practices of the 2-i Piatiletki Plant] Kalendarnoe planirovanie proizvodstva krupnykh mashin; iz opyta Zavoda imeni 2-i piatiletki. Leningrad, 1955. 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok, no.81(769)) (MIRA 10:12)

(Efficiency, Industrial)

Nikitin N

123 - 1 - 12.

AUTHOR: Nikitin, N.G.

TITLE: Leading Experience in Organization of Batch Production at the Leningrad Enterprises (Peredovoy opytorganizatsii seriynogo proizvodstva na predpriyatiyakh g. Leningrada).

PERIODICAL: Organizatsiya proizvodstva na metalloobrabot. predpriyatiyakh. Sbornik, Riga, 1955, 40 - 60.

ABSTRACT: The experiment in utilization inner resources of plants engaged in piece and small-batch production is described with the view of increasing the yearly output while utilizing the same equipment, space and labor force. Observations were carried out in the following divisions: the organization of uniform and rhythmical production, the practice in organization and production planning, the technological aspect of engineering and its influence on the organization of production, the unification of component units and standardization of parts, the typification of units, parts and technological processes, the progressive technology as a basis of the new organization for production.

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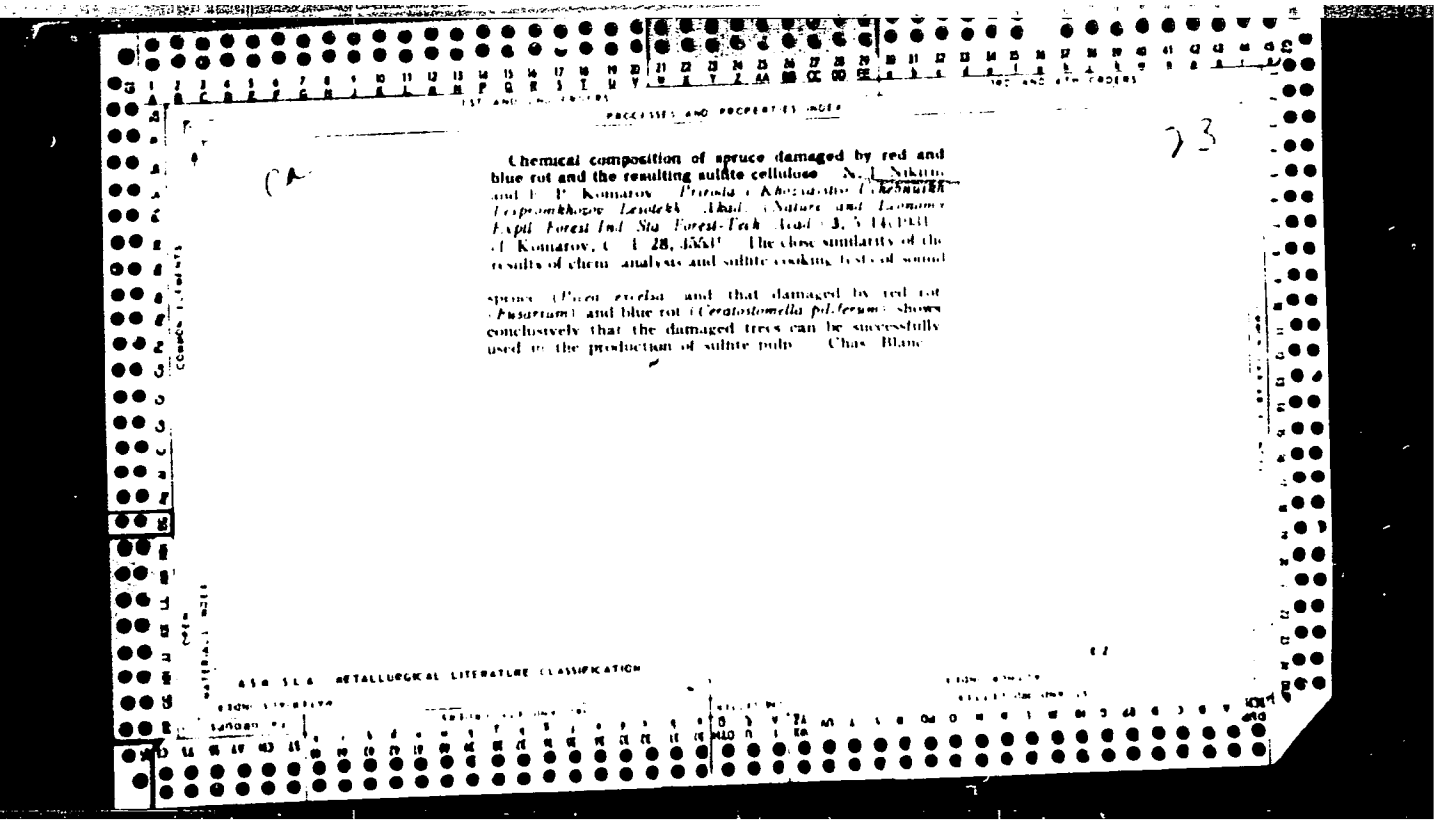
NIKITIN, Nikolay Georgiyevich; VINOGRADOV, G.S., inzh., red.; GVIRTS, V.L., tekhn.red.

[Elaboration of a production time plan in manufacturing heavy machinery; practices of the "Vtoraia Piatiletka" Plant] Razrabotka kalendarnogo plana proizvodstva krupnykh mashin; iz opyta zavoda imeni Vtoroi Piatiletki. Leningrad, 1956. 14 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok, no.6. Organizatsiia i ekonomika proizvodstva) (MIRA 10:12)
(Machinery industry)

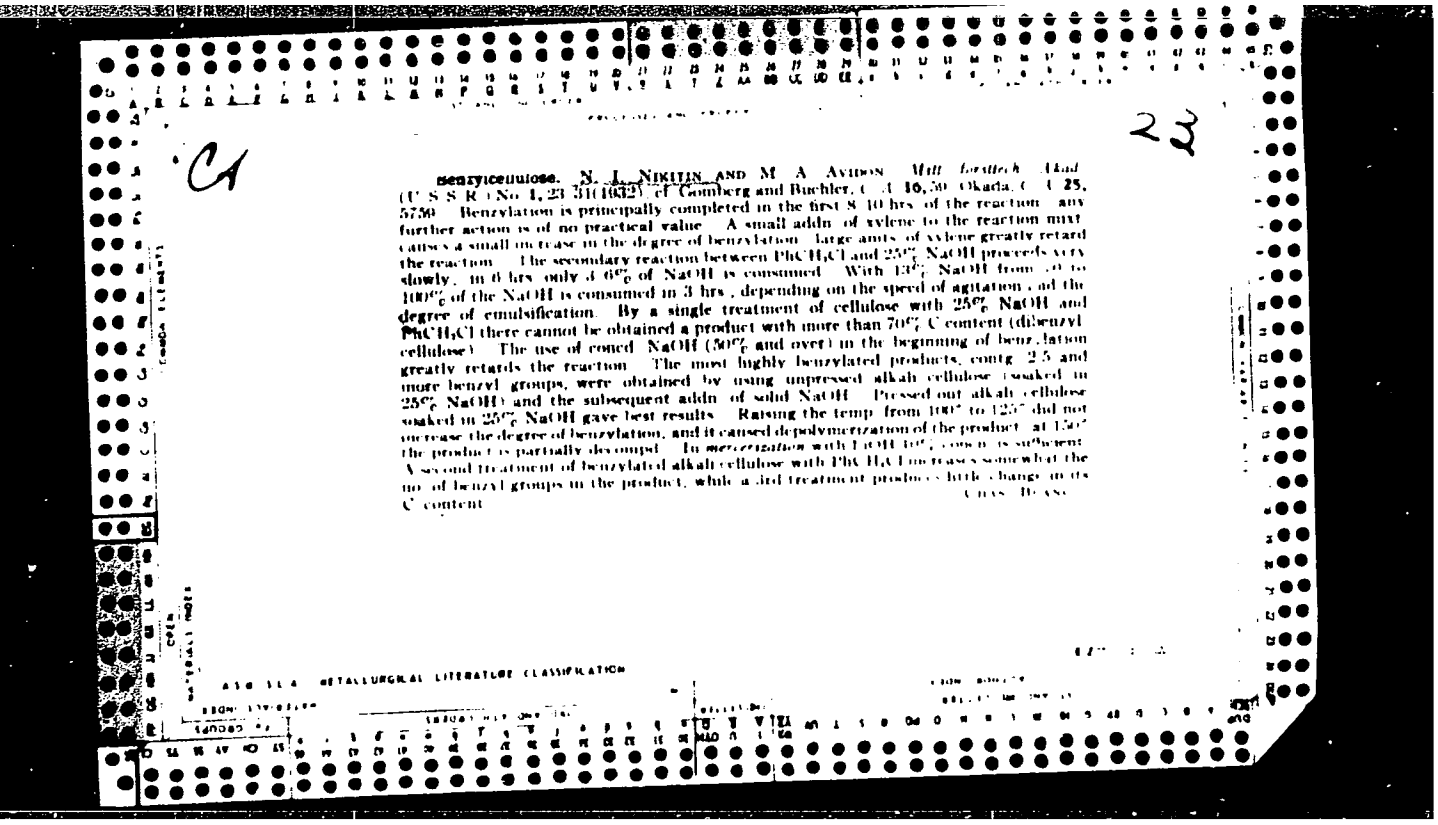
NIKITIN, N.G.

KARPUKHIN, V.V.; ZAYCHENKO, G.N.; ZIL'BERMAN, A.S.; POPLAVSKIY, V.R.; SOKOLOV, B.A.; NIKITIN, N.G.; DVORYANKIN, M.M.; MEL'NIKOV, V.P.; OL'CHEV, P.F.; BABCHENKO, V.M.

Two-zonal electric furnace for the caking of solid alloys.
Prom. energ. 14 no.1:40-41 Ja '59. (MIRA 12:1)
(Electric furnaces)



Chemical composition of spruce damaged by red and blue rot and the resulting sulfite cellulose N. I. Nikitin and I. P. Komarov *Trudy Akad. Lesokhoz. Tekhnikum Leningradskogo Lesotekh. Inst.* (Nature and Economy Expil. Forest Ind. Sta. Forest-Tech. Acad.) 3, 5-16(1931). cf. Komarov, C. A. 28, 4561. The close similarity of the results of chem. analysis and sulfite cooking tests of normal spruce (*Picea excelsa*) and that damaged by red rot (*Fusarium*) and blue rot (*Ceratostomella pilifera*) shows conclusively that the damaged trees can be successfully used in the production of sulfite pulp. Chas. Blanc



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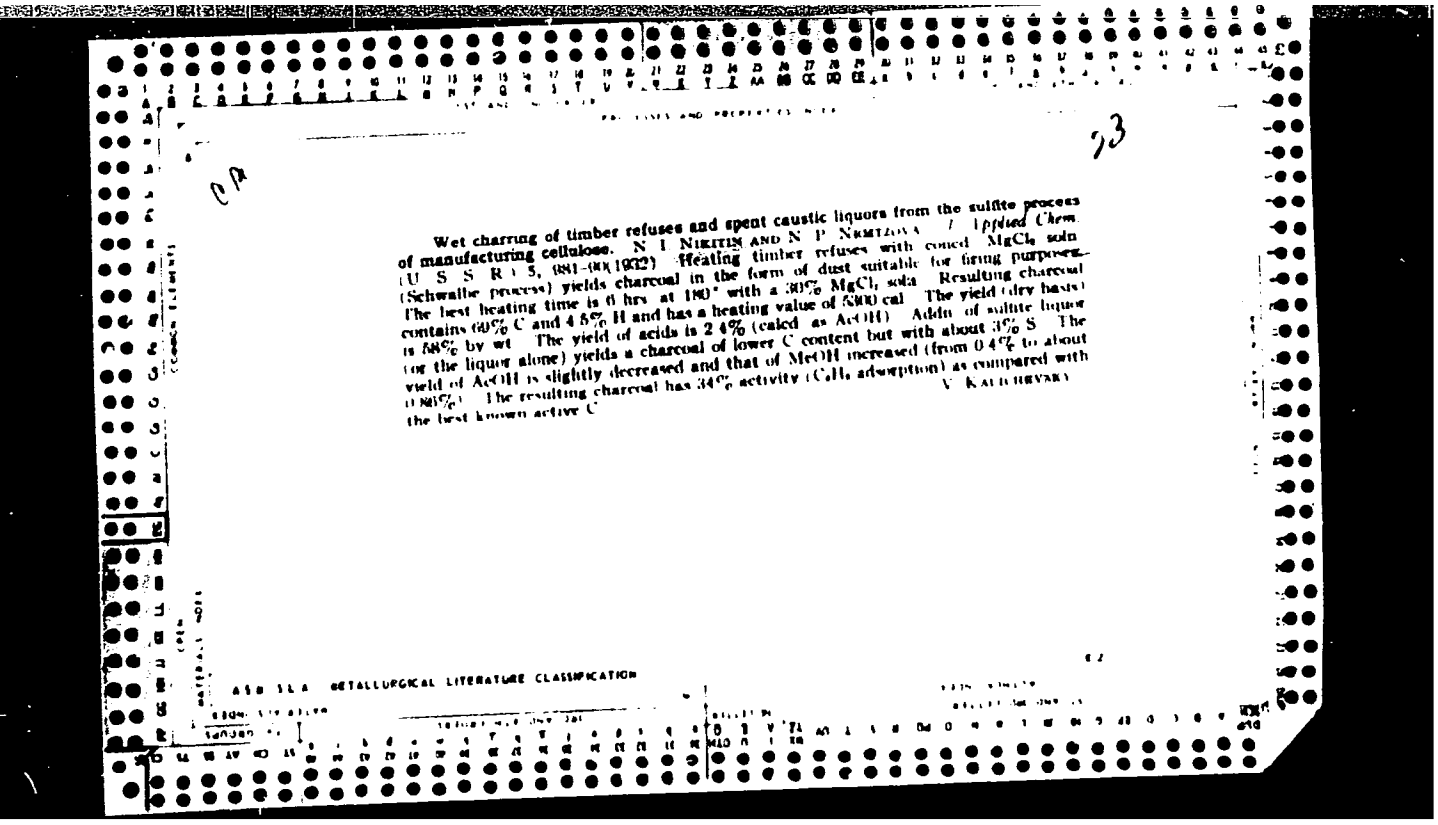
Benzylcellulose. N. I. NIKITIN AND M. A. AVDOS. *Mat. Inst. Prikl. Khim.* (Acad. Sci. U.S.S.R.) No. 1, 23 31(1932). Cf. Gomberg and Buchler, C. A. **16**, 30; Okada, C. A. **25**, 5750. Benzylation is principally completed in the first 8–10 hrs. of the reaction; any further action is of no practical value. A small addn. of xylene to the reaction mixt. causes a small increase in the degree of benzylation. Large amts. of xylene greatly retard the reaction. The secondary reaction between $PhCH_2Cl$ and 25% NaOH proceeds very slowly; in 6 hrs. only 4.6% of NaOH is consumed. With 13% NaOH from 40 to 100% of the NaOH is consumed in 3 hrs., depending on the speed of agitation and the degree of emulsification. By a single treatment of cellulose with 25% NaOH and $PhCH_2Cl$ there cannot be obtained a product with more than 70% C content (dibenzyl cellulose). The use of concd. NaOH (50% and over) in the beginning of benzylation greatly retards the reaction. The most highly benzylated products, contg. 2.5 and more benzyl groups, were obtained by using unpressed alkali cellulose (soaked in 25% NaOH) and the subsequent addn. of solid NaOH. Pressed out alkali cellulose soaked in 25% NaOH gave best results. Raising the temp. from 100° to 125° did not increase the degree of benzylation, and it caused depolymerization of the product; at 150° the product is partially decompd. In *mercerization* with 10% NaOH 10% excess is sufficient. A second treatment of benzylated alkali cellulose with $PhCH_2Cl$ increases somewhat the no. of benzyl groups in the product, while a 3rd treatment produces little change in its C content.

CHAS. BLANC



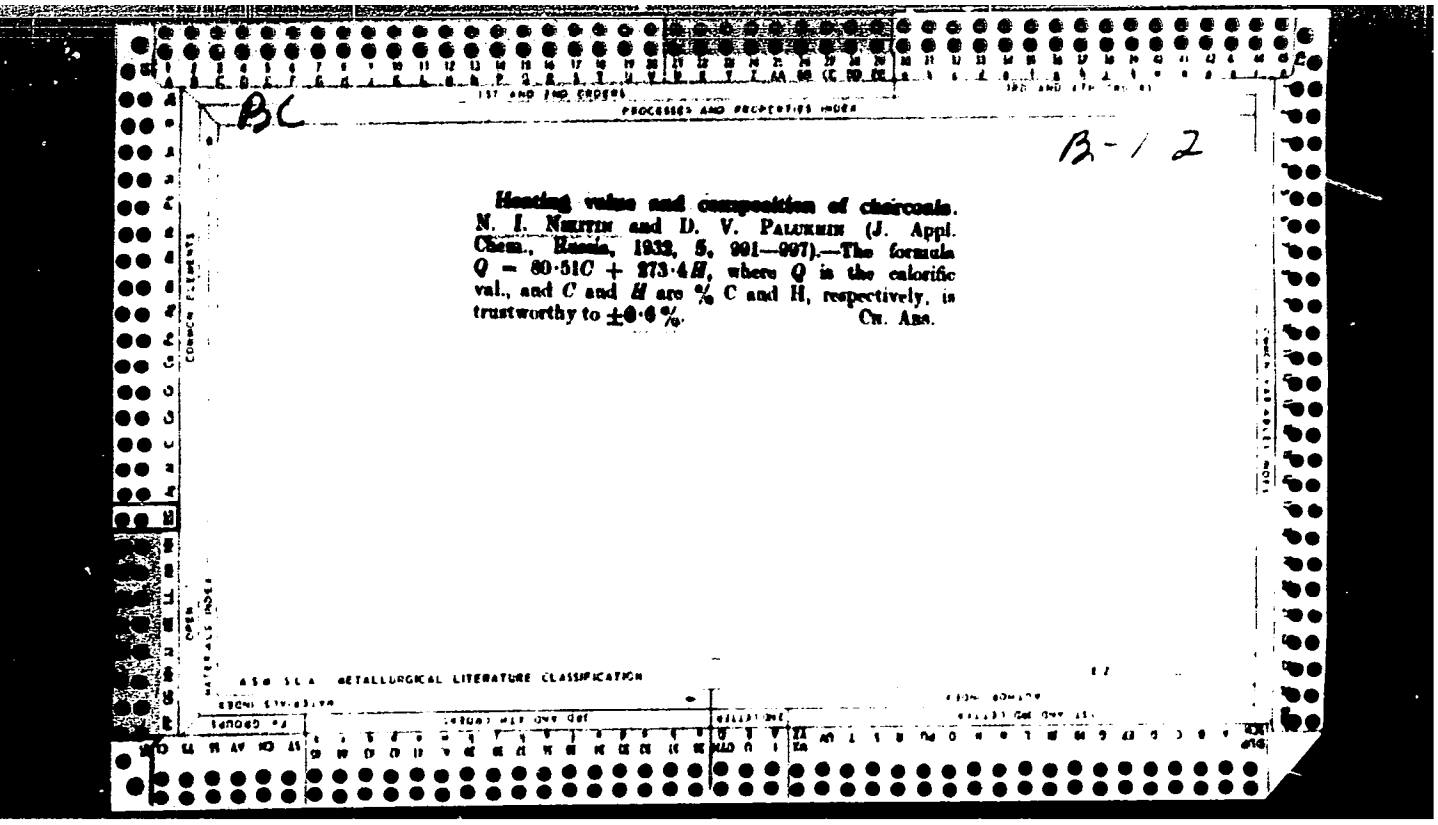
CA

23

Wet charring of timber refuses and spent caustic liquors from the sulfite process of manufacturing cellulose. N I Nikitin and N P Nemtzova. *J. Applied Chem. (U S S R)* 5, 881-8(1932). Heating timber refuses with concd. $MgCl_2$ soln. (Schwalbe process) yields charcoal in the form of dust suitable for firing purposes. The best heating time is 6 hrs. at 180° with a 30% $MgCl_2$ soln. Resulting charcoal contains 60% C and 4.5% H and has a heating value of 5800 cal. The yield (dry basis) is 58% by wt. The yield of acids is 2.4% (calcd. as AcOH). Addn. of sulfite liquor (or the liquor alone) yields a charcoal of lower C content but with about 3% S. The yield of AcOH is slightly decreased and that of MeOH increased (from 0.4% to about 0.8%). The resulting charcoal has 34% activity (C_6H_6 adsorption) as compared with the best known active C.

V. Kalichevsky

A58 31A METALLURGICAL LITERATURE CLASSIFICATION



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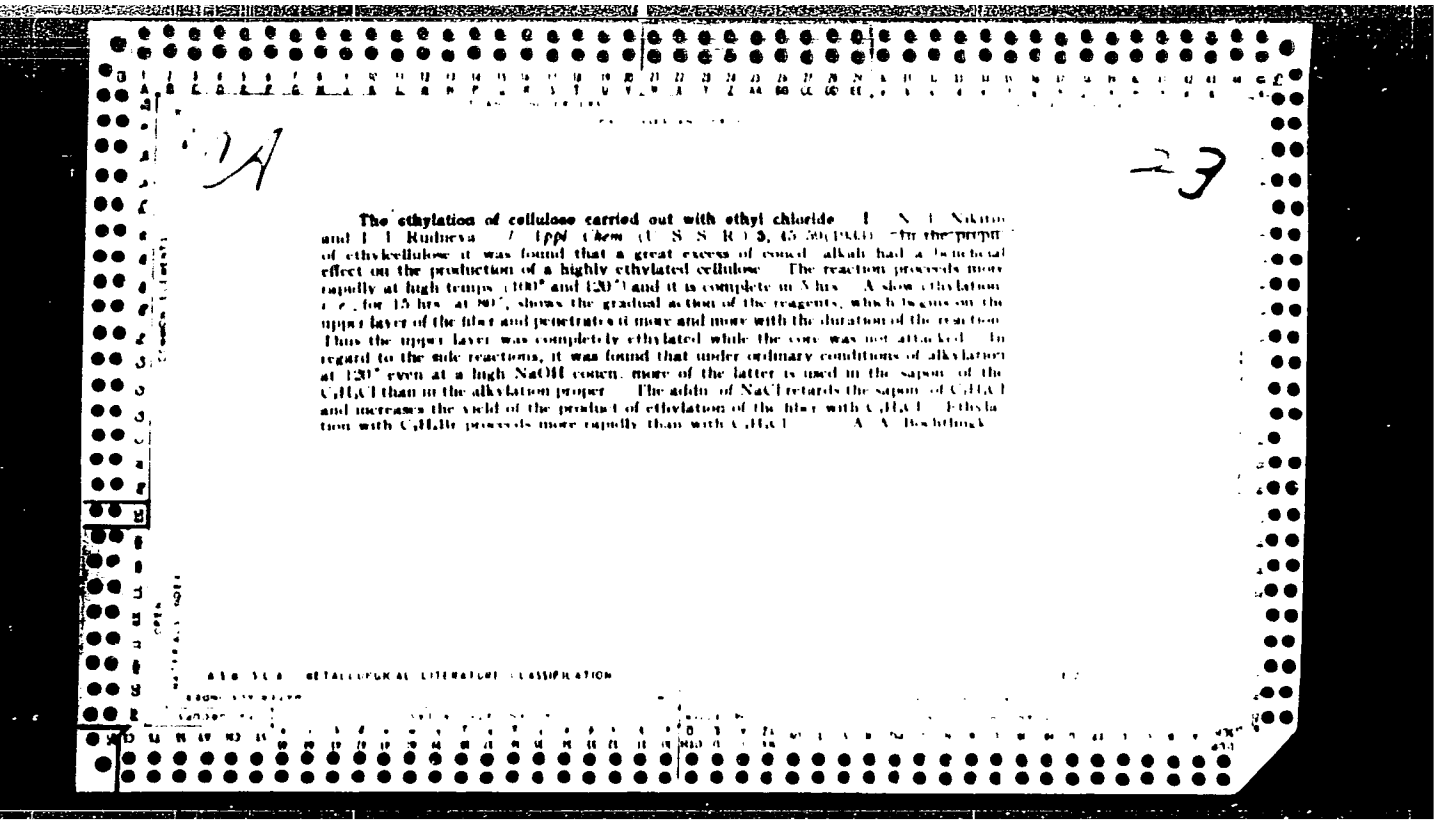
PROCESSES AND PROPERTIES INDEX

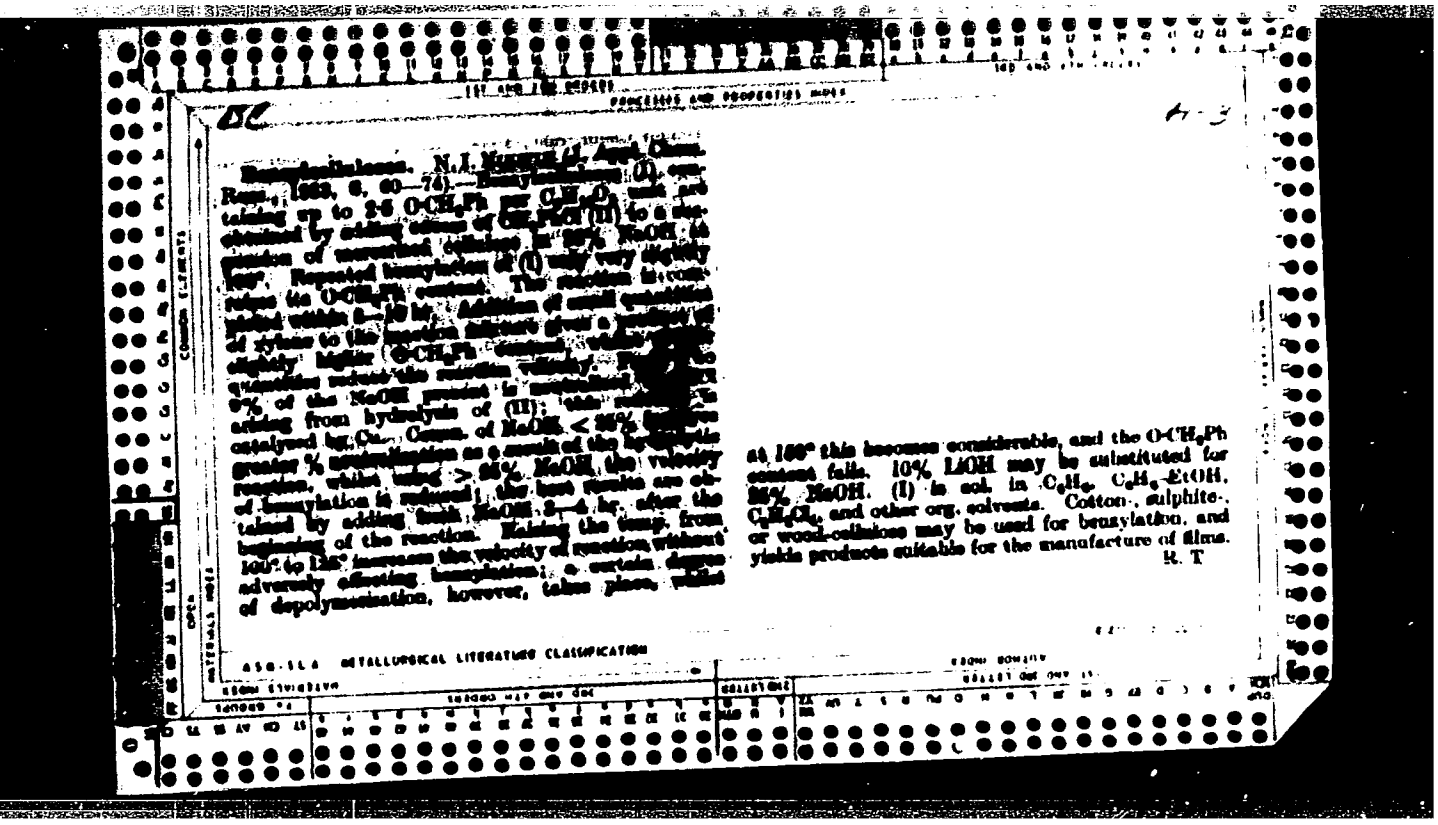
B-12

Heating value and composition of charcoals. N. I. Nikitin and D. V. Palukhin (J. Appl. Chem., Russia, 1932, 5, 991—997).—The formula $Q = 80{\cdot}51C + 273{\cdot}4H$, where Q is the calorific val., and C and H are % C and H, respectively, is trustworthy to $\pm 0{\cdot}6$ %. Ch. Abs.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION



The ethylation of cellulose carried out with ethyl chloride I. N. I. Nikitin and I. I. Rudneva. *Zhur. Prikl. Khim.* (U. S. S. R.) **3**, 45-50 (1930).—In the preparation of ethylcellulose it was found that a great excess of caustic alkali had a beneficial effect on the production of a highly ethylated cellulose. The reaction proceeds more rapidly at high temps. (100° and 120°) and it is complete in 8 hrs. A slow ethylation (e. g., for 15 hrs. at 80°), shows the gradual action of the reagents, which begins on the upper layer of the fiber and penetrates it more and more with the duration of the reaction. Thus the upper layer was completely ethylated while the core was not attacked. In regard to the side reactions, it was found that under ordinary conditions of alkylation at 120° even at a high NaOH concn. more of the latter is used in the saponn. of the C_2H_5Cl than in the alkylation proper. The addn. of NaCl retards the saponn. of C_2H_5Cl and increases the yield of the product of ethylation of the fiber with C_2H_5Cl. Ethylation with C_2H_5Br proceeds more rapidly than with C_2H_5Cl. A. A. Boehringk



at 160° this becomes considerable, and the O-CH_2Ph content falls. 10% LiOH may be substituted for 35% NaOH. (I) is sol. in C_6H_6, C_6H_5·EtOH, $C_6H_4Cl_2$, and other org. solvents. Cotton-, sulphite-, or wood-cellulose may be used for benzylation, and yields products suitable for the manufacture of films.

R. T