On the question of the relation ... S/051/62/012/005/005/021
E039/E120

experimentally. The spectra of a number of organic dyes and derivatives of phthalimide in different solutions were investigated at room temperature and in one case at 350 and 400 °K. The results were analysed with the aid of the expression:

$$f(\nu) = \lg \varepsilon_\nu - \lg J_\nu + 2 \lg \nu = \frac{h\nu}{kT_1} \lg e + \text{const.}, \qquad (3)$$

and a linear relationship shown to exist between ν and $(\lg \frac{\varepsilon}{J} \nu^2 + C)$. Values of T_1 show good agreement with the experimental temperatures. Good agreement is obtained with the results of other authors.
There are 3 figures and 1 table.

SUBMITTED: April 13, 1961.

Card 2/2

S/051/62/012/005/007/021
E195/E485

AUTHORS: Bakhshiyev, N.G., Klochkov, V.P., Neporent, B.S., Cherkasov, A.S.

TITLE: Absorption and fluorescence of the vapours of anthracene and its derivatives

PERIODICAL: Optika i spektroskopiya, v.12, no.5, 1962, 582-585

TEXT: The absorption and fluorescence spectra, fluorescence yields and oscillator strengths of anthracene (I) and six of its meso-derivatives were measured. The derivatives were: 9-methyl anthracene (II), 9,10-dimethyl anthracene (III), 9-phenyl anthracene (IV), 9,10-diphenyl anthracene (V), 9-diacetyl-amino-anthracene (VI) and 9-acetyl-amino-anthracene. The results show that the transition from anthracene to its derivatives is accompanied by a spread in the absorption and fluorescence spectra. This spread is more pronounced in aryl derivatives than in alkyls. The oscillator strengths of molecules in vapours are frequently larger than those of molecules in solutions. The oscillator strengths increase with increasing temperature. At relatively low temperatures the oscillator

Absorption and fluorescence ...

strength in vapours is nearly identical with that in solutions at room temperature. The closeness of the oscillator strengths of 9,10-diphenyl anthracene molecules in vapours and solutions suggests that the temperature has a small effect on the absorption of this compound. Measurements of fluorescence yields after excitation by mercury light (313 and 365 mμ) are given in Table 2. These data do not agree with those previously obtained by B. Stevens (Trans. Farad. Soc., v.51, 1955, 610), G.A.Kundzich and A.A.Shishlovskiy (DAN SSSR, v.97, 1954, 429). This discrepancy requires further checking. There are 1 figure and 2 tables.

SUBMITTED: April 8, 1961

S/051/62/013/001/002/019
E039/E420

AUTHORS: Neporent, B.S., Bakhshiyev, N.G., Lavrov, V.A. Korotkov, S.M.

TITLE: The effect of medium on the properties of the electronic spectra of complex molecules during the gradual transition from vapour to solution

PERIODICAL: Optika i spektroskopiya, v.13, no.1, 1962, 32-42

TEXT: The position and width of absorption and fluorescent spectra in 3-methylaminophthalimide are examined with change in concentration of ether in the range from 0 to 58×10^{20} molecules/cm^3 during the transition from vapour to the liquid phase, i.e. 220 → 20°C. It is shown that all the spectral characteristics investigated change monotonically with concentration of ether and that there is no sudden change during the phase transition in the solvent. The results are fully tabulated and are also shown graphically. The dielectric constant changes from 1.0 at 220°C to 4.3 at 20°C while the

Card 1/2

The effect of medium ...

refractive index changes from 1.0 to 1.355. The peak of the absorption spectrum is displaced from 26.8 x $10^{-3}cm^{-1}$ at 220°C to 25.2 x $10^{-3}cm^{-1}$ at 20°C and the peak of the fluorescent spectrum is displaced from 23.0 x $10^{-3}cm^{-1}$ to 21.1 x $10^{-3}cm^{-1}$ for the same temperatures. The change in position and intensity of the absorption and fluorescent spectra is found to be in quantitative agreement with theory based on the assumption of internal fields. The dependence of the transition probability on temperature is determined with and without radiation and the intramolecular nature of the fluorescence extinction temperature is established. An estimate is made of the transfer of vibrational energy on collision between excited molecules and ether molecules. The accommmodation coefficient is estimated to be 0.1 and the duration of collisions 3 x 10^{-11} sec. There are 7 figures and 1 table.

SUBMITTED: May 18, 1961

Card 2/2

L 9843-63 EWT(1)/BDS--AFFTC/ASD/ESD-3/SSD--IJP(C)

ACCESSION NR: Ap3000579 S/0051/63/014/005/0624/0633

56

AUTHOR: Neporent, B. S.; Stolbova, O. V.

TITLE: Reversible orientational photodichroism in viscous solutions of complex substances

SOURCE: Optika i spektroskopiya, v. 14, no. 5, 1963, 624-633

TOPIC TAGS: dichroism, birefringence, dye solutions

ABSTRACT: The effect of reversible orientational photodichroism was discovered by the authors (Opt. i spektr., 10, 294, 1961) in investigating a birefringence effect discovered by Teitel, A. (Naturwiss., 44, 370, 1957). Reversible orientation photodichroism appears in viscous solutions of colored substances under irradiation with polarized light and disappears upon cessation

for the experiments. The photodichroism is considered to be connected with two

Card 1/2

L 9843-63
ACCESSION NR: AP3000579

competing processes: initial rotation of the molecule after absorption of a photon and a diffusive tendency to restore the system to its original isotropic state. Various possible molecular rotation mechanisms are considered; the steady-state value of the photodichroism is calculated on the basis of simple model concepts. The results of these calculations agree with the experimental data, but pending further investigations nothing definitive can be stated regarding the nature of the molecular

equations and 9 figures.

ASSOCIATION: none

SUBMITTED: 28Sep62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: PH NR REF SOV: 008 OTHER: 011

ja/nh

Card 2/2

ABSTRACT: The change in fluorescence-polarization rate along the luminescence spectrum was reinvestigated by the authors to show that a four-level scheme can be used to explain the spectra of complex molecules. Experiments showed that the polarization rate is 49.2 ± 0.5% for the longwave fluorescence spectrum. For the shortwave section of the spectrum the polarization rate cannot rise significantly. The dependence of the fluorescence spectrum of 2-acetylanthracene on excitation-light wavelength is a result of the presence of various luminescence centers in the system. The data in the literature also shows that

L 10747-63

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136610

Card 2/2

- 7 (2/50) -

BAKHSHIYEV, N.G.; NEPORENT, B.S.

Further on universal and specific interactions in solutions and "universal" solvent scales (in connection with V.V.Zelinskii and V.P.Kolobkov's article). Opt. i spektr. 16 no.2:351-359 F '64. (MIRA 17:4)

NEPORENT', B.S.; KISELEVA, M.S.

Use of infrared absorption spectra in measuring the moisture of gaseous mixtures. Part 1. Opt. i spektr. 16 no.5:803-812 My '64. (MIRA 17:9)

ACCESSION NR: AP4039257 S/0032/64/030/006/0758/0761

AUTHORS: Kalenichenko, Ya. I.; Kiseleva, M. S.; Neporent, B. S.

TITLE: Optical infrared hygrometer

SOURCE: Zavodskaya laboratoriya, v. 30, no. 6, 1964, 758-761

TOPIC TAGS: hygrometer, spectroscopic method, humidity, infrared radiation, optical system, absorbed gas, photometric property

ABSTRACT: The spectroscopic method for measuring humidity has been discussed, and an expression is given for infrared radiation absorption A as a function of temperature and pressure, or $A = 1 - T = a\sqrt{pl}\left(\frac{P}{P_o}\right)^k\left(\frac{T_o}{T}\right)^{k/2}$. The construction details and operation principles of a two-channel hygrometer with a built-in optical compensation scheme are described (see Fig. 1 of the Enclosure). The two-channel system eliminates errors connected with photometric properties of the instrument, contamination, and absorption. The optical and electric circuits indicate the possibility of measuring light beam intensities with 0.2 to 0.3% accuracy. In the 0.2-90 mm Hg pressure range of humidity measurement the maximum error is estimated at 2 to 3%.

Card 1/3

ACCESSION NR: AP4039257

Orig. art. has: 1 formula and 3 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 18Jun64 ENCL: 01

SUB CODE: OP NO REF SOV: 001 OTHER: 007

Card 2/3

ACCESSION NR: AP4039257

ENCLOSURE: 01

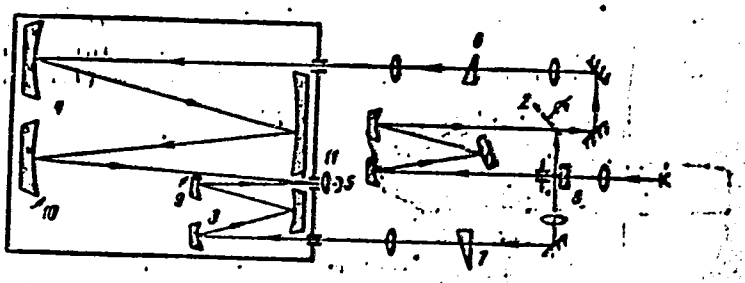

Fig. 1. Optical diagram of instruments
1- light source (SI-6-100 lamp), 2- rotating mirror, 3,4- two-channel multiple-pass cell, 5- zinc sulfide tube, 6- compensating wedge, 7- photometric wedge, 8- filter, 9,10- mirrors, 11-exit slit.

Card 3/3

L 15006-66 EWT(1)/FCC/T IJP(c) GW

ACC NR: AP6001645 SOURCE CODE: UR/0051/65/019/006/0923/0932

AUTHOR: Kiseleva, M. S.; Neporent, B. S.

ORG: none

TITLE: Use of infrared absorption spectra to measure the moisture content of gaseous mixtures. II. Use of high altitude measurements of solar spectra for determining the vertical distribution of water vapor in the atmosphere

SOURCE: Optika i spektroskopiya, v. 19, no. 6, 1965, 923-932

TOPIC TAGS: IR absorption, absorption spectrum, solar radiation, water vapor, atmospheric humidity

ABSTRACT: The authors attempt to evaluate the possibilities, accuracy and limits of applicability of the spectroscopic method for determining atmospheric humidity. Methods for determining the absolute values of the absorption function from high altitude measurements of infrared solar radiation are considered. It is shown that the method proposed in Part I of this series is applicable for this purpose. [illegible]

method consists of transition from measurements of spectral intensity to distribution

Card 1/2 UDC: 535.334 : 551.508.7

L 15006-66
ACC NR: AP6001645

of atmospheric water vapor with respect to altitude. The results of typical experiments by the authors and other research workers are considered. Agreement is shown between humidity values measured simultaneously with respect to various spectral channels. The data showed that when use is made of solar radiation spectra in which there is no rotational structure, the results of measurements of vertical distribution of atmospheric humidity at altitudes below 15 km in sections or bands at about 1.4, 1.9, 2.6 and 6.3 μ are in satisfactory agreement; this shows the reliability of the optic method. It is found that water vapor concentration is low at altitudes above 15-20 km, which agrees with the data in the literature. It is assumed that higher humidity concentrations observed in some cases are due to water being carried into the stratosphere with the observation equipment. It is shown that spectra with an unresolved rotational structure may be used for measurements below altitudes of 14-15 km. Spectra with a resolved rotational structure must be used at higher altitudes. The authors thank V. A. Fursenkov, I. V. Papalakhin and V. S. Bortkevich for

sions of the work with V. G. Rastrov (deceased) were extremely fruitful. Orig. art. has: 11 figures, 3 formulas.

SUB CODE: 08/ SUBM DATE: 15Sep64/ ORIG REF: 006/ OTH REF: 021

OC

Card 2/2

L 12145-66 EWT(1) IJP(c)

ACC NR: AP6001661 SOURCE CODE: UR/0051/65/019/006/0985/0986

44,55 44,55

AUTHOR: Mazurenko, Yu. T.; Neporent, B. S.

50 B

ORG: none

TITLE: The effect of low-density gases on the absorption of light by the vapors or aromatic compounds

SOURCE: Optika i spektroskopiya, v. 19, no. 6, 1965, 985-986

TOPIC TAGS: light absorption, gas, helium, photoluminescence, excitation energy, gas density, chemical compound, cyclic group

ABSTRACT: The authors note that investigations of the effect of extraneous gases on the photoluminescence of complex aromatic compounds have led to the discovery of a reduction in the absorption of exciting (energizing) radiation by the vapors of the sub tances tested when

reduction in the concentration of gases in the vessel caused by their thermodiffusion into a tap

Card 1/2 UDC: 535.34+533.15

L 12145-66

ACC NR: AP6001661

or branch piece which is at a lower temperature. The arrangement proposed is in agreement with fundamental experimental data and also with the observation that the addition of helium to the vapors of certain aromatic compounds causes the same changes in the form of their spectra as do corresponding reductions in their natural elasticities. Orig. art. has: 2 formulas.

SUB CODE: 07,20/ SUBM DATE: 15Apr65/ ORIG REF: 009/ OTH REF: 002

Card 2/2

NOVIKOV, S.Ya.; NEPOKENT, G.S.

Effectiveness of the production of furniture for one-family apartments. Der. prom. 12 no.4:16-17 Ap '63. (MIRA 16:10)

1. Spetsial'noye proyektno-konstruktorskoye byuro Upravleniya mebel'noy i derevoobrabatyvayushchey promyshlennosti Leningradskogo soveta narodnogo khozyaystva.

NEPORENT, M. I.

24410 NEPORENT, M. I. O narusheniyakh. Funktsiy zheludochno-Kishechnogo soust'ya posle rezektsii zheludka. Trudy Glav. voyen. Gospitalya voorush. Sil. SSSR. im Akad. Burdenko. VIP. 6, M., 1949. S. 107-12.

SO: Letopis, No. 32, 1949.

USSR/Human and Animal Physiology - Circulation. V-4

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18193

Author : M.I. Nevorent and V.G. Popov

Inst : The First Moscow Medical Institute.

Title : The Change in the Right Ventricle of the Heart in Hypertensive Disease.

Orig Pub : Tr. 1-go Mosk. med. in-ta, 1956, 1, 85-92

Abstract : In four dogs by means of angiocardiography hypertrophy of the left ventricle was seen 2 to 4 months after experimental renal hypertension was produced in them, and hypertrophy of the right ventricle was seen 4 to 10 months after. Permanent dilatation of the pulmonary artery was observed in all of the dogs.

Card 1/1

NEPOMNYASHCHIY, M.I., dotsent

Motor function of the jejunum. Khirurgiia 32 no.6:34-37 Je '56.
(MLRA 9:10)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

(JEJUNUM, physiol.
eff. of gastric juice acidity on jejunal peristaltic funct.)
(GASTRIC JUICE
acidity, eff. on jejunal peristaltic funct.)

NEPORENT, A. I.

SIVKOV, I.I.; POPOV, V.G.; NEPORENT, A.I.; SMETNEV, A.S.; MURAV'YEV, M.V.; YASTREBTSOVA, M.L.

Cardiac catheterization in acquired heart diseases. Terap.arkh. 29 no.3:37-51 Mr '57. (MIRA 10:8)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. V.N.Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova
(CATHETERIZATION, CARDIAC,
in acquired heart dis. (Rus))

NEPOMNYT, M. I.

NEPOMNYT, M.I.; ALEKSEYEVA, Ye.A.

Motor function of the small intestine in Addison-Biermer's anemia.
Terap.arkh. 29 no.3:85-89 Mr '57. (MLRA 10:8)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova
(ANEMIA, PERNICIOUS, physiology,
intestine, small, motor funct. (Rus))
(INTESTINE, SMALL, in various diseases,
anemia, pernicious, motor funct. (Rus))

NEPORENT, M.I. (Moskva, B.Molchanovka, D.36, kv. 1)

Selective angiopneumography in mitral stenosis. Vest. rent. i rad. 35 no. 4:17-22 Jl-Ag '60. (MIRA 14:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki (direktor - Geroy Sotsialisticheskogo Truda, deystvitel'nyy chlen AMN SSSR prof. V.N. Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(ANGIOGRAPHY) (MITRAL VALVE--RADIOGRAPHY)

NEPORENT, M. I.; SIVKOV, I. I.; YASTREBTSOVA, N. L.

Change in size of the left auricle in mitral stenosis. Terap. arkh. no.7:16-22 '61. (MIRA 15:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. V. N. Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I. M. Sechenova.

(MITRAL VALVE—DISEASES)
(HEART—HYPERTROPHY AND DILATATION)

NEPORENT, N.I.; SPESIVTSEVA, V.G.

Roentgenokymographic observations on contractile capacity of the heart in patients treated with I-131 for thyrotoxicosis. Med.rad. no.11:27-32 '61. (MIRA 14:11)

1. Iz fakul'tetskoy terapevticheskoy kliniki I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(HEART--RADIOGRAPHY) (IODIN--RADIOACTIVE)
(THYROID GLAND--DISEASES)

SIVKOV, I.I.; YASTREBTSOVA, N.L.; MASLYUK, V.I.; NEPORENT, M.I.

Evaluation of some functional tests in studying hemodynamic disorders of the lesser circulation in mitral stenosis. Vest. AMN SSSR 16 no.12: 55-65 '61. (MIRA 15:2)

1. I Moskovskiy ordena Lenina meditsinskiy institut imeni I.M.Sechenova.
(MITRAL VALVE--DISEASES) (PULMONARY CIRCULATION--DISEASES)

NEPORENT, M.I., dotsent; SPASSKAYA, V.A.

Diagnosis of chronic nonspecific pneumonia. Terap.arkh. 33 no.2:77-81 F '61. (MIRA 14:3)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N. Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(PNEUMONIA)

NEPORENT, M.I.; LEYZEROVSKAYA, E.G.

Some characteristics of the clinicoroentgenological picture of suppurative processes in the bronchi of patients treated with antibiotics. Sov. med. 28 no.4:38-42 Ap '64.

(MIRA 17:12)

1. Fakul'tetskaya terapevticheskaya klinika (direktor - prof. V.N. Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

NEPORENT, O. I.

36162 Organizatsiya proizvodstvennogo protsessa i yeye vliyaniye na konstruktsii stankov. V sb: Spetsializir. Stanki v mashinostroyenii. M-L., 1949, S. 197-99.

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

REPORT [redacted]

Determining and standardizing lot sizes in mass production. (MLRA 10:7)
Trudy LPI no.186:60-68 '56.
(Machinery industry)

NEPORENT, O.I.

25(5) ϕ 3 PHASE I BOOK EXPLOITATION SOV/1212

Potochnyye metody proizvodstva v seriynom mashinostroyenii i priborostroyenii (Assembly-line Methods in Serial Manufacturing of Machinery and Tools) Moscow, Mashgiz, 1958. 325 p. 3,500 copies printed.

Eds.: Berman, A.G., Candidate of Economic Sciences, and Neymark, A.I., Candidate of Technical Sciences; Eds. of Publishing House: Varkovetskaya, A.I., and Chfas, M.L.; Tech. Ed.: Sokolova, L.V.; Managing Ed. for Literature on Technical Machine Building (Leningrad Division, Mashgiz): Naumov, Ye. P.

PURPOSE: This book is intended for production managers, dispatchers, and engineering personnel engaged in the production of machinery and instruments. It may also be useful to scientific workers, planning personnel, and vtuz students specializing in industrial engineering.

Card 1/8

COVERAGE: The book contains background material for the 1958 Conference on Methods of Line Production scheduled under the auspices of the Committee on Production Organization of the Leningrad regional administration NTO of the machinery manufacturing industry. The Committee's recommendation for this Conference was prompted by the inadequate development of line production methods and techniques in Leningrad plants specializing in series [large-scale] production of machinery and instruments. Theoretical studies based on Soviet industrial practices are presented in Part I of this book. Part II discusses the introduction and development of line production methods in Leningrad plants while Part III reviews foreign literature and some of the more pertinent problems of line production as seen by foreign authors. There are no references.

TABLE OF CONTENTS:

PART ONE. BASIC PROBLEMS OF CALCULATING AND ORGANIZING LINE PRODUCTION IN SERIES [LOT] MACHINERY AND INSTRUMENT MANUFACTURING

Assembly-line Methods in Serial Manufacturing (Cont.) SOV/1212

PART THREE. FOREIGN EXPERIENCE IN ORGANIZING LINE PRODUCTION IN SERIAL [LOT] MACHINERY AND INSTRUMENT MANUFACTURING

AVAILABLE: Library of Congress

MG/dsv
3-13-59

Card 5/5

NEPORENT, O.I.

Standard structure of a regular production flow process (modules of a regular flow process). Trudy LIP no.227:135-145 '63.
(MIRA 17:4)

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, page 297, Mar-Apr 1954

Abstract : It was assumed that the continuous spectra of complex organic compounds are due to the overdistribution of oscillatory energy within the molecule. In order to verify this assumption the authors investigated the fluorescence and absorption spectra of nine phthalimide derivatives in gaseous and dissolved states. The results obtained are briefly summarized. One USSR reference (1947 and 1951).

Institution : .....

Submitted : .....

REPORENT, V. I. Physician Cand. Med. Sci.

Dissertation: "The Characteristics of the Histopathological Changes in the Brain in Cases of Chronic Lethargic Encephalitis." Second Moscow State Medical Inst. imeni I. V. Stalin, 7 Apr 47.

SO: Vechernyaya Moskva, Apr, 1947 (Project #17836)

STEPANOVA, B.I.; NEPORENTA, B.S.; ALENTSEVA, M.N.; PAKHOMYCHEVA, L.A.

Discussions of the reports of B.I.Stepanov, B.S.Neporent, M.N.Alentseva and L.A.Pokhamycheva. Izv.AN SSSR.Ser.fiz. 22 no.11:1379 N '58. (MIRA 11:12)

(Luminescence)

PROTOPOPOV, S., master-povar; NEPOROZHNEV, V., master-povar

Advice to the cook. Obshchestv.pit. no.8:15-16 Ag '62.
(MIRA 16:10)

1. Glavnyy kulinar Upravleniya obshchestvennogo pitaniya Moskovskogo gorodskogo ispolnitel'nogo komiteta (for Protopopov).
2. Zaveduyushchiy proizvodstvom stolovoy No.32 tresta stolovykh Oktyabr'skogo rayona Moskvy (for Neporozhnev).

NEPOROZHNIY, O.S. [Neporozhniy, O.S.], agronom-vinogradar'; TSESHKOVSKIY, F.M., [TSeshkovs'kyi, F.M.], red.; NEMCHENKO, I.Yu., tekhn. red.

[Let's obtain an abundance of grapes] Stvoryno dostatok vynohradu. Kyiv, Derzh. vyd-vo sil'khoz. lit-ry URSR, 1959. 172 p. (MIRA 14:5)

(Ukraine--Viticulture)

NEPOROZHNIY, P. S.

Protection of Hydroelectric Power Stations from Flooded Streams. State Power Press, Moscow-Leningrad, 1947, 164 pages.

U-2392, 22 Sep 52

NEFORCZHNIY, P. S.

29002 Gidrotransport tyazhelykh glinistykh i morennykh gruntov. Gidrotekhn. Stroit-vo, 1949, No. 9, S. 18-21

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

NEPOROZHNITY, P., S.,

Pa. 173T45

USSR/Engineering, Sluices Sep 50

"Placing of Concrete With Conveyor in Construction of a Sluice," P. S. Neporozhniy, Engr

"Gidrotekh Stroi" No 9, pp 6-11

Control drilling with subsequent forcing of water into hole suggested as method for addnl control of quality and homogeneity of concrete. Method viewed as more economical than placing concrete with crane, but matter is open to discussion.

[redacted] 173T45

NEPOROZHNIY, P. S.

"Adoption of the belt conveyors in the production of concrete at Verkhne-Svirskaya Hydroelectric Power Plant," Mechanization of Labor-Consuming and Heavy Work, [illegible]
(1951)

USSR/Engineering - Hydraulics, Structures — Jul 51

"Experience of Installing Reinforcing Rods and Concrete Molds at Large Hydraulic Construction Works," P. S. Neporozhniy, Engr

"Gidrotekh Stroi" No 7, pp 3-9

Describes operational procedure during erection of dam, powerhouse and sluice structures, which used about 23,500 tons of concrete reinforcing rods and required installation of 200,000 sq m of falsework. Rate of prepg and assembling reinforcements was 1,200-1,500 tons per mo. Welded

199T57

USSR/Engineering - Hydraulics, Structures (Contd) — Jul 51

rod structures and absorbing materials for falsework were used when suitable. Gives conclusions and suggestions.

199T57

NEPOROZHNIY, P. S.

NEPOROZHNIY, P.S.

USSR/Engineering Hydraulics, Structures Aug 51

"Observations on Concrete Placing in Large Hydraulic Construction Works," P. S. Neporozhniy, Engr

"Gidrotekh Stroi" No 8, pp 1-6

Describes equipment used for transportation and placing of concrete and compares methods for placing concrete by means of buckets and with the aid of dump trucks. In winter time concrete mixt was released from plant in preheated state. Discusses preventive measures against cooling on trucks.

200T76

NEPOROZHNIY, P. S.

USSR/Engineering - Construction, Oct 51
Concrete

"Observations on the Operation of Concrete-Making Facilities on Large-Scale Hydraulic Engineering Works," P. S. Neporozhniy, Engr

"Gidrotekh Stroi" No 10 pp 20-23

Describes layout and operation of concrete plant, consisting of 8 mixers of 2,200-liter capacity each, and measures for automatization of concrete preparing and releasing operations. Facilities were designed for producing 340,000 cu m yearly.

201T105

NEPOROZHNIY, P. S.

Concrete

Continuous automatic preparation, transportation and laying of hydraulic concrete, flowing with great intensity. Stroi. prom., No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

NOVOROZHNIY, P. S.

Dams

"Spanning a river bed with a barrage." Gidr. stroi. 21 no. 6, 1952.

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

NEPOROZHNIY, P.S., inzhener.

Experience in simultaneous building and installation work. Gidr.stroi. 22 no.6:1-7 Je '53. (MLRA 6:6)
(Hydroelectric power stations)

NEPOROZHNIY, P.S., inzhener.

Technology of continuous automatic manufacture, transportation and placement of concrete. Gidr.stroi. 22 no.7:1-7 Jl '53. (MLRA 6:7)
(Concrete construction)

NEPOROZHNIY, P.S.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Zhurin, V.D. Idashkin, V.I. Shchelkanov, V.I. Neporozhniy, P.S. Deynego, Yu.B. Ivyanskiy, G.B. Ogurtsov, A.I. Nikonov, G.P.	"Popular Scientific and Technical Series for Engineering and Technical Workers, and Workers on Large Hydraulic Engineering Constructions"	All-Union Scientific Engineering and Technical Society of Constructors

SO: W-30604, 7 July 1954

NEPOROZHNIY, Petr Stepanovich; STOL'NIKOV, V.V., redaktor; GINZBURG, Ts.G., redaktor; [illegible]ODINA, A.A., tekhnicheskiy redaktor.

[Construction experience in building hydroelectric power installations; concrete work] Iz opyta stroitel'stva pripletinnoi gidroelektrostantcii betonnye raboty. Moskva, Gos. energ. izd-vo, 1954. 96 p. (MLRA 8:5)
(Hydroelectric power stations)
(Concrete construction)

Card 1/1 : Pub. 71 - 2/17

Authors : Neporozhniy, P. S.

Title : The mechanization of production of concrete structures in Kakhovka hydroelectric power station

Periodical : Mech. trud. rab. 5, 5-10, July 1954

Abstract : General description of the layout of the Kakhovka hydroelectric power station is presented, together with the description of mechanized methods and equipment used for production of concrete structures. Table; drawings; diagrams.

Institution : .....

Submitted : .....

NEPOROZHNIY P.S., kandidat tekhnicheskikh nauk.

Experience in organizing and operating a large stone quarry and stone crushing plant. Gidr.stroi. 23 no.4:7-11 '54. (MLRA 7:7)
(Quarries and quarrying)

NEPOROZHNIY, P. S.

P. S. Neporozhniy, Iz opyta stroitel'stva krupnoy priplotinnoy GES. Betonnyye rabor (Experience in the Construction of a Great Dam-Side Hydroelectric Station. Concrete Work), Gosenergoizdat, 10 sheets, 3,000 copies

The book states the procedures and methods of performing concrete work during the construction of a great dam-side hydroelectric station, and gives an estimate of their efficiency under specific construction conditions.

Intended for engineers and technicians employed in the construction of hydroelectric stations.

SO: U-6472, 23 Nov 1954

NEPOROZHNIY, Petr Stepanovich, kandidat tekhnicheskikh nauk; SMIRNOV, N.N., inzhener, redaktor; TOKER, A.M., tekhnicheskiy redaktor

[Experience in continuous concrete placement in building hydraulic engineering structures] Opyt nepreryvnogo betonirovaniia na stroitel'stve gidrotekhnicheskikh sooruzhenii. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1955. 48 p. (MLRA 8:7)
(Concrete construction)

NEPOROZHNIY, Petr Stepanovich, kandidat tekhnicheskikh nauk; TEPLYAKOVA, A., redaktor; ZHELEZNOVA, Ye., tekhnicheskiy redaktor.

[Reinforcement technology for massive and precast concrete work] Tekhnologiia armaturnykh rabot massivnogo i sbornogo zhelezobetona. Kiev, Gos.izd-vo lit-ry po stroit. i arkhitekture USSR, 1955. 147 p. (MLRA 9:5)

(Reinforced concrete construction)(Precast concrete construction)

NEPOROZHNIY, P. S., Doc of Tech Sci -- (diss) "Fundamentals of rational erecting technology of [redacted] large concrete and reinforced concrete buildings." Kiev, 1957, 35 pp, (Kiev Engineering-Design Institute), 100 copies (KL, 30-57, 109)

NEPOROZHNYY, Petr Stepanovich, kandidat tekhnicheskikh nauk; DANILKINA, N., redaktor; [illegible], tekhnicheskiy redaktor

[Forms for monolithic and precast reinforced concrete and concrete] Opalubka monolitnogo i sbornogo zhelezobetona i betona. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1957. 142 p. (MLRA 10:7)
(Concrete construction--Formwork)
(Precast concrete)

NEPOROZHNIY, P.S.

ADRIANOV, F.K.; ANDRIANOV, S.M.; BEREZIKOV, B.S.; GOLOVKO, V.G. [Holovko, V.H.]; DOBROVOL'SKIY, A.V. [Dobrovol's'kyi, A.V.]; DOVGAL', M.F. [Dovhal', M.F.]; YELIZAROV, V.D. [Elizarov, V.D.]; ZHIZDRINSKIY, V.M. [Zhyzdrynus'kyi, V.M.]; ZVENIGORODSKIY, O.M. [Zvenigorods'kyi, O.M.]; ZAYCHENKO, R.M. [Zaichenko, R.M.]; IVANENKO, Ye.I. [Ivanenko, IE.I.]; KOMAR, A.M.; KOS'YANOV, O.M.; KAZAKOV, O.I.; KOSENKO, S.K.; KLIMENKO, T.A.; KIR'YAKOV, O.P.; KALISHUK, O.L.; LELICHENKO, M.T.; LEBEDICH, M.V.; MIKHAYLOV, V.O. [Mykhailov, V.O.]; MOROZ, I.I.; MOSHCHIL', V.Yu. [Moshchil', V.IU.]; NEPOROZHNIY, P.S. [Neporozhnii, P.S.]; NEZDATNIY, S.M. [Nezdatnyi, S.M.]; NOVIKOV, V.I.; POLEVOY, S.K. [Polevoi, S.K.]; PEREKHREST, M.S.; PUZIK, O.Ye. [Puzik, O.E.]; RADIN, K.S.; SLIVINSKIY, O.I. [Slivins'kyi, O.I.]; STANISLAVSKIY, A.I. [Stanislavs'kyi, A.I.]; USPENSKIY, V.P. [Uspens'kyi, V.P.]; KHORKHOT, O.Ya.; KHILYUK, F.P.; TSAPENKO, M.P.; SHVETS, V.I.; MAL'CHEVSKIY, V. [Mal'chevs'kyi, V.], red.; ZELENKOVA, Ye. [Zelenkova, E.], tekhn.red.

[The Ukraine builds] Ukraina buduie. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i arkhit., 1957. 221 p. (MIRA 11:5)
(Ukraine--Construction industry)

NEPOROZHNIY, P.S., kand.tekhn.nauk

Using precast reinforced concrete in constructing large concrete installations. Mov.v stroi.tekh. no.11:5-19 '57. (MIRA 10:12)
(Precast concrete construction)

NEPOROZHNIY, Petr Stepanovich [Neporozhnii, P.S.]; ZHELEZNYAK, I.A., kand. tekhn.nauk, red.; POLOTAY, A.M., red.

[Large hydroelectric power stations and their role in the electrification of the Ukrainian SSR] Potuzhni hidroelektrostantsii ta ikh rol' v elektryfikatsii Ukrains'koi RSR. Kyiv, 1958. 45 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.4, no.2) (MIRA 11:6)

1. Zastupnik golovi Derzhplanu URSR (for Neporozhniy)
(Ukraine--Hydroelectric power stations)

P.5.

NEPOROZHNIY, Petr Stepanovich, prof.; FILAKHTOV, A.L., kand.tekhn.nauk, dots.; nauchnyy red.; DANILKINA, N.V., red.; ZELENKOVA, Ye.Ye., tekhn.red.

[Erection of large concrete and reinforced concrete hydraulic structures; principles of efficient technology] Vozvedenie krupnykh betonnykh i zhelezobetonnykh gidrotekhnicheskikh sooruzhenii; osnovy ratsional'noi tekhnologii. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1958. 700 p. (MIRA 11:5)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR i USSR (for Neporozhniy)
(Hydraulic engineering) (Concrete construction)

NEPOROZHNIY, P.S.

[Problems and objectives in the construction of power engineering systems in the U.S.S.R.] Zadachi i puti sovershenstvovaniia energeticheskogo stroitel'stva SSSR. Moskva, Gosenergoizdat, 1959. 45 p. (MIRA 16:2)
(Power engineering) (Electric power plants)

SOV/98-59-7-4/22

14(10)
AUTHOR: Neporozhniy, P. S., Rutkovskiy B. I., and El'b, N. K.
Engineer

TITLE: Rubber Caulking for Warping Seams in Canal Linings

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 7, pp 18 - 22 (USSR)

ABSTRACT: The process described is one applied in this case to the North Donets-Donbass canal, which is lined with sectional ferro-concrete sheets, with provision for draining (Fig 1). In view of the necessity for good draining, the caulking of the concrete sheets is of extreme importance, and the use of rubber for this purpose, for the first time in the USSR but common now in many countries, has proved to be preferable due to its durability, flexibility, cheapness and its waterproof properties. Fig 2 shows the tapered edge of the concrete sheets and the 7x2 cm. recesses cut into them, into which 2mm thick rubber strips are affixed by means of an adhesive and sealed with a metal-reinforced sand/cement mixture. Three alternative methods of sealing are given, all of which proved to be unsuited for the purpose. The width of

Card 1/3

Rubber Caulking for Warping Seams in Canal Linings

the free (unglued) part of the rubber strip (see Fig 2) is determined by the formula

$$b = \frac{S \times k \times 100}{\Delta \ell} + a$$

where b = the width of the free part of the strip; S = the greatest relative amount of slip between plates, in cm.; k = coefficient of heterogeneity of the caulking material; $\Delta \ell$ = the relative elongation of the rubber at breaking-strain, in %; a = breadth of the caulk between plates. The thickness of the rubber strip was determined according to the formula

$$\frac{P}{F} = \frac{\sigma}{k}$$

where P = pressure on caulk in kgs.; F = the area of the cross-section of the caulk; σ = breaking strain in kgs/cm^2. Blowtorches, autogenous welding apparatus and electric reflector lamps are used to ensure absolute dryness of the concrete base prior to adhesion of the rubber, and the surfaces of the recesses

Card 2/3

Rubber Caulking for Warping Seams in Canal Linings

are smoothed out by an electric grinding-tool to the nearest 2-3 mm. A brief description of the preparation of the rubber, its cutting into strips, the smoothing-out of one side and the application of the adhesive is then given, and Fig 3 shows a 12kg roller used for rolling the strips flat once glued in place. It is stressed that the time factor is all-important in the process in order to provide for the correct amount of set in the adhesive. The reinforced concrete mixture described above is then inserted on top of the strips. Figures are given for the cost, amount and dimensions of the rubber used. In the case of monolithic concrete casing-sheets the process is simpler, special cylindrically-edged rubber strips being inserted directly in between two halves of the concrete slabs as they are molded, and then laid in one piece (Fig 4), with tarred plywood separating the concrete sheets when they are in place. The article ends with a note on the properties required of the rubber and adhesive used in the process. There are 3 photographs, 2 diagrams, and 2 tables.

Card 3/3

STEKLOV, V.Yu.; NEPOROZHNIY, P.S., red.; TISTROVA, O.N., red.; VORONIN, K.P., tekhn.red.

[Fortieth anniversary of the plan of the State Commission for the Electrification of Russia] 40 let plana GOELRO; sbornik materialov. Pod obshchei red. P.S.Neporozhnego. Moskva, Gos. energ.izd-vo, 1960. 365 p. (MIRA 14:3)
(Electrification)

NEPOROZHNIY, Petr Stepanovich; FILAKHTOV, Aleksey Lazarevich; PYSHKIN, B.A., red.; PECHKOVSKAYA, O.M., red.izd-va; SKLYAROVA, V.S., tekhn.red.

[Experience in building hydroelectric power units] Opyt stroitel'stva gidroenergouzlov. Kiev, Izd-vo Akad.nauk USSR, 1960. 349 p. (MIRA 13:4)

1. Chlen-korrespondent AN USSR (for Pyshkin).
(Hydroelectric power stations)

NEPOROZHNIY, P.S.; TISTROVA, O.N., red.; BORUNOV, N.I., tekhn. red.

[Problems of overall electrification and technological progress in the construction of electric power systems in the U.S.S.R.] Problemy sploshnoi elektrifikatsii SSSR i tekhnicheskii progress v energostroitel'stve. Moskva, Gos. energ. izd-vo, 1960. 44 p. (MIRA 14:6)

(Electric power)

NEPOROZHNIY, P.

Electric power stations are being built with industrial methods.
Na stroi. Ros. no.3:2-5 D '60. (MIRA 14:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR.
(Electric power plants)

S/098/60/000/005/001/004
B019/B067

AUTHOR: Neporozhnyy, P. S., Member of the AC and A UkrSSR and USSR, Doctor of Technical Sciences, Professor

TITLE: Developmental prospects of the power systems of the USSR

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, no. 5, 1960, 2-8

TEXT: Table 1 shows the planned development of power generation in the Soviet Union. Power generation is divided according to the following territories: Ob"yedinennaya Tsentral'naya energeticheskaya sistema (OES), Energeticheskiy rayon (ER), and Energosistema (ES), i.e., the ES Srednego Povolzh'ya (ES of the Volga region), Yuzhnaya OES (South OES), Severo-Kavkazskaya ES (North-Caucasus ES), Zakavkazskaya ES (Transcaucasia ES), Severo-Zapadnaya OES (North-West OES), Kol'sko-Karel'skaya ES (Kola-Karelia ES), OES Urala (OES Ural), OES Tsentral'noy Sibiri (OES Central Siberia), OES Zabaykal'ya i Dal'nego Vostoka (OES Transbaikal and Soviet Far East), ER Yakutskoy ASSR, (ER Yakutskaya ASSR), ER Magadanskoy oblasti (ER Magadanskaya oblast'), ER Kamchatskoy oblasti (ER Kamchatskaya oblast'), Sakhalinskaya ES. Furthermore, the establishment of power systems is plan-

Card 1/5

ned in the Kazakhskaya SSR and in the republics of [Soviet] Central Asia. Between 1959 and 1975 the following power systems shall be established on the basis of the above OES, ES, and ER: Yedinaya Yevropeyskaya energosistema (YeYeES) (Joint European Power System) by 1965, a North-west system, a North and Transcaucasus system, a North Kazakhstan system, a Central Asia system, and a Far East OES by 1975. Table 2 gives data on the individual systems and their planned development. At present, the YeYeES consists of the OES Tsentra (OES Center) OES Yuga (OES South), and the OES Urala (OES Ural). In these systems, the power plants of the Volzhskaya ges imeni V. I. Lenina (Volga GES imeni V. I. Lenin) are connected with Moscow and the Ural, and the Stalingradskaya ges (Stalingrad GES) with Moscow by 400-500-kv lines. A 220-kv line connects the Stalingrad GES, the Tsimlyanskaya ges (Tsimlyansk GES), and the Nesvetaygres with the Donbass. Furthermore, the author reports on the establishment of new d-c and a-c transmission lines between the Konakovskaya gres (Konakovo gres) and other power plants and some industrial centers. Details of the planned power supply are given. The Transcaucasian OES unites the power systems of Azerbaydzhan, Gruziya, and Armeniya where power is generated by water and

Developmental prospects of...

gas. The Northwest OES unites the power systems of Leningrad, Estoniya, Latviya, Belorussiya, and Kaliningrad. The Central Siberian OES unites the power systems of Irkutsk, Krasnoyarsk, Kuzbass, Novosibirsk, Tomsk, and Barnaul. The North-Kazakhstan unites the power systems of Karaganda, Pavlodarsk, and Altay. The Central Asian OES unites the power systems of the Tadzhikskaya SSR and the Uzbekskaya SSR, of South-Kirgiziya, East Turkmeniya, and also of South Kazakhstan. The development of the OES of Transbaykal and the Far East are intended to be completed by 1975. Furthermore, the author discusses the development of transmission lines and stresses the great economic advantage of establishing an efficient transmission line between the YeYeES and the Siberian YeES. There are 4 tables and 1 Soviet-bloc reference.

Legend to Table 1: 1) power generation, billion kwh; 2) thermal power plants; 3) hydroelectric power plants; 4) available power, billion kwh; 5) number of hrs of the consumption of available power.

Card 3/5

S/098/60/000/005/001/004
B019/B067

Developmental prospects of...

Показатели	Годы				
	1958	1965	1970	1975	1980
1 Выработка электроэнергии, млрд. квт·ч	235	540	940	1 550	2 400—2 600
В том числе:					
2 тепловыми электростанциями, млрд. квт·ч	189	440	750	1 220	1 910
%	80	82	80	79	80
3 гидроэлектростанциями, млрд. квт·ч	46	100	190	330	490
%	20	18	20	21	20
4 Установленная мощность электростанций, млн. квт	53,6	121	190	300	480
В том числе:					
2 тепловых, млн. квт	42,8	93	142	225	370
%	80	77	75	75	77
3 гидроэлектростанций, млн. квт	10,3	28	48	75	110
%	20	23	25	25	23
5 Число часов использования установленной мощности	4 400	4 500	4 900	5 100	5 000

Tab. 1

Card 4/5

S/098/60/000/005/001/004
B019/B067

Developmental prospects of ...

Tab.2 1

Наименование ОЭС	Годы								
	1965			1970			1975		
	2 Суммарное электропотребление, млрд. квт·ч	3 Максимум нагрузки, млн. квт	4 Доля гэс в покрытии электропотребления, %	2 Суммарное электропотребление, млрд. квт·ч	3 Максимум нагрузки, млн. квт	4 Доля гэс в покрытии электропотребления, %	2 Суммарное электропотребление, млрд. квт·ч	3 Максимум нагрузки, млн. квт	4 Доля гэс в покрытии электропотребления, %
Единая Европейская	300	60	12	580	100	12	900	160	13
Закавказская[1]	22	3,5	—	32	5,5	33	49	9	33
Северо-Западная[1]	32	6,3	19	51	10	13	77	16	15
Центрально-Сибирская	76	11	—	180	30	70	300	50	70
Северо-Казахстанская	—	—	—	50	7,5	15	100	15	8,5
Среднеазиатская	19	3,3	—	44	7	—	70	13	35
Забайкалья и Дальнего Востока	—	—	—	20	4	—	40	7	45

Legend to Table 2: column 1 from top to bottom: YeYeES, Transcaucasian OES, Northwest OES (both connected with YeYeES by 1975), Central Siberian OES, North Kazakhstan OES, Central Asian OES, Transbaykal and Far East OES; 2) total demand of power, billion kwh; 3) maximum load, billion kwh; 4) contribution of hydroelectric power plants to power supply, %.

Card 5/5

NEPOROZHNIY, P.S. (Moskva); BELYAKOV, A.A. (Moskva); RUSSO, G.A. (Moskva); BOROVOY, A.A. (Moskva); NEKRASOV, A.M. (Moskva); MILOSLAVSKIY, N.A. (Moskva); ROKOTYAN, S.S. (Moskva); EAZGON, V.N., inzh.; TSVERAVA, G.K., inzh. (g.Boksitogorsk)

Principal trends in over-all electrification. Elektrichestvo no. 11:87-90 N '60. (MIRA 13:12)

1. Mosenergo (for Razgon).
(Electrification)

NEPOROZHNIY, P.S., prof., doktor tekhn.nauk; SUKHOTSKIY, S.F., inzh., laureat Stalinskoy premii.

Immediate objectives in developing and increasing technical standards of the rock-products industry. Stroi. mat. 6 no.6: 3-5 Je '60. (MIRA 13:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Neporozhniy).
(Quarries and quarrying) (Sand and gravel plants)

NEPOROZHNIY, P.S.

Basis of success. Nauka i zhizn' 27 no. 4:14-15 Ap '60.
(MIRA 14:5)
(Electrification)

NEPOROZHNIY, P., doktor tekhnicheskikh nauk, prof.

Dam built on a conveyer. Tekh. mol. 28 no. 3:4 '60. (MIRA 14:4)
(Dams) (Precast-concrete construction)

NEPOROZHNIY, P.S., doktor tekhn.nauk, prof.

General aspects of electric power consumption in the U.S.S.R. Gidr.stroi. 29 no.3:4-7 Mr '60. (MIRA 13:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury USSR.

(Electric power)

NEFOROZHNIY, P.S.

Methods for improving construction of power engineering installations. Gidr.stroi. 30 no.2:1-6 F '60. (MIRA 13:5)

1. Pervyy zamestitel' Ministra stroitel'stva elektrostantsiy.
(Electrification)

NEPOROZHNIY, P.S., doktor tekhn.nauk, prof.

Outlook for the development of electric power systems in the U.S.S.R.
Gidr. i stroi. 30 no.5:2-8 My '60. (MIRA 14:5)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury USSR i SSSR.

(Electric power production)

NEPOROZHNIY, P.S.

Role of construction-industry plants in power-station construction.
Gidr. stroi. 30 no.11:1-5 N '60. (MIRA 13:10)

1. Pervyy zamestitel' Ministra stroitel'stva elektrostantsiy.
(Building materials industry) (Electric power plants)

NEPOROZHNIY, P.S., doktor tekhn.nauk, prof.

Technical progress of power developments and problems in the complete electrification of the U.S.S.R. Gidr. stroi. 31 no. 12:16-22 D '60. (MIRA 14:4)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR i USSR.
(Electric power plants—Design and construction)

NEPOROZHNIY, Petr Stepanovich; FILAKHTOV, A.L., red.; BORUNOV, N.I., tekhn. red.

[Electrification and power engineering construction] Elektrifikatsiia i energeticheskoe stroitel'stvo. Moskva, Gos.energ. izd-vo, 1961. 189 p. (MIRA 15:1)
(Electrification) (Power engineering)

NEPOROZHNIY, P.

Electrification is a pivoting point of the program for developing a communist economy. Vop. ekon. no.12:16-25 D '61. (MIRA 14:11)

1. Zamestitel' ministra stroitel'stva elektrostantsiy.
(Electrification)

NEPOROZHNIY, P.S., inzh.

Mechanization of hydraulic construction at a new level. Gidr. stroi. 18 no.10:3-9 O '61. (MIRA 14:11)

1. Zamestitel' Ministra stroitel'stva elektrostantsiy.
(Hydraulic structures)
(Building machinery)

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; LAVRENENKO, K.D.; BONDAREV, N.M.; FINOGENOV, Ya.I.; PLATONOV, N.A.; SHIKHOKOV, I.S.; BELYAKOV, A.A.; SEVAST'YANOV, V.I.; ERISTOV, V.S.; ERISTOV, V.S. RAZIN, N.V.; MHATSAKANOV, L.N.; PLATONOV, V.A.; SHKUNDIN, B.M. SHKUNDIN, B.M.; ROZANOV, K.A.; LIVSHITS, A.Ya.; LOPATIN, N.A.; BYSTROV, P.S.

Sergei Borisovich Fogel'son. Gidr. stroi. 31 no. 1:59-60 Ja '61. (MIRA 14:2)

(Fogel'son, Sergei Borisovich, 1911-1960)

NEPOROZHNIY, P.S., prof., doktor tekhn.nauk

New stage and accompanying tasks in hydroelectric-power construction in the U.S.S.R. Gidr. stroi. 31 no.7:6-10 Jl '61. (MIRA 14:7)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury USSR i SSSR.

(Hydroelectric power stations)

GUBAREV, Vladimir Stepanovich; NEPOROZHNIY, Petr Stepanovich; CHERNIKOVA, M.S., red.; POPOV, N.D., tekhn. red.

[Rapid development of electrification] Elektrifikatsiia operezhaiushchaia. Moskva, Sovetskaia Rossiia, 1962. 66 p. (MIRA 15:7)

(Electrification)

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; GANICHEV, I.A.; LAVRENENKO, K.D.; FINOGENOV, Ya.I.; ALEKSANDROV, D.Ya.; SERDYUKOV, N.P.; KUDRYAVTSEV, L.N.; PETROV, A.N.; BANNIK, V.P.; VOLKOV, I.M.; MEL'NIKOV, B.V.; STAROSTIN, I.A.; BUBNOVSKIY, G.A.; SUVORIN, F.Ya.; GRITSAY, B.I.; SKUPKOV, A.A.; BAMSHTEYN, Ye.B.; TURCHIN, N.Ya.

IUrii Nikolaevich Pongil'skii; obituary. Energ. stroi. no.27:99 '62. (MIRA 15:9)
(Pongil'skii, IUrii Nikolaevich, 1925-1962)

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; GINZBURG, S.Z.; BELYAKOV, A.A.; ERISTOV, V.S.; VOZNESENSKIY, A.N.; IVANISOV, N.M.; BOROVOY, A.A.; TERMAN, I.A.; ALEKSANDROV, B.K.; YURINOV, D.M.; NOSOV, R.P.; MIKHAYLOV, A.V.; NICHIPOROVICH, A.A.; ABELEV, A.S.; PROSKURYAKOV, B.V.; MENKEL', M.F.; KRITSKIY, S.N.; BELYY, L.D.

Mikhail Evgen'evich Knorre. Gidr. stroi. 32 no.5: My '62. (MIRA 15:5)

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