BELOBORODOVA, O.G.

Water consumption and agrometeorological foundation of irrigation regimes for farm crops in southeastern Kazakhstan. Meteor. i gidrol. no.12:31-33 D '61. (MIRA 14:11)
(Trans-Ili Ala-Tau region--Field crops--Water requirements)

BELOBORODOVA, G.G.

Meteorological conditions and the yield of pasture vegetation in the Bet-Pak-Dala. Trudy Inst. bot. AN Kazakh. SSR 18: 87-112 '64 (MIRA 18:2)

BELOBORODOVA, G.G.

Agrometeorological conditions for the formation of pasture vegetation crops of typical northern deserts of Kazakhstan. Trudy KazNIGMI no.21:16-31 '64. (MIRA 17:11)

BELOBORODOVA, L.I.; KEDO, A.A.

Clinical picture and treatment of hypervitaminosis D in infants. Vop. okh. mat. i det. 6 no.7:48-51 Jl '61. (MIRA 14:8)

1. Iz 1-y kafedry detskikh bolezney (zav. - prof. N.A.Shalkov) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M.Kirova (dir. - dotsent A.Ye.Kiselev) i ob"yedinennoy detskoy bol'nitsy imeni K.A.Raukhfusa (glavnyy vrach Yu.S.Chistyakova).
(HYPERVITAMINOSIS) (VITAMINS—D)

BELOBORODOVA, L.I.

Determining the saturation of blood with oxygen in children using the cuvette oxyhemometer. Vop. okh. mat. i det. 7 no.2:33-36 F '62. (MIRA 15:3)

1. Iz 1-y kafedry i kliniki detskikh bolezney (zav. - prof. N.A. Shalkov) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M. Kirova (dir. A.Ye. Kiselev).

(BLOOD--OXYGEN CONTENT)

BELOBORODOVA, L.N., mladshiy nauchnyy sotrudnik

Economic method for applying hexachloran against the cabbage maggot. Zashch.rast.ot vred.i bol. 5 no.3:39 Mr '60.
(MIRA 16:1)
(Yakutia--Cabbage maggot--Extermination)
(Benzene hexacholoride)

BELOBORODOVA, M.S.; ZAYKO, N.S.

Characteristics of the reaction of the gustatory receptor in glossalgia. Stomatologiia 39 no.6:27-30 N-D '60. (MIRA 15:1)

1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. M.N. Ye.Ye.Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dotsent G.N.Beletskiy) i laboratorii fiziologii i patologii organov chuvstv (zav. - prof. P.G.Snyakin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR (dir. - prof. V.V.Parin).

(TONGUE--DISEASES) (TASTE)

BELOBORODOVA, N.L. 11H

C-4

Detoxifying functions of the liver and other organs in dinitrobenzene poisoning. N. L. Beloborodova. *Farmakol. i Toksikol.* 8, No. 4, 33-6(1945).—In rabbits poisoned with m-$C_6H_4(NO_2)_2$ (I), given in vegetable oil per os or subcutaneously, in dose of 0.05-0.1 g./kg., the liver quickly removes I from the blood and converts it. Muscles and kidneys have the same power, less strongly; but m-nitroaniline (II), one of the conversion products, is found in kidneys and muscles, not in the liver. The kidneys assist in the conversion, and take I and II out of the blood for excretion. Muscles also participate in converting I to II.

Julian F. Smith

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

BELOBORODOVA, N. L.

Biological Chemistry

Dissertation: "Experimental Data on the Effect of the Nervous Syatem in the Process of Making Aniline Harmless in the Organism." Cand Med Sci, Acad Med Sci USSR, Moscow, 1953. (Referativnyy Zhurnal--Khimiya, Moscow, No 3, Feb 54)

SO: SUM 213, 20 Sept 1954

BELOBORODOVA, N.I.

USSR/Human and Animal Physiology - The Effect of Physical Factors. V-12

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18797

Author : E.B. Kurlyanskaya, N.I.. Beloborodova and E.F. Baranova

Inst : -

Title : The Distribution and Excretion of Radioactive Cesium in an Organism.

Orig Pub : Materialy po toksikol. radioaktivn. veshchestv. Byp. 1., Moskva, Medgiz, 1957, 31-41.

Abstract : When mice and guinea pigs were injected subcutaneously with a single dose of 7 to 32 microcuries of Cs^{134} per kg of body weight, the greatest amount of radioactivity was detected in the kidneys, then in the intestines, skeletal muscles, cardiac muscle and liver. When rabbits were injected daily for periods of 5 to 31 months with a dose of 10.6 microcuries of Cs^{134} per kg, it was diffusely distributed, with the exception of the muscles, where the specific

Card 1/2

U.S.S.R. / Human and Animal Physiology. Action of Physical Agents. Ionizing Irradiation. T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22791

Author : Beloborodova, N.L., Baranova, E.F.
Inst : Not Given.
Title : Radiotoxic Action of Radioactive Strontium in Prolonged Experimental Administration.

Orig Pub: sb. Materialy. po toksikol. radioaktion veschestv. Vyp. 1.m., Medgiz. 1957, 151-162.

Abstract: A solution of Sr^{89} Cl^{2} in doses of 2168 microcuries per kg was orally administered daily in the course of 36 months to 16 rabbits. Seven rabbits perished, four were killed in serious condition, in the course of the experiment. In the dead rabbits servere ematiation, necrotic manifestations in the extremities, fractures of both anterior extremities, sclerotic

Card 1/3

U.S.S.R. / Human and Animal Physiology. Action of Physical Agents. Ionizing Irradiation. T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22791.

Abstract: prolonged reticulocytosis. At the end of the second year the reticulocyte count in the blood decreased and reached its lowest level at the end of 26 months. Characteristically, there was no rise in the erythrocyte level at the height of reticulocytosis. Some of the animals showed anemia. The leucocyte and lymphocyte counts in the course of 30 months varied from 6000-20,000. After the 30 month period, the leucocytes decreased. Lymphopenia and thrombopenia was noted in some animals. These animals showed a decrease of lymphoid elements in the spleen and lymph nodes. Evidence of decrease of the hemopoietic function increased with the duration of the experiment.

Card 3/3 END

BELOBORODOVA, N.L.

USSR/Human and Animal Physiology - The Effect of Physical Factors. V-17

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18300

Author : N.L. Beloborodova and E.F. Baranova

Inst : -

Title : Examination of the Functional State of the Hematopoietic System in Rabbits Subjected to Chronic Administration of Radioactive Cesium, Strontium and Ruthenium.

Orig Pub : Materialy po toksikol radioaktivn. veshchestv. Vyp. 1, Moskva, Medgiz, 1957, 171-193

Abstract : No abstract.

Card 1/1

USCOMM-DC-55,107

phosphorus and gold. Data on the exchange of radioactive cobalt and calculations of the tissue dosage in an organism for single and repeated injections are given. Individual articles treat the effect of radioactive cobalt on the hematogenous system, albumin and carbohydrate exchange, changes in the cardiovascular system, pathomorphological displacement in organs, and stimulation of the process of elimination of radioactive isotopes from organisms. Permissible limits of radioactive cobalt concentration in water, based on exhaustive experiments, are presented. The differences between the effects of soluble and insoluble compounds containing radioactive isotopes (sodium, phosphorus and gold), and the formation of neoplasms in the lungs after intratracheal injections of insoluable compounds of phosphorus and gold are established. The amount of tissue dosage causing blastomeric growth is determined. References accompany all articles but the first.

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MYAKISHEV, B.K., kand.med.nauk; BELOBORODOVA, N.M.

Changes in venous pressure in coronary disease. Vop.pat.krovi i krovoobr. no.6:159-165 '61. (MIRA 16:3)
(CORONARY HEART DISEASE) (BLOOD PRESSURE)

S/032/60/026/010/032/035
B016/B054

AUTHORS: Belokon', V.A., Chief, and Beloborodova, O. S., Substitute Chief

TITLE: Work of the Central Laboratory of the Sverdlovsk Turboengine Works

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 10, pp.1184-1185

TEXT: The authors report on the revision of the essential fields of work carried out at the Central Laboratory of the Sverdlovsk Turboengine Works. This revision was urged in the resolutions of the Plenary Meeting of the TsK KPSS (Tsentral'nyy komitet Kommunisticheskoy partii Sovetskogo soyuza, Central Committee of the Communist Party of the USSR) in June, 1959. According to these resolutions, the work of introduction of materials with a more economical consumption, as well as the restriction of the use of scarce goods should be much intensified. This should be done at the expense of pure control work. According to the authors' statement, the extension of automation- and mechanization work of production methods, as well as the introduction of new economical materials, has trebled during

1960 (as compared with 1959). By the end of 1959, the chrome plating of piston rings without lapping was automatized, and a nondestructive method of controlling surface hardening was introduced. This type of chrome plating also permits a more frequent and qualitatively better control than the former type. In the electro-refining department, research and introduction work with high-frequency current was carried out. This work permitted an automation and mechanization of the refining operations during the mechanical treatment without a transfer into the refining department. These and other similar measures will save 2.3 million rubles a year. The refining method mentioned is applied to distributor- and crankshafts. During 1960, further engine parts are refined in this way, which allows a replacement of high-alloyed steel grades by lower-alloyed ones. A special laboratory for electrorefining is being established. The Metallograficheskaya laboratoriya (Metallographic Laboratory) of the authors' laboratory, together with the Sverdlovskiy proyektnotekhnologicheskiy institut (Sverdlovsk Institute of Planning and Technology), is working at the refining of gears on a semiautomatic assembly line. The Gruppa plastmass (Group of Synthetics) of the authors' laboratory will be extended to an independent laboratory by the end of 1960. By the replacement of various alloys by synthetics in the production of Diesel engine parts, it was

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possible to save 7 t of aluminum alloy, 35 t of copper, and 4 t of tin yearly. The possibility of replacing difficultly available nonferrous metals by others is being studied. Engineers, technicians, and laboratory assistants of the authors' laboratory constantly cooperated, besides their research work, in the introduction of modern techniques in the individual factory departments, and in the saving program of nonferrous metals and electric power. Thanks to the resolutions mentioned at the beginning, work at the Central Laboratory was much extended; seven new engineers and technicians were engaged. With the introduction of the 7-hour working day with a simultaneous increase in salaries for research engineers, the exodus of experts was stopped. In a very near future, the six laboratories of the Central Laboratory will be concentrated in a new building.

ASSOCIATION: Tsentral'naya laboratoriya Sverdlovskogo turbomotornogo zavoda (Central Laboratory of the Sverdlovsk Turboengine Works)

OKULOV, Igor' Borisovich, inzh.; SHUBIN, Boris Minich, inzh.; Prinimala uchastiye GVOZDEVA, Z.P., inzh.; MARGOLIN, P.A., inzh., retsenzent; BELOBORODOVA, O.S., inzh., retsenzent; DUGINA, N.A., tekhn. red.

[Electroplating]Gal'vanicheskie pokrytiia. Moskva, Mashgiz, 1962. 176 p. (MIRA 16:2)
(Electroplating)

BELOBORODOVA, O. V.

"Myelinization of the Peripheral Neurons of the Vestibular and Auditory Analysors During the Ontogenesis of Certain Mammals." Cand Biol Sci, Moscow Fur and Pelt Inst, Moscow, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

BELOBORODOVA, O.V.

BELOBORODOVA, O.V. (Moskva, I-75, Pushkinskiy studencheskiy gorodok, d.12, kv.1)

Myelinization of the auditory and vestibular nerves of the cat [with summary in English]. Arkh.anat.gist. i embr. 34 no.2:37-41 Mr-Ap '57. (MLRA 10:10)

1. Iz otdela razvitiya mozga (rukovoditel' - chlen-korrespondent AMN SSSR prof. B.N.Klosovskiy) Instituta pediatrii AMN SSSR

(NERVES, COCHLEAR
myelinization in cat (Rus))
(NERVES, VESTIBULAR
same)

NAGORNYY, A.I., kand.tekhn.nauk; BRAGIN, B.A., inzh.; MARKONRENKOV, Yu.A., inzh.; KULEMZIN, K.N., inzh.; BELOBORODOVA, S.S., inzh.

Effect of additives on the crystallization of molten metallurgical slags and rock materials. Stek. i ker. 22 no.3:9-11 Mr '65. (MIRA 18:10)

1. Alma-Atinskiy gosudarstvennyy nauchno-issledovatel'skiy institut stroitel'nykh materialov.

Dissertation: "Investigation of the Thermal Range of Pressing of a Glass Plate." Cand Tech Sci, All-Union Sci Res Inst of Glass, Ministry of the Building Materials Industry USSR, 8 Jun 54. Vechernyaya Moskva, Moscow, 28 May 54.

SO: SUM 284, 26 Nov 1954

EYGENSON, L.S., doktor tekhn. nauk, prof.; BELOBORODOVA, T.I., kand. tekhn. nauk.

Effect of mold thickness on the thermal aspects of press forming flat glass. Trudy VNIIStekla no.37:92-101 '57. (MIRA 11:1)
(Glass manufacture) (Plate glass)

EYGENSON, Lev Solomonovich, prof. [deceased]; BELOBORODOVA, Tat'yana Ivanovna; BORISOV, Boris Ivanovich; FROLOVA, Yelena Gavrilovna; SOKOLOV, I.S., red.izd-va; GILENSON, P.G., tekhn.red.

[Thermal principles of glass manufacture] Termicheskie osnovy formovaniia stekla. Pod red. L.S.Eigensona. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 267 p. (MIRA 13:2)

(Glass furnaces)

CZECHOSLOVAKIA/Virology - Human and Animals Viruses. E-3

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52633

Author : Vrtiak, J., Frano, J., Belobrad, G.
Inst : -
Title : Isolation of Newcastle Disease Virus in Partridges and Its Properties.

Orig Pub : Veterin. casop., 1957, 6, No 5, 353-362

Abstract : No abstract.

Card 1/1

BELOBRAD, G.

(3)

CZECHOSLOVAKIA

KOPPEL, Z., DVM; BELOBRAD, G; BOGDAN, J; PAUER, T.

Kosice (for all)

Prague, Veterinarstvi, No 3, 1963, pp 125-127

"Evaluation of Occurrence of Hemolytic Variants of E. coli in Dead Pigs."

SHTAYNGART, Leo [Stajnhart, Leo], doktor meditsiny; DITE, Bogumil [Dite, Bohumil], doktor meditsiny; PETRLE, Miroslav, doktor meditsiny; PROKHAZKA, Yaroslav [Prochazka, Jaroslav], prof., doktor meditsiny; BELOBRADEK, Zdenek, doktor meditsiny; TOMANEK, Yuriy [Tomanek, Jiri], doktor meditsiny

Significance of angiocardiography in the diagnosis of congenital heart defects with left-to-right shunt. Khirurgiia no.10:56-63 '64. (MIRA 18:8)

1. Kardiologicheskiy tsentr klinicheskoy bol'nitsy v Gradtse Kralove i rentgenologicheskoye otdeleniye garnizonnoy bol'nitsy, Yaromerzh.

STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PROCHAZKA, J.; DITE, B.; PETRLE, M.; BELOBRADEK, Z.; KOSMAK, I.; FRANK, M.

Transseptal levography in congenital and acquired diseases of the heart and of the large vessels. Cesk. radiol. 19 no.4: 253-259 Ag '65.

1. Radiologicka, chirurgicka, I. interni, II. interni a detska klinika lekarstve fakulty Karlovy University v Hradci Kralove, CSSR.

JURKOVIC, V.; BELOBRADEK, Z.; GROSSMANN, V.

Effect of vagosympathetic block on cardiac arrhythmia induced by aconitine in rabbits. Cesk. fysiol. 7 no.5:489-490 Sept 58.

1. II. katedra nemoci vnitrnich a katedra farmakologie VLA JEvP, Hradec Kralove.

(ARRHYTHMIA, experimental,
aconitine-induced in rabbits, eff. of vagus block (Cz))
(ACONITUM
aconitine-induced arrhythmia in rabbits, eff. of vagus block (Cz))
(ANESTHESIA, REGIONAL, effects,
procaine vagus block on exper. arrhythmia induced with aconitine (Cz))
(NERVES, VAGUS, physiol.
eff. of procaine vagal block on exper. arrhythmia induced with aconitine (Cz))

YURKOVICH, Vilo [Jurkovič, V.]; BELOBRADEK, Zdenek

Treatment of rhythm disorders of ventricular origin. Terap.arkh. 31 no.11:45-49 N '59. (MIRA 13:3)

1. Iz 2-y kafedry vnutrennikh bolezney Voyenno-meditsinskoy akademii imeni Ya.Ye. Purkine, Gradets Kralove, Chekhoslovakiya.
(ARRHYTHMIA ther.)
(ANESTHESIA CONDUCTION)

BELOBRADEK, Zdenek; PETRLIK, Miroslav; PROCHAZKA, Jaroslav

Transbronchial puncture of the left auricle. Cas. lek. cesk. 99 no.16:481-485 15 Ap 160.

1. Kardiochirurgicke stredisko v Hradci Kralove.
(HEART surg.)

JURKOVIC, Vilo; BELOBRADEK, Zdenek; GROSSMANN, Vojtech

Analysis of the effect of procaine on experimental ventricular tachycardia. Cas.lek.cesk. 99 no.46:1437-1442 11 N '60.

1. II. katedra chorob vnitrnich lekarske fakulty KU v Hradci Kralove, prednosta doc. MUDr. Vilo Jurkovic a katedra farmakologie, prednosta doc. MUDr. Vojtech Grossmann.
(TACHYCARDIA exper)
(PROCAINE pharmacol)

BELOBRADEK, Zdenok

Role of pressure in the left heart in improving diagnosis of mitral defects. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) (Suppl) 4 no.5:411-434 '61.

1. II. interni klinika; prednosta prof. MUDr. V. Jurkovic.
(MITRAL STENOSIS) (HEART) (BLOOD PRESSURE DETERMINATION)

BELOBARDEK, Zdenek, [Belobradek, Z.], doktor med.nauk; PETRLE, Miroslav, doktor med.nauk; PROKHAZKA, Yaroslav [Prochazka, J.], prof. doktor meditsiny

Measurement of pressure in the left auricle by transbronchial puncture. Khirurgiia 37 no.1:29-33 Ja '61. (MIRA 14:2)

1. Iz 2-y kliniki vnutrennikh bolezney (rukovoditel' - dotsent d-r meditsiny Vilo Yurkovich), 1-y kliniki vnutrennikh bolezney (rukovoditel' - prof. d-r meditsiny Yan Rzhegorzh) i 2-y khirurgicheskoy kliniki (rukovoditel' - prof. d-r meditsiny Yaroslav Prokhazka) Gradets Kralove (Chekhoslovakiya).
(HEART) (BLOOD PRESSURE)

STEINHART, L.; ENDRYS, J.; DITE, B.; SLEZAK, P.; PROCHAZKA, J.; BELOBRADEK, Z.; PETRLE, M.

The angiocardiographic picture of the mitral orifice. Cor vasa 4 no.3:212-218 '62.

1. Centre for Cardiac Surgery, Faculty of Medicine, Charles University Hradec Kralove.

(MITRAL VALVE radiography) (ANGIOCARDIOGRAPHY)

CZECHOSLOVAKIA

O. JELINEK MD, Z. BELOBRADEK MD and Prof V. JURKOVIC MD [affiliation not stated].

"Cure of Ventricular Tachycardia by High Intravenous Doses of Procaine Amide."

Prague, Vojenske Zdravotnicke Listy, Vol 31, No 3, Jun 62; pp 115-117.

Abstract [English summary modified]: Case in 55-year old man with chronic untreated hypertension (215/140 at admission) who had recurrent prolonged episodes of ventricular tachycardia requiring repeated i.v. infusions of procaine amide for a total of 7.7 grams during 14 hours; later switched to quinidine 1 Gm./day, decreasing dose; discharge 5 weeks later. Three EKGs; 20 Western, 1 Czech reference.

1/1

JURKOVIC, V.; VOKROUHLICKY, L.; BELOBRADEK, Z.; GROSSMANN, V.

Contribution to the study of cardiac irritability during the course of radiation sickness. Cas. lek. cesk. 101 no.39:1161-1166 28 S '62.

1,II interni klinika leakrske fakulty KU v Hradci Kralove, prednosta prof. dr V. Jurkovic, Katedra farmakologie lekarske fakulty KU v Hradci Kralove, prednosta prof. dr. V. Grossmann.
(RADIATION INJURY EXPERIMENTAL) (TACHYCARDIA PAROXYSMAL)
(HEART)

VOKROUHLICKY, Lubor; JURKOVIC, Vilo; BELOBRADEK, Zdenek; GROSSMAN Vojtech.

Experimental ventricular tachycardia during radiation sickness. Sborn.ved.prac.lek.fak.Karlov. Univ.(Hrad.Kral.) 6 no.1:27-30 '63.

1. 2nd Department of Medicine of the Medical faculty, Charles University at Hradec Kralove (head:prof.V.Jurkovic, M.D.); Department of Pathological Physiology of the Medical Faculty Charles University at Hradec Kralove (head:prof. DrSc.R.Vavra, M.D.) and Department of Pharmacology of the Medical Faculty, Charles University at Hradec Kralove(head:prof. V.Grossmann, M.D.).

*

PETRLE,M.; PROCHAZKA,J.; ENDRYS,J.; BELOBRADEK,Z.; KOSMAK,J.; STEINHARDT,L.; VIZDA,J.

Recurrent tight mitral stenosis. Cor. vasa 6 no.2:104-111'64

1. 1st and IInd Internal Clinics, Surgical Clinic and Radiological Clinic, Faculty of Medicine, Caroline University, Hradec Kralove, Czechoslovakia.

BELOHRADEK, Z.

Pressure in the left ventricle and its change in valvular defects. Cas. lek. cesk. 103 no.7:35-40 14 F'64

1. II.interni klinika lekarske fakulty KU v Hradci Kralove; prednosta: prof. dr. V.Jurkovic.

*

MIHULOVA, Libuse; PIDRMAN, Vladimir; BELOBRADEK, Zdenek; JURKOVIC, Vilo.

Atrioatrial dissociation. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad. Kral.) 6 no.5:suppl. 643-646 '63

1. II. katedra vnitrniho lekarstvi;(prednosta: prof. MUDr. V.Jurkovic), Karlova universita v Hradci Kralove.

KOSMAK, I.; PETRLE, M.; ENDRYS, J.; BELOBRADEK, Z.; JURKOVIC, V.; STEINHART, L.; SLEZAK, P.

On the methodology of intracardiac phonocardiography. Cor Vasa 6 no.4:281-287 '64.

1. IInd Internal Clinic, Ist Internal Clinic, Surgical Clinic, Centre for Cardiac Surgery and Radiological Departments, Faculty of Medicine of the Caroline University, Hradec Kralove, Czechoslovakia.

SLEZAK, Premysl; STEINHART, Leo; ENDRYS, Jiri; FRANK, Miroslav; KOSMAK, Ivan; BELOBRADEK, Zdenek; PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; REZAC, Vaclav; JURIN, Ivan.

Morphological, hemodynamic and postoperative changes in atrial septal defects demonstrated by a simple X-ray picture. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:109-119 '64.

1. Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.); Chirurgicka klinika (Prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Detska klinika (prednosta: prof. MUDr. J. Blecha, DrSc.) a I. interni klinika (prednosta : prof. MUDr. F. Cernak) University Karlovy v Hradci Kralove.

BELOBRADEK, Zdenek; ENDRYS, Jiri; KOSMAK, Ivan; PETRLE, Miroslav; STEINHART, Leo

Changes of indexes calculated from the left atrial pressure curve during amyl nitrite inhalation. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:653-660 '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.); Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka, DrSc.); Vyzkumny ustav experimentalnej terapie, Praha-Krc (prednosta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.).

ENDRYS, J.; STEINHART, L.; KOSMAK, I.; PETERLE, M.; PROCHAZKA, J.; BELOBRADEK, Z.; REZAC, V.; SLEZAK, P.

Catheterization of the left heart. Evaluation of experiences with 650 examinations. Vnitrni lek. 11 no.4:331-338 Ap'65.

1. Kardiochirurgicke stredisko, fakultni nemocnice a lekarska fakulta Karlovy University v Hradci Kralove.

KOSMAK, Ivan; ENDRYS, Jiri; PETRLE, Miroslav; FRANK, Miroslav; BELOBRADEK, Zdenek; STEINHART, Leo; SLEZAK, Premysl

The intracardial phonocardiogram in aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:661-664 '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.) Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka, DrSc.); Vyzkumny ustav exper. terapie, Praha-Krc (prednosta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.).

MIGULOVA, L.; PIDRMAN, V.; BELOBRADEK, Z.; YURKOVICH, V.

Atrioventricular dissociation. Kardiologiia no.3:52-55 '65.
(MIRA 18:10)

1. 2-ya kafedra vnutrennikh bolezney (zav. - prof. V.Yurkovich) meditsinskogo fakul'teta Karlova universiteta v Gradtse Kralove.

PETRLE, Miroslav; KOSMAK, Ivan; ENDRYS, Jiri; BELOBRADEK, Zdenek; MATEJA, Frantisek.

Congenital isolated pulmonary insufficiency. Sborn.ved.prac. lek.fak.Karlov.Univ.(Hrad.Kral.) 6 no.3:319-323 '63.

1. I. interni klinika (prednosta:prof., MUDr. F.Cernik); II.interni klinika (prednosta: prof., MUDr. V.Jurkovic) a Chirurgicka klinika (prednosta: prof., MUDr.J.Prochazka), Universita Karlova.

*

ERBEN, J.; BELOBRADKOVA, J.; STEFAN, H.; GROH, J.; BARTOS, V.; KRCH, V.; KVASNICKA, J.; NAVRATIL, P. KLAZAROVA, M., technicka spoluprace; SCHROFLOVA, A., technicka spoluprace.

Hemodialysis in the treatment of acute uremia (III)
Cesk pediat 18 no. 3:193-199 '63.

1. Interni, detska, chirurgicka a urologicka klinika lekarske fakulty KU v Hradci Kralove; prednostove: doc. dr. F. Cernik, prof. dr. J. Blecha, prof. dr. J. Prochazka, doc. dr. J. Svab
(UREMIA) (DIALYSIS) (HYPERKALEMIA) (KIDNEY, ARTIFICIAL)

BELOBRAGIN, N.Z.

USSR /Chemical Technology. Chemical Products and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31583

Author : Strelets V.M., Kaminskiy V.K., Belobragin N.Z.

Title : Production of Semi-Acidic Coke Shapes by Semi-Dry Pressing on Frictional Presses

Orig Pub: Ogneupory, 1956, No 4, 152-157

Abstract: Laboratory and semi-production scale experiments have shown the possibility of producing semi-acidic coke shaped articles, of class A according to GOST 4873-49, containing 74-75% SiO_2, by semi-dry pressing on frictional presses. The following mix is recommended (in % by weight): chamotte 50 (Chasov-Yarskaya clay Ch-2 + Vladimirskiy kaolin

Card 1/2 Krasnogorovskiy ogneupornyy zavod im lenina.

USSR /Chemical Technology. Chemical Products and Their Application I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31583

VL-1, refractoriness above 1730°), byproduct of concentration of Prosyanovskiy kaolin 30 (refractoriness 1700°, grain size from 2-2.5 to 0.9 mm) and Chasov-Yarskaya clay Ch-1, 20; moisture content of mix 5.5-6.5%, number of press impacts 6-7, of these the first 2-3 are light.

Card 2/2

15(2) SOV/131-59-12-2/15

AUTHORS: Pankratov, D. I., Belobragin, N. Z., Koysman, I. Ye.

TITLE: Production of Coke Dinas Products From Finely Ground Ovruch Quartzite

PERIODICAL: Ogneupory, 1959, Nr 12, pp 538-541 (USSR)

ABSTRACT: The new standard regulation raised its demands on coke Dinas products with respect to their resistance, porosity and accuracy of dimensions. On the basis of investigations made at the Krasnogorovka Works it was decided to produce coke Dinas products from 100% Ovruch quartzites instead of 80% Ovruch quartzites and 20% Dinas fracture hitherto used. Table 1 gives the graduation of grain sizes of the mass, table 2 the resistance to pressure-fracture of coke Dinas products. Further their porosity (Table 3) and the specific gravity (Table 4) are indicated. The accuracy of their dimensions has been considerably increased. In conclusion the authors stated that an improvement of the graduation of grain sizes, an increase of the amount of applied pressure and an automatic control of the pressing process must be introduced in order to attain a further quality improvement of coke-Dinas products. There are 4 tables.

Card 1/2

Production of Coke Dinas Products From Finely Ground Ovruch Quartzite SOV/131-59-12-2/15

ASSOCIATION: Krasnogorovskiy shamotno-dinasovyy zavod im. Lenina (Krasnogorovka Fire Clay Dinas Works imeni Lenin)

Card 2/2

PANKRATOV, D.I.; BELOBRAGIN, N.Z.; KOYSMAN, I.Ye.

Simplifying the technology of producing ultralightweight refractories. Ogneupory 27 no.5:207-208 '62. (MIRA 15:7)

1. Krasnogorovskiy ogneupornyy zavod im. Lenina.
(Firebrick) (Foamed materials)

PANKRATOV, D.I.; BELOBRAGIN, N.Z.; KOYSMAN, I.Ye.

Use of Sukhoy Yar sand for the production of dinas bricks.
Ogneupory 28 no.4:160-162 '63. (MIRA 16:6)

1. Krasnogorovskiy ogneupornyy zavod imeni Lenina.
(Sukhoy Yar region—Sand)
(Firebrick)

BELOB[illegible]AGINA, G.V.

USSR/Pharmacology. Toxicology. Toxicology. V

Abs Jour : Ref Zhur-Biol., No 8, 1958, 37741

Author : Belobragina G. V.
Inst : Not given
Title : Modifications in the Organs of White Rats Upon the Intraperitonial Administration of Quarts Dust (Izmeneniye v organakh belykh krys pri vnutribriyushinnom vvedenii kvartsevoy pili)

Orig Pub : Byul. eksperim. biol. i meditsiniy, 1957, 43, No 2, 114-117

Abstract : When 100 mg of quarts dust was administered to rats into the peritonium, into the mesentery and fat glands, as well as into the retroperitonial, paraaortal, and portal lymphatic ganglia, it was found that milliary ganglia from the reticulo-endothelil elements with a gradual formation of

Card 1/2

BELOBRAGINA, G.V., kand.med.nauk

Changes in the internal organs of white rats in experimental silicosis. Sbor. rab. po silik. no.2:153-158 '60. (MIRA 14:3)

1. Sverdlovskiy nauchno-issledovatel'skiy institut gigiyeny truda i profpatologii.
(LUNGS—DUST DISEASES)

S/081/62/000/006/031/117
B102/B101

AUTHORS: Stepanov, P. A., Sergeyev, Ye. A., Belobragina, M. V.

TITLE: A method for semiquantitative spectral analysis of metallometrical samples for rare alkaline elements

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 126, abstract 6D67 (Byul. nauchno-tekhn. inform. M-vo geol. i okhrany nedr SSSR, no. 3 (20), 1959, 89-91)

TEXT: A method is proposed for quick semiquantitative spectral analysis of metallometrical samples for Li, Rb, and Cs. A K vapor excess is produced in an arc to stabilize the plasma temperature in the arc discharge, to raise the sensitivity, and to eliminate the effect of variable K and Na content of natural samples on the analytical results. The surface of the sample placed on an electrode is moistened with alcohol and 2-3 drops of KCl solution (0.05 ml of 20% KCl) are added. The lines 6707.8 Å and 8126.5 Å (Li), 7847.6 Å or 7800.2 Å (Rb), and 8521.1 Å (Cs) are used for analysis. Spectroscopic conditions: current strength 20 a, electrode channel 4mm wide, 3 mm high, exposure 40 sec. A high

Card 1/2

sensitivity (0.0002%) for Li, Rb, and Cs determination is reached by using "Infra-840" plates. An ИСП-51 (ISP-51) spectrograph with an УФ-84 (UF-84) camera (18μ slit of apparatus) is most efficient for the analysis. The prismatic arrangement corresponds to the spectral range 6500-9000 Å being placed only on the left-hand side of the plate (9 · 12 cm). The number of spectra per plate may reach 210 when the photographs are taken successively, first on the left half of the plate and then, after turning by 180°, on the right half. The conditions of applicability of the present method with the spectrographs ИСП-28 (ISP-28) and ИСП-22 (ISP-22) are also given. The blackening of the analytical lines is measured with a microphotometer. The spectral quality is controlled by comparing the K-line blackening and the background. In the range 0.0005 - 0.05% the concentrations are estimated from log C-versus-S plots on special forms; each plate is exposed to 5 standards (with respect to two spectra). Reproducibility of results: for Li and Cs, in 85% of the cases repeated results are within a twofold, for Rb within a threefold concentration range. [Abstracter's note: Complete translation.]

Card 2/2

24(7)

AUTHORS: Stepanov, P. A., Sergeyev, Ye. A., Belobragina, M. V., Leshchinskaya, M. S.

SOV/48-23-9-44/57

TITLE: A Rapid Spectral Analysis of Metallometric Samples With Respect to Alkali, Boron, Fluorine, and Other Elements

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 9, pp 1149 - 1150 (USSR)

ABSTRACT: By the mass-spectral analysis the elements Li, Rb, Cs, B, F, and Be are not determined with sufficient accuracy. The first three of these elements may, if the pulverized samples are evaporated from a channel of the carbon electrode, be determined with sufficient accuracy. The lines used for the analysis with respect to these elements are then given, in which case the content of these elements was determined according to the absolute blackening of the lines. The error is given as amounting to 0.0002%. The calibration curves for the determination of these three elements are shown by figure 1, and it is found that the mineralogical state of the samples does not essentially influence the results. The analysis of metallometric samples

Card 1/2

with respect to boron, lithium, and beryllium, with a simultaneous determination of some ten other elements, is carried out by the introduction of powder into the arc discharge, in which case copper electrodes are used. Lines are given, according to which boron, lithium, and beryllium were determined. In the determination of fluorine calcium carbonate was added to the samples in order to be able to reproduce the CaF band. It was found on this occasion that the addition of calcium diminishes the influence of the base material in the determination of Be, B, and Li. The error in these analyses is given as amounting to 2.10^{-4} for boron, to 5.10^{-4} for lithium, and to 5.10^{-2}% for fluorine. There are 1 figure and 4 Soviet references.

Name: BELOBROV, A. G.

Dissertation: On some studies in the field of vat dyes of the benzanthrone series

Degree: Cand Tech Sci

Deferred at Publication

~~Affiliation~~: Min Higher Education UkSSR, Khar'kov Polytechnic Inst imeni V. I. Lenin

~~Defense~~ Date, Place: 1956, Khar'kov

Source: Knizhnaya Letopis', No 45, 1956

BELOBROV, A. P.

"Hydrographic Works by Ship's Means", published by State Publishers of Sea Transport Literature, Moscow, 1949

BELOBROV, A. P.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 300 - I

BOOK Call No. VK555.B4

Author: Belobrov, A. P.
Full Title: NAUTICAL ASTRONOMY
Transliterated Title: Morekhodnaya astronomiya
Publishing Data
Originating Agency: None
Publishing House: Hydrometeorological Publishing House (GIMIZ)
Date: 1953 No. pp.: 313 No. of copies: 3200
Editorial Staff
Editor: None Tech. Ed.: None
Editor-in-Chief: None Appraisers: None
Contributors (Others): Kavrayskiy, V. V., Krylov, A. N., and Samokhvalov, D. A.
Text Data
Coverage: The book covers all the information necessary for astronomical navigation with substantial mathematical references and good instructions for solving practical problems. It is well planned and clearly written, and compares favorably with the astronomical part of B. Dutton's Navigation and Nautical Astronomy (1951). Of interest is D. A. Samokhvalov's averaging or integrating mechanism which is attached to a bulb sextant and automatically averages the successive readings of observations taken during a given time period (pp. 127-133). This mechanism brings the mean quadratic error of an observed altitude to the limits of ± 2' to

1/4

± 3'. Of interest is also a map (Appendix 3) schematically showing the way to find the major stars.

TABLE OF CONTENTS

Morekhodnaya astronomiya

AID - 300 - I

		PAGE
Appendix 1	Ephemerides of the sun	302-310
Appendix 2	Rules for the use of logarithmic tables	311-312
Appendix 3	Schematic chart for finding selected stars and constellations	313

Purpose: A text for specialists oceanographers and a reference book.
Facilities: Many scientists and their works are cited in the text.
No. of Russian and Slavic References: 12 (1905-1950)
Available: Library of Congress.

4/4

BELOBROV, Andrey Pavlovich, professor; ZAKHAROV, V.K., redaktor; IVANOV, K.A. redaktor izdatel'stva; TROFIMOV, A.V., tekhnicheskiy redaktor.

[A collection of problems in nautical astronomy] Sbornik zadach po morekhodnoi astronomii. Moskva, Izd-vo "Morskoi transport," 1956. 75 p. (MLRA 10:4)

(Nautical astronomy)

BELOBROV, Andrey Pavlovich; VIL'NER, B.A., otv. red.; VLASOVA, Yu.V., red.; BRAYNINA, M.I., tekhn. red.

[Radio navigation phase systems in hydrography and oceanography] Fazovye radionavigatsionnye sistemy v gidrografii i okeanologii. Leningrad, Gidrometeor. izd-vo, 1961. 169 p. (MIRA 14:7)
(Radio in navigation)

BELOBROV, Andrey Pavlovich. Prinimali uchastiye: BASKIN, A.S., inzh.-gidrograf; BOGDANOV, I.A., inzh.-gidrograf, dots.; VIL'NER, B.A., inzh.-gidrograf; VOLKOV, P.D., inzh.-gidrograf; GORSHKOV, N.M., inzh.-gidrograf; CHUKOV, Ye.P., inzh.-gidrograf; YASHKEVICH, Ye.V., inzh.-gidrograf; STUPAKOVA, L.A., red.

[Marine hydrography] Gidrografiia moria. Moskva, Transport, 1964. 514 p. (MIRA 17:9)

SOV/133-59-9-15/31

AUTHORS: Belobrov, I.F., Bukhvostov, I.G. and Milikhin, A.Ye.

TITLE: Operation of 850/730/530 mm Continuous Billet Mill with Vertical Rolls in the Chinese People's Republic

PERIODICAL: Stal', 1959, Nr 9, pp 812-817 (USSR)

ABSTRACT: A brief description of the above mill and its operation is given. The equipment of the mill was designed and built in the USSR (Ref 1). Characteristic data of the individual stands - table 1; data on shears - table 2; roll passes - table 3 (Fig 3), table 4 (Fig 4) and table 5. It is stated that the mill is one of the best of its type, suitable for mass production of a wide range of square and round billets. With some additional equipment of the finishing part, the mill can be utilised for rolling of profiles (beams, angles etc). The alternation of horizontal and vertical stands with individual drives from a d.c. variable rpm motor, permits a large variation in the speed practice of rolls (independently from their diameter) which should secure production of high quality products. Mechanised adjustment of vertical and horizontal rolls enables a rapid transfer from one rolling line to another. The mill

Card 1/2

SOV/133-59-9-15/31

Operation of 850/730/530 mm Continuous Billet Mill with Vertical Rolls in the Chinese People's Republic

is considered as an important achievement of the Soviet and Chinese designers and machine-builders. There are 4 figures, 5 tables and 1 Soviet reference.

Card 2/2

SOV/97-58-9-3/13

AUTHORS: Fridkin, A.Ya., Korotkov, P.A., Belobrov, I.K. and Klevtsov, V.A., Engineers

TITLE: Pre-cast Pre-stressed Reinforced Concrete Beams Serving as Support to Bridge Cranes (Sbornyye zhelezobetonnyye predvaritel'no napryazhennyye podkranovyye balki)

PERIODICAL: Beton i Zhelezobeton, 1958, Nr 9, pp 329 - 336 (USSR)

ABSTRACT: The most effective type of beam for supporting bridge cranes, as far as economy of concrete and steel are concerned, is the one that is continuously reinforced. This continuous reinforcing method requires special machinery and equipment. Consumption of concrete and steel in beams reinforced with rods is much higher than those with continuous or batch reinforcement. Beams with rod reinforcement are economical only when heavy cranes are used and reinforcement type 30KhG2S. It is not so economical to use rod reinforcement in beams of 12 m span when compared with similar beams reinforced with batch reinforcement. Leningrad Promstroyproyekt, in conjunction with NIIZhB, is working on a project for pre-stressed reinforced concrete beams 6 and 12 m long, designed to carry cranes with capacity of up to 50 tons.

Card1/4

Pre-cast Pre-stressed Reinforced Concrete Beams Serving as Support to Bridge Cranes

Figure 1 illustrates beams with rod reinforcement of standard profile and steel Mark 25G2S. The reinforcement is tensioned to 2.5% of its length, not less than 4 700 kg/cm^2; limit of elasticity is 5 000 kg/cm^2. Table 1 shows typical cross-sections of 6 and 12 m rod reinforced beams and gives respective technical data. Table 2 shows typical cross-sections of 6 and 12 m batch reinforced beams and gives respective technical data. The NIIZhB carried out tests with both rod and batch reinforcement of these beams. In the case of beams with batch reinforcement, special anchoring washers were used which were not welded to rods and it was necessary to ascertain the anchoring properties of the reinforcement in the concrete when these washers were omitted. Tests were carried out by Engineer I.K. Belobrov and Candidates of Technical Sciences S.A. Dmitriyev and N.M. Mulin in a laboratory that specialises in the theory of reinforced concrete and reinforcement (Head: Professor A.A. Gvozdev). Figure 3 illustrates horizontal cracks at the end of the beam. The effect of these cracks on the collapse of the end of the beam under testing

Pre-cast Pre-stressed Reinforced Concrete Beams Serving as Support to Bridge Cranes

conditions is described. To prevent the formation of the horizontal cracks at the end of the beams, part of the cross reinforcement at the end was pre-stressed in order to compress the concrete in this part of the beam. Tensioning was 1/6th of the value used for longitudinal reinforcement. No horizontal cracks appeared after this (Figure 4). Illustration of the method and the machines used for the investigation of pre-stressing of beams 6 and 12 m long is given in Figure 5. Figure 6: graph of deflections of crane-carrying beams (PN6-1, PN6-2 and PN6-3) with pre-stressed reinforcement and beam P06-1 reinforced without pre-stressing. It shows that pre-stressed reinforced beams are twice as strong and crack formations are only one-fourth. The casting of beams 12 m long was made possible by the construction of a machine DN-7. Figure 7 shows the continuous reinforcement of the beam. The concrete used has strength of 400 kg/cm^2 and the reinforcement is of high-tensile wires of 3 - 4 mm diameter. Figure 8 shows the method of winding continuous reinforcement and casting two beams. A method

Pre-cast Pre-stressed Reinforced Concrete Beams Serving as Support to Bridge Cranes

of this continuous reinforcing of crane-carrying beams was developed by Candidate of Technical Sciences G.I. Berdichevskiy, and testing of beams was carried out by Engineer V.A. Klevtsov in the laboratory of NIIZhB. Figure 10 gives deformation graph of concrete units of the beam in the middle of its span. Tests show that the strength of the beam is considerable; its deflection was 3.2 - 3.6 mm which is 1/1 800 to 1/1 600 of the span. Table 3 gives values of beams carrying cranes of 30-ton capacity. These values show that the most economical type of reinforcement is the continuous reinforcement of these beams. The Leningrad Promstroyproyekt designed open-lattice type of crane-carrying beam from pre-stressed reinforced concrete (Figure 11). There are 11 figures and 3 tables.

BERDICHEVSKIY, G.I., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MIKHAYLOV, K.V., kand.tekhn.nauk; GVOZDEV, A.A., prof., doktor tekhn.nauk; MIKHAYLOV, V.V., prof., doktor tekhn.nauk; BULGAKOV, V.S., kand.tekhn.nauk; VASIL'YEV, A.P., kand.tekhn.nauk; YEVGEN'YEV, I.Ye., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SVETOV, A.A., kand.tekhn.nauk; FRENKEL', I.M., kand.tekhn.nauk; BELOBROV, I.K., inzh.; MATKOV, N.G., inzh.; MITNIK, G.S., inzh.; SKLYAR, B.L., inzh.; SHILOV, Ye.V., inzh.; MASENKO, I.D., inzh.; NIZHNICHENKO, I.P., inzh.; FILIPPOVA, G.P., inzh.; MIZERNYUK, B.N., kand.tekhn.nauk; SHEYNFEL'D, N.M., kand.tekhn.nauk; BALAT'YEV, P.K., kand.tekhn.nauk; BARBARASH, I.P., kand.tekhn.nauk; MITGARTS, L.B., kand.tekhn.nauk; SHIFRIN, M.A., kand.tekhn.nauk; PETROVA, V.V., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Temporary instruction on the technology of making prestressed reinforced concrete construction elements] Vremennaia instruktsiia po tekhnologii izgotovleniia predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 255 p. (MIRA 12:12)

(Continued on next card)

BERDICHEVSKIY, G.I.---(continued) Card 2.

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov, Berdichevskiy, Bulgakov, Vasil'yev, Dmitriyev, Yevgen'yev, K.V.Mikhaylov, Mulin, Svetov, Frenkel', Belobrov, Matkov, Mitnik, Sklyar, Shilov). 3. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhpomoshchi Akademii stroitel'stva i arkhitektury SSSR (for Masenko, Nizhnichenko, Filippova, Mizernyuk, Shoynfel'd). 4. Nauchno-issledovatel'skiy institut Glavmospromstroymaterialov (for Balat'yev, Barbarash). 5. Nauchno-issledovatel'skiy institut po stroitel'stvu Minstroya RSFSR (for Mitgarts, Shifrin). 6. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov).

(Prestressed concrete)

BELOBROV, I.K., inzh.

Testing concrete prestressed crane beams reinforced with rods and wire bundles. Trudy NIIZHB no.14:5-46 '60. (MIRA 13:10)
(Cranes, derricks, etc.) (Girders--Testing)

MULIN, N.M., kand.tekhn.nauk; ARTEM'YEV, V.P., kand.tekhn.nauk;
BELOBROV, I.K., kand.tekhn.nauk; GUZEYEV, Ye.A., inzh.;
KRASOVSKAYA, G.M., inzh.; PETROVA, K.V., inzh.; FIGAROVSKIY, V.V., inzh.

Basis for calculating the deformations of reinforced concrete elements in the draft of the new standards. Bet. i zhel.-bet. 8 no.11:491-498 N '62. (MIRA 15:11)
(Precast concrete)

BELOBROV, K. V.

USSR /Chemical Technology. Chemical Products and Their Application I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31579

Author : Belobrov K.V.

Title : Production of Unfired Magnesite-Chromite Bricks

Orig Pub: Ogneupory, ~~1956~~ Vol. 21, 1956, No 4, 150-152

Abstract: From magnesite-chromite mix with addition of 4% sulfite-alcohol vinasse, specific gravity 1.27, was produced a batch of unfired brick for vaults, provided with holes for pins. The bricks were pressed in a hydraulic press at a moisture content of the paste of 2.7% and specific pressure of 1200-1580 kg/cm^2. Characteristics of the articles after drying to moisture content of 0.3-0.4%:

Card 1/2

USSR /Chemical Technology. Chemical Products and Their Application I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31579

volumetric weight 2.94-2.97 g/cm^3, σ compression 644-689 kg/cm^2, temperature of deformation under load of 2 kg/cm^2: beginning 1505-1520°, end 1560-1615°, number of thermal changes until 20% loss results (water cooling) 5-21.

Card 2/2

BELOBROV, K.V.

Feasibility of using magnesite neckless steel-pouring nozzles. Ogneupory 21 no.5:227-228 '56. (MLRA 9:10)

(Metallurgy--Apparatus and supplies) (Refractory materials)

BELOBROV, N.A., inzh.-dizelist

How we have eliminated leakage of water pump seals. Elek. i tepl. tiaga 5 no.6:22 Je '61. (MIRA 14:10)

1. Teplovoznoye depo, Verkhniy Baskunchak Privolzhskoy dorogi.
(Pumping machinery)
(Diesel locomotives—Repairs)

BELOEROV, N.A.

Vasilii Rybalkin, mechanic and efficiency promoter. Elek.i tepl.tiaga 5 no.11:23 N '61. (MIRA 14:11)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela teplovoznogo depo Verkhniy Gaskunchak Privolzhskoy dorogi.
(Railroads--Employees)

BELOBROV, N.A., master

Repair of the inverse firing indicators for the ignitrons of electric locomotives. Elek. i tepl.tiaga no.7:12 Jl '63. (MIRA 16:9)

1. Depo Bataysk Severo-Kavkazskoy dorogi.
(Electric locomotives—Maintenance and repair)

BELOBROV, P.K.; BERKOVICH, L.I.

Some geometrical remarks related to the Chebyshev set center.
Uch. zap. Kaz. un. 124 no.6:31-42 '64. (MIRA 18:9)

GRIBANOV, Yu.I. (Kazan'); BELOBROV, P.K. (Kazan')

A class of Banach spaces of functions. Izv. vys. ucheb. zav.; mat no.4:44-55 '63. (MIRA 16:10)

BELOBROV, P.K. (Kazan')

Chernyshev's center of a set. Izv.vys.ucheb.zav.; mat. no. 1: 3-9 '64. (MIRA 17:5)

BELOBROV, P.K. (Kazan')

Chebyshev center of a set in a Banach space. Izv. vys. ucheb. zav.; mat. no.2:25-30 '64. (MIRA 17:8)

VARENIK, V.G.; BELOBROV, V.I.

Experimental investigation of machinery. Sbor.Novo-Kram.mashino-stroi.zav. no.1:161-177 '59. (MIRA 16:12)

BELOBROV, V.I., inzh.

Studying the deformation of block brakes of underground mine hoisting machinery under static loads. Izv. vys. ucheb. zav.; gor. zhur. 7 no.5:115-119 '64. (MIRA 17:12)

1. Khar'kovskiy institut gornoy mekhaniki, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy gornoy mekhaniki.

L 31304-65 EWT(d) IJP(c)

ACCESSION NR: AR5004804 S/0044/64/000/011/B067/B067

SOURCE: Ref. zh. Matematika, Abs. 11B301

AUTHOR: Belobrov, V. N.

10
B

TITLE: On the behavior of the solutions of one class of linear homogeneous integro-differential equations with a small parameter as a multiplier of the higher-order derivatives

CITED SOURCE: Sb. Materialy 12-y Nauchn. konferentsii prof.-prepodavat. sostava fiz.-matem. fak. Kirg. un-t. Sekts. matem. Frunze, 1964, 32-38

TOPIC TAGS: integrodifferential equation, boundary value problem, Cauchy problem, characteristic equation, existence theorem

TRANSLATION: The article considers a linear homogeneous integro-differential equation

Card 1/4

ACCESSION NR: AR5004804

$$L_\varepsilon[u] \equiv \sum_{k=0}^{m} a_k(\varepsilon) u^{(k)} + \sum_{k=1}^{n} \varepsilon^k a_{m+k}(\varepsilon) u^{(k+m)} + \int_0^x \sum_{q=0}^{l} K_q(x-t)\, u^{(q)}(t)\, dt = 0 \qquad (1)$$

with initial data

$$u^{(j)}(0) = l_j + \omega_j(\varepsilon) \qquad (1')$$

($j = 1, \ldots, n + m - 1$), where $a_k(\varepsilon)$ and $a_{k+n}(\varepsilon)$ are certain continuous functions of a small positive parameter ε;

$$K_q(x) \equiv \sum_{j=1}^{i} Q_{jq}(x)\, l^{-\beta_{jq} x}$$

$Q_{jk}(x)$ -- polynomial of degree m_{jk} with respect to x with constant coefficients; β_{jq} -- certain constants, $\omega_j(\varepsilon) \to 0$ as $\varepsilon \to 0$. An

equation of the type

$$L_\varepsilon[v] \equiv \sum_{k=0}^{m} a_k(0) v^{(k)}(x) + \int_0^x \sum_{k=0}^{l} K_k(x-t) v^{(k)}(t)\, dt = 0 \qquad (2)$$

with initial data

$$v^{(j)}(0) = l_j \quad (j = 1, \ldots, m-1) \qquad (2')$$

is called degenerate with respect to Eq. (1). The algebraic equation

$$\varphi(s, \varepsilon) \equiv \sum_{k=0}^{N} b_k(\varepsilon) s^k + s^N \sum_{k=1}^{n} b_{N+k}(\varepsilon)(\varepsilon s)^k = 0$$

of degree N + n is called the characteristic equation for Eq. (1), where $b_k(\varepsilon)$ -- some continuous functions relative to a small parameter $\varepsilon \in (0, \varepsilon_0)$, ε_0 -- sufficiently small fixed positive number.

The following theorem is proved: If the real parts of all the roots of the equation

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$$\theta(s)\equiv\sum_{k=0}^{k} b_{N+k}(0)s^k=0,$$

are negative, then the solution of the Cauchy problem (1) -- (1') can be represented, for sufficient values of the parameter ε, in the form

$$u(x,\varepsilon)=v(x)+z(x,\varepsilon)+\varepsilon\xi(x,\varepsilon),$$

where v(x) -- solution of the degenerate problem (2)--(2'), $|\xi(x,\varepsilon)| <$ < M = const when $x \in [0, b]$, $z(x, \varepsilon)$ -- function of the boundary-layer type.

The author studies further some boundary value problems for Eqs. (1) and (2) and the asymptotic behavior of the solutions of these boundary value problems with any degree of accuracy with respect to the small parameter ε. M. Imanaliyev.

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