S/799/62/000/002/001/011

AUTHORS: Belynskiy, V. V., Zolotarevskiy, V. I., Ivanov, L. V., Kukushkina, N. A.

TITLE: A potential-impulse system of elements for digital machines.

SOURCE: Akademiya nauk SSSR. Institut elektronnykh upravlyayushchikh mashin. Tsifrovaya tekhnika i vychislitel'nyye ustroystva. no. 2. 1962, 3-18.

TEXT: With reference to the development of a potential-impulse system of elements, the present paper examines the potential elements of the system only. The impulse elements (the starting gate and the shaping gate) are described in another paper on pp. 19-31 of the present sbornik (Abstract S/799/62/000/002/002/011). The static trigger is described, schematically depicted, and its stability regions are circumscribed. The diode decoder is shown in a schematic circuit diagram, a schematic static calculation graph, and an analytical expression. The emitter-repeater is shown in a schematic diagram and is analytically described. The following guiding principles were observed: (1) All parts are not fully current- and voltage-loaded to ensure long service life and good timewise operational stability; (2) all elements of the system are standardized; the system consists of a trigger, a trigger-starting gate, and a pulse-shaping gate, an emitter-repeater, and logical circuit diode decoders; (3) the possible links between elements are strictly determined. Thus the

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A potential-impulse system of ....

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trigger can operate only on the emitter-repeater, the shaping gate on an analogous shaping gate or a starting gate, the emitter-repeater either on the diode decoders or on the emitter-repeaters; the diode decoders control the impulse gates. The impulses and voltage levels in the links are standardized; (4) all noise-minimizing measures are taken. There are 6 figures and 2 Russian-language Soviet references.

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S/799/62/000/002/002/011

AUTHORS: Belynskiy, V. V., Ivanov, L. V., Klykov, L. V.

TITLE: Impulse-shaping networks of elements of digital machines.

SOURCE: Akademiya nauk SSSR. Institut elektronnykh upravlyayushchikh mashin. Tsifrovaya tekhnika i vychislitel'nyye ustroystva. no. 2. 1962, 19-31.

TEXT: The paper describes the development of pulse-producing networks for computers in which the potential-impulse system of elements is employed. The pulse-producing network performs a variety of functions, amplification of cadence pulse, amplification of pulses transmitted by cable, delay lines, register (sender) gates, and other amplifiers. The shaping and gating of pulses was investigated in detail in the course of the development. Gating investigated was by diode, transformer, diode-transformer with amplifying triodes, various types of triode gates. Concurrently with this work, several versions of the utilization of elements in the logical networks of computing machines were examined. Following these preliminary steps, it was concluded that only two types of pulse-type elements were suitable for utilization in this system: The trigger-starting gate and the shaper gate. The two differ characteristically in that the starter gate is a pulse network which operates on a potential network, whereas the shaper gate is a pulse network which

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operates on a pulse network. The paper examines only the latter two networks in detail. Each gate has a pulse input and a potential input that is connected with a decoder. The starter gate is described in detail, with a schematic diagram of starter gates operating on a trigger. Experimental characteristics of starter gates are shown. A description of a shaper gate and a shaper amplifier is supplemented with schematic circuit diagrams of each and analytical expressions describing their operation. Experimentally determined voltage oscillograms at the output of the shaper gate are shown. A circuit diagram is shown with 2 emitter-repeaters with joint outputs. Two groups of networks were exhaustively tested: A trigger group (ref. the author's paper on pp. 3-18 of the present sbornik, Abstract S/799/62/000/002/001/011) and the shaper-gate group. The tests were performed both with the nominal network parameters and with the values of the parameters that deviated in the sense of deterioration. The stability regions and the experimental load characteristics of the shaper gates are shown. There are 10 figures and the 1 above-cited Russian-language Soviet reference.

BELYSHEV, A.K., inzh.

Study of the grinding of ores in a mill operating at superdritical speed. Izv. vys. ucheb. zav.; gor. zhur. 6 no.4:166-170 '63. (MIRA 16:7)

1. Magnitogorskiy gornometallurgicheskiy institut imeni Nosova. Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh. (Milling machinery)

SHOKHIN, V.N.; BELYSHEV, A.K.

Remarks on the article "Ball mill performance at supercritical speeds" by S.I.Denev. TSvet. met. 36 no.7:90 Jl '63. (MIRA 16:8)
(Crushing machinery)

SOCHIVKO, L.F.; BOGOYAVLENSKAYA, N.L.; DULETOVA, M.Ye.; BELYSHEV, A.P.

New EFS-01 photostimulator. Med. prom. 16 no.1:57-59 Ja '62.
(MIRA 15:3)

1. Samostoyatel'noye konstruktorskoye tekhnologicheskoye byuro biologicheskogo i fiziologicheskogo i fiziologicheskogo priborostroyeniya.

(ELECTROENCEPHALOGRAPHY)
(LIGHT—PHYSIOLOGICAL EFFECT)

BOCHIVKO, L.F.; BOGOYAVLENSKAYA, N.I.; [illegible]; MLODINA, N.I.;

FFS-02 photophonostimulator. Med. prom. 17 no.9:43-50 S'63.
(MIRA 17:5)

1. Samostoyatel'noye konstruktorskoye tekhnologicheskoye byuro "Biofizpribor".

BELYSHEV, B.F.

Biology and systematizationof Eritheca bimaculata Charp. (Odonata) from the Kulundinsk steppe.
Ent. ob. 31 no. 3, 1951

1. BELYSHEV, B.F.

2. USSR (600)

4. Dragonflies - Chelyuskin, Cape

7. Dragonflies on Cape Chelyuskin, Priroda 42 no. 4, 1953.

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

BELYSHEV, B.F.

"Through Siberia" (guide for tourists). V.N.Skalon. Reviewed by B.F.Belyshev. Geog. v shkole no.4:79 Jl-Ag '54. (MLRA 7:8)
(Siberia--Description and travel) (Skalon, V.N.)

BELYSHEV, B.F.

USSR/Biology - Entomology

Card 1/1 Pub. 86-27/33

Authors : Belyshev, B. F.

Title : The mysterious dragon fly in Altai

Periodical : Priroda 43/11, page 119, Nov 1954

Abstract : It is found that the apparent rarity of the variety of dragon fly (Altaigonphus heterastylus) which inhabits Altai in the Soviet Union is explained by its habit of flying only in the sunlight over the ripples of streams where it blends with its background, making it hard to see and giving the impression of its nonexistence.

Institution : ...

Submitted : ...

BELYSHEV, B.F.

"Natural history of Tomsk Province." B.G.Iogansen.Reviewed by B.F. Belyshev. Geog. v shkole 18 no.6:72 N-D '55. (MLRA 9:1)
(Tomsk Province--Natural history) (Iogansen, B.G.)

BELYSHEV, B.F.

"Larvae of dragonflies (Odonata) in the U.S.S.R."; guides to the fauna of the U.S.S.R., no.50. A.N.Popova. Reviewed by B.F.Belyshev. Zool.zhur. 34 no.3:697-698 My-Je '55. (MLRA 8:8)
(Dragonflies) (Popova,A.N.) (Larvae)

BELYSHEV, B.F.

BELYSHEV, B.F.

Unknown forms and metamorphic stages of dragonflies in Siberia.
Zam. po faune i flore Sib. no.18:27-29 '55. (MIRA 11:1)

1. Biyskiy krayevedcheskiy muzey.
(Altai Territory--Dragonflies)

USSR / General and Specialized Zoology. Insects. P
Systematic and Faunistic

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 78159

Author : Belyshev, B. F.
Inst : Far Eastern Branch AS USSR
Title : Contribution to the Knowledge of the Far Eastern Fauna of Odonata.

Orig Pub : Tr. Dalnevost. fil. AN SSSR, ser. zool., 1956, 3 (6), 181-199.

Abstract : An annotated checklist of 39 species, among them Aeschnophlebia kolthoffi Sjosted and Hologomphus lunatus, Bart. new to the fauna of the USSR. Keys are given for 4 subspecies of Sympetrum pedemontanum and 3 subspecies of Agrion hylas. Bibl. 28 names.

Card 1/1

BELYSHEV, B.F.

Southern species of dragon flies (Odonata, Insecta) in the hot springs of northern Transbaikalia [with English summary in insert]. Zool.zhur.35 no.11:1735-1736 D '56. (MLRA 10:1)

1. Biyskiy krayevedcheskiy muzey.
(Transbaikalia--Dragonflies)

BELYSHEV, B.F.

USSR/General and Special Zoology. Insects P

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 25581

Author : Belyshev B.F.
Inst : Not Given
Title : Basic Principles of the Geographical Distribution of the Grasshoppers in the Paleoarctic Region. (Osnovnyye printsipy geograficheskogo rasprostranenyya strekoz v Paleark-tike.)

Orig Pub : Tr. Tomskogo un-ta, 1956, 142, 185-194

Abstract : The distribution and shapes of areas inhabited by 456 species of grasshoppers belonging to the Paleoarctic (P) were studied in order to determine the basic principles of the geographic distribution of grasshoppers in the paleoarctic regions. Five latidudinal belts of P, each with the following number of species, were distinguished: 1) the arctic - to the north of the polar circle, with 15 species; 2) the subarctic - between the polar circle and 60 deg of northern latitude - inhabited by 44 species 3) the cool-moderate--between 50 and

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Abs Jour : Ref Zhur - Biol., No 6, 1958, No 25581

60° of northern latitude, 77 species 4) warm-moderate -- between 40 and 50° of northern latitude, 164 species; 5) subtropical - between 40 deg of northern latitude and the tropic, inhabited by 387 species. Thus, the number of trans-paleoarctic species decreased and the number of locally found species increased. Further, three longitudinal sectors of P were distinguished: 1) European-African--to 40 deg of eastern longitude, with 132 species; 2) West Asian--from 40 to 90 deg of eastern longitude, with 113 species; 3) East-Asian--from 90 deg of eastern longitude, with 349 species. For the first sector only 76 species were more or less characteristic, 34 species were endemic (25%) and there was one genus (Oxygastra). The fauna of the second sector was even poorer; it had less endemic species: 17 species (12%) and one genus (Attaigomphus). The fauna of the third sector was the richest; it had many endemic species (289; 84.5%) and a number of genus. Representative species were found mostly in the southern half of the Paleoarctic. Twelve authentic cases of

isolated areas were enumerated. In the study of the area-shapes two basic types were made apparent: ribbon-like and rounded. The ribbon-like areas were endemic to the north; the rounded areas, 50% of the total number, were mostly endemic to Eastern Asia; they were remnants of wider areas. V-shaped areas were transitional; less numerically than the other areas (7%), they were characteristic of western P. The shape of 25.8% of areas was indistinct; these were the areas which enclosed the Paleoarctic only in part.

BELYSHEV, B. F.

GDR / General and Special Zoology. Insects. Systematics and Faunistics. P

Abs Jour : Ref Zhur - Biol., No 10,1958, No 44658

Author : Belyschew, B. F.
Inst : Not given
Title : The Larvae of Agrion hylas Trybom. (Odonata, Agrionidae).

Orig Pub : Dtsch. entomol. Z., 1957, 4, No 3-4, 191-192

Abstract : Not given

Card 1/1

BELYSHEV, B.F.

Scientific literature and textbooks on deratization published by medical institutions; in place of a review. Gig. i san. 22 no.3: 88-90 Mr '57. (MLRA 10:6)
(RATS--EXTERMINATION)

BELYSHEV, B.F.

Dwarf form of Lestes uncatus Kirby (Odonata, Lestidae) from the hot springs of northern Transbaikalia. Ent. obos. 36 no.1:161-162 '57.
(MLRA 10:4)

1. Biyskiy muzey, g. Biysk.
(Baikal region--Dragonflies)

BELYSHEV, B.F.

"Dragonflies of the Latvian S.S.R." by Z.D. Spuris. Reviewed by B.F. Belyshev. Zool. zhur. 36 no.6:957 Je '57. (MLRA 10:8)
(Latvia--Dragonflies)
(Spuris, Z.D.)

Ob' region.

[illegible], [illegible], Cand Bio Sci--(diss) "Dragon-flies of the Upper ~~[illegible]~~" Tomsk, 195[illegible]. 11 pp (Min of Higher Education USSR. Tomsk State U im V.V. Kuybyshev), [illegible] copies. List of author's works at end of text.
(KL, 21-58, 101)

— 30 —

BELYSHEV, B.F.

Two findings of fossil rodents in Western Siberia. Mat. po ist. fauny i flory Kazakh. 2:82-83 '58. (MIRA 11:7)
(Tara Valley--Jerboas, Fossil) (Anuy Valley--Beavers, Fossil)

USSR/General and Systematic Zoology. Insects. Systematics and Faunistics P

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11448

Author : Belyshev B.F., Shevchenko V.V.
Inst : Institute of Zoology AS KazSSR
Title : Fauna of the Dragonflies (Odonata) in Talas Altae and Karatay (Western Tyan-Shan').

Orig Pub : Tr. In-ta zool. AN KazSSR, 1958, 8, 222-223

Abstract : An inventory of 21 dragonfly species and data on places and time of collection.

Card : 1/1

BELYSHEV, B.; DOSHIDORDZHI, A.

Dragonflies (Odonata) of Mongolia [with summary in English]. Zool. zhur. 37 no.1:34-40 Ja '58. (MIRA 11:2)

1. Mongol'skiy gosudarstvennyy universitet, Ulan-Bator.
(Mongolia--Dragonflies)

BELYSHEV, B.F.

Forest-steppe relicts in the bird fauna of the Narym taiga.
Trudy Probl. i tem. sov. no.9:108-111 '60. (MIRA 13:9)

1. Altayskiy gosudarstvennyy zapovednik.
(Narym region--Birds)

BELYSHEV, B.F.

Principal subdivisions of the Palaearctic region on the basis of the distribution of dragonflies (Insecta, Odonata). Izv. Sib. otd. AN SSSR no. 10:94-102 '60. (MIRA 13:12)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.
(Dragonflies) (Zoogeography)

BELYSHEV, B.F.

Phenology of the flight of dragonflies (Odonata) in steppes of the Altai Mountain region and some general features of this phenomenon. Ent. oboz. 39 no.2:395-403 '60. (MIRA 13:9)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya Akademii nauk SSSR, Irkutsk.
(Altai Mountain region--Dragonflies) (Phenology)

BELYSHEV, B.F.

Conditions governing the existence of larvae of the dragonfly Orthetrum albistylum Selys in a hot spring of the Baikal region. Zool. zhur. 39 no.9:1432-1433 S '60. (MIRA 13:9)
(Baikal Region--Dragonflies)

BELYSHEV, B.F.

Utilization of other animals for locomotive purposes within the body of water by the mollusk Spherium corneum L. Kraeved. (MIRA 15:2)
Zbor. no.6:97-98 '61.
(Mollusks—Behavior)

BELYSHEV, B.F.

Zoogeography of the upper Ob' Valley based on the distribution of dragonflies (Odonata, Insecta). Izv.Sib.otd.AN SSSR no.8:93-104 '61. (MIRA 14:8)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR, Irkutsk.

(Ob' Valley--Dragonflies)

BELYSHEV, B.F.

Vertical limits of dragonfly distribution in the Altai Mountains.
Zool.zhur. 40 no.7:1103-1104 Jl '61. (MIRA 14:7)
(Altai Mountains--Dragonflies)

BELYSHEV, B.F.

The boundary of Palaearctic Asia on basis of the distribution of Odonata. Annales zool 19 no.12:437-453 N '61.

BELYSHEV, B.F. (Irkutsk); OVODOV, N. (Irkutsk)

Somatochlora sahlbergi Trybom (Odonata, Insecta) in southern Siberia.
Zool. zhur. 40 no.12:1892-1893 D '61. (MIRA 15:3)
(Baikal Lake region--Dragonflies)

BELYSHEV, B.F.

Range of the Palaearctic region in the New World based on the distribution of Odonata. Zool.zhur. 41 no.11:1743-1746 N '62. (MIRA 16:1)

(North America—Dragonflies)

.BELYSHEV, Boris Fedorovich; KOZHOV, M.M., doktor biol. nauk, otv. red.; KRICHEVSKAYA, F.I., red. izd-va; GALIGANOVA, L.M., tekhn. red.

[A guide to the dragonflies of Siberia based on imaginal and larval phases] Opredelitel' strekoz Sibiri po imaginal'nym i lichinochnym fazam. Moskva, Izd-vo Akad. nauk SSSR, 1963. 112 p. (MIRA 16:7)
(Siberia--Dragonflies)
(Siberia--Insects--Development)

BELYSHEV, B.F.

Structure and history of the formation of insular and peninsular odonatological faunas of northeastern Asia. Zool. zhur. 42 no.11:1638-1645 '63. (MIRA 17:2)

1. East Siberian Biological Institute, Siberian Branch of the Academy of Sciences of U.S.S.R., Irkutsk.

BELYSHEV, B.F.

Basic problems of interrelations between the dragonflies (Odonata, Insecta) of Siberia and America within the Palaearctic area. Izv. SO AN SSSR no.12. Ser. biol.-med. nauk no.3:66-75 '63. (MIRA 17:4)

1. Vostochno-Sibirskiy biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Irkutsk.

BELYSHEV, B.F.; KURENTSOV, A.I.

Study of dragonflies (Odonata) in the Amur Valley. Trudy Vost.
-Sib. fil. AN SSSR no.40:71-80 '64. (MIRA 17:4)

BELYSHEV, B.F.

Odonatological fauna of the upper Ob' Valley. Trudy Vost. -Sib. fil. AN SSSR no.40:4-70 '64. (MIRA 17:4)

BELYSHEV, B.F.; DUL'KEYT, G.D.

Odonatological fauna of the eastern Altai. Trudy Vost.-Sib. fil. AN SSSR no.40:81-97 '64. (MIRA 17:4)

[illegible], B.F.

[illegible] of dragonflies [illegible] various bodies of water [illegible] under [illegible] Valley and some problems of prophylaxis of [illegible] infestation of birds. Izv. [illegible] no.8 Ser. [illegible] nauk no.2:131-139 '64 (MIRA 18:1)

1. Vostochno-Sibirskiy biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Irkutsk.

BELYSHEV, B.F.

New genera and species of dragonflies (Odonata, Insecta) in the U.S.S.R. from the Far East. Zool. zhur. 44 no.4:611-613 '65. (MIRA 18:6)

1. Vostochnosibirskiy biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Irkutsk.

BELYSHEV, B.F.

Phenology of the flight of drosophilids (Diptera, Drosophilidae) in Siberia beyond the Arctic Circle and general characteristics of this phenomenon in northern palearctic regions. Zool. zhur. 44 no.7:1014-1017 '65. (MIRA 18:9)

1. Vostochnosibirskiy biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Irkutsk.

BELYSHEV, B.F.

Morphogenetic territories in the northern Palaearctic. Izv. Alt. otd. Geog. ob-va SSSR no.5:145-147 '65. (MIRA 18:12)

1. Biologicheskiy institut Vostochno-Sibirskogo otdeleniya AN SSSR.

BELYSHEV, B.P.

Oil and gas formation in the lower Carboniferous in the Veslyanskiy swell. Geol. nefti i gaza 9 no.8:31-35 Ag '65.
(MIRA 18:8)

1. Permnefterazvedka.

BELYSHEV, I.I., fel'dsher (Shakhta Kamenskoy oblasti)

Group irradiation of miners by ultraviolet rays. Fel'd. i akush. 21 no.9:37 S '56. (MLRA 9:10)
(MINERS--DISEASES AND HYGIENE)
(ULTRAVIOLET RAYS--THERAPEUTIC USE)

SOURCE CODE: UR/3095/66/035/000/0111/0115

ACC NR: AT6035090

AUTHORS: Belyshev, I. I.; Grigor'yev, G. N.

ORG: none

TITLE: Method for setting up autonomous anchored stations during the fourteenth trip of the scientific research ship "Mikhail Lomonosov"

SOURCE: AN UkrSSR. Morskoy gidrofizichoskiy institut. Trudy, v. 35, 1966. Gidrofizicheskiye i gidrokhimicheskiye issledovaniya tropicheskoy zony Atlantiki (Hydrophysical and hydrochemical research in the tropical zone of the Atlantic), 111-115

TOPIC TAGS: ocean current, sea water, recording equipment, ocean floor topography / BPV-2 recording equipment

ABSTRACT: A method for setting up anchored stations carrying self-recording equipment of the type BPV-2 for the study of currents in the tropical region of the Atlantic Ocean is described. Altogether, 15 anchored stations were placed and removed during the 14th trip of the scientific research ship "Mikhail Lomonosov" for investigating the configuration of the Brazilian and Lomonosov currents. The stations were placed at depths of 3000--5000 m. The buoyancy and dynamic stresses have been calculated for the specific conditions, taking into consideration the current velocity, water density, and strength of the materials used. The topography of the sea bottom

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ACC NR: AT6035090

had been investigated prior to setting up the stations, and the optimal locations had been selected. A detailed description of the procedure for placing and removing the recorder-carrying stations is given, and the process is illustrated. It was established that none of the anchored stations was subject to drifting during the experimental work. Orig. art. has: 2 figures and 4 equations.

SUB CODE: 08/ SUBM DATE: none

Card 2/2

BELYSHEV, P.V.

"High-speed unreeling of yarn"
Tekst. prom. 12,no. 6, 1952

BELYSHEV, P.V., kandidat tekhnicheskikh nauk.

Introducing high-speed warp yarn winding. Tekst.prom.15 no.3:20-21 Mr '55. (MLRA 8:4)
(Weaving)

BELYSHEV, P.V., kandidat tekhnicheskikh nauk, dotsent.

Effect of relative humidity of the air on breakages of staple yarn. Tekst.prom. no.3:42-44 Mr '56. (MLRA 9:6)
(Humidity) (Yarn)

BELYSHEV, P.V.; USOV, G.V.; SOLOV'YEV, M.K. [deceased]; LEBEDEV, N.D.; LEVIN, V.F.; PEVZNER, M.L.; USOV, A.M.; ZOLKIN, I.D.; KONOSHOV, N.A.; IVANOV, P.P., red.; PANKRATOV, A.I., tekhn. red.

[Economics of a textile enterprise; for the aid of studying applied economics] Ekonomika tekstil'nogo predpriiatiia; v pomoshch' izuchaiushchim konkretnuiu ekonomiku. Ivanovo, Ivanovskoe knizhnoe izd-vo, 1960. 359 p. (MIRA 14:7)

(Textile industry)

BELYSHEV, P.V.

Basic directions in developments in equipment and techniques in the textile industry during the present seven-year plan. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:3-8 '60. (MIRA 13:6)

1. Ivanovskiy tekstil'nyy institut.
(Textile industry)

ROZHOK, I., podpolkovnik; BELYSHEV, V., kapitan

Competitions for signalmen by correspondence. Voen. vest. 41 no.5:107-108 My '61. (MIRA 14:8)
(Communications, Military--Study and teaching)

BELYSHEV, V.N.

(Automobile of the Gor'kov Automobile factory, model-51; construction, maintenance and repair) Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. 487 p. (53-18817)

TL215.G2A5

1. Motor -trucks. I. Belyshev, V.N.

BELYSHEV, Valentin Nikolayevich; BORISOV, Vitaliy Ivanovich; PROSVIRNIN, Aleksandr Dmitriyevich; SHNEYDER, Georgiy Konstantinovich; LIPGART, A.A., prof., red.; AVAKIMOV, G.G., red.izd-va; SHIKIN, S.T., tekhn. red.

[GAZ-51A motortruck; design, maintenance, and repair] Avtomobil' GAZ-51A; ustroistvo, obsluzhivanie i remont. Izd. 2., ispr. i dop. Pod obshchei red. A.A.Lipgarta. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 515 p. (MIRA 11:7)
(Motortrucks)

BELYSHEV, Ye.V.

Effectiveness of using AT-100-6 looms. Tekst. prom. 20 no. 12:17-18 D '60. (MIRA 13:12)

1. Direktor Pavlovo-Pokrovskoy fabriki.
(Looms)

BELYSHEVA, Ye.V.

"Problems in the chemistry of seas"; "Trudy" of the Institute of Oceanography of the Academy of Sciences of the U.S.S.R., vol.33. Reviewed by E.V.Belysheva. Okeanologiia 1 no.6:1118-1119 '61. (MIRA 15:1)

(Sea water--Composition)

SIDOROV, Yuriy Pavlovich; KOKOREV, Vasiliy Aleksandrovich; BELYSHEV, Ye.V., retsenzent; CHUGREYEVA, V.N., red.; TRISHINA, L.A., tekhn. red.

[The P-105 pneumatic and G-105B hydraulic looms]Pnevmaticheskie P-105 i gidravlicheskie G-105B tkatskie stanki. Moskva, Rostekhizdat, 1962. 85 p. (MIRA 15:12)

(Looms)

RADTSIG, V., kand.tekhn.nauk; BELYSHEVA, N., inzh.

Using ferric sulfate as a coagulant. Zhil.-kom.khoz. 7 no.11:16-18 '57. (MIRA 10:12)

(Water--Purification) (Iron sulfates)

PUSHKAREVA, S.A., kand.tekhn.nauk; BELYSHEVA, N.A., inzh.

Using copper plating for restoring brushholder dimensions. Vest. TSNII MPS 19 no.1:59-60 '60. (MIRA 13:4)

1. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta Ministerstva putey soobshcheniya.
(Brushes, Carbon (Electric)--Maintenance and repair)
(Electric locomotives)

PUSHKAREVA, S.A., kand.tekhn.nauk (g. Sverdlovsk); BELYSHEVA, N.A., inzh. (g. Sverdlovsk)

Effective method for reconditioning the brush holders of traction motors. Elek. i tepl. tiaga 5 no.3:18-19 Mr '61. (MIRA 14:6)
(Electric railway motors)
(Brushes, Electric)

L 09077-67 EWT(1) GW

ACC NR: AT6028737 (N) SOURCE CODE: UR/3116/66/269/000/0028/0037

AUTHOR: Belysheva, Ye. V. (Candidate of geographical sciences)

ORG: none

TITLE: Alkali reserve of the Laptev Sea

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Trudy, v. 269, 1966. Okeanograficheskiye i gidrometeorologicheskiye issledovaniya Arkticheskikh morey (Oceanographic and hydrometeorological studies of Arctic Seas), 28-37

TOPIC TAGS: sea ice, alkali, chlorine

ABSTRACT: The author summarizes the findings of Alekin, Bochkarev and other researchers on the chemical composition--in particular, the alkalinity--of the waters discharging into the Laptev Sea from the Lena, Yana, Anabar, and Khatanga rivers. A table presents data, by month, on the Ca, Mg, Na, K, HCO_3, SO_4, and Cl content of the rivers flowing into the Laptev Sea basin. Data are also presented on the chlorinity and alkalinity of Laptev Sea ice. Maps of alkalinity on the surface and at various depths and in various regions of the Laptev Sea are given. Orig. art. has: 5 tables, 5 figures.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 011

UDC: 551.464:543.319(268.52)

Card 1/1

ACC NR: AT6028736 (N) SOURCE CODE: UR/3116/66/269/000/0019/0027

AUTHOR: Belysheva, Ye. V. (Candidate of geographical sciences)

ORG: none

TITLE: Some peculiarities in the distribution of dissolved oxygen in the north Greenland Sea in winter

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Trudy, v. 269, 1966. Okeanograficheskiye i gidrometeorologicheskiye issledovaniya Arkticheskikh morey (Oceanographic and hydrometeorological studies of Arctic Seas), 19-27

TOPIC TAGS: sea water, photosynthesis, oxygen consumption

ABSTRACT: The concentration of oxygen dissolved in the sea water is determined for any point of the sea by the ratio of velocities of its entry and absorption. Upper layers of the sea are enriched by oxygen by direct absorption from the atmosphere and photosynthesis. Deeper layers in the sea receive oxygen exclusively from the circulation of oxygenated waters. The characteristics of the cold, deeper waters in the western parts of the Greenland Sea fluctuate from season to season. From summer to winter, the bottom waters become cooler and their oxygen content increases correspondingly. These changes are conditioned by the vertical exchange with the overlying layer of Atlantic water and by the southward displacement of the deeper waters of the Greenland Sea. In

UDC: 551.464.621(268.2)

Card 1/2

ACC NR: AT6028736

the central portion of that sea, the outward spread of the Atlantic water is limited near latitude 80° N by the 0° isotherm and the isooxygen line of 8.60 ml/l. The amount of dissolved oxygen is greater beyond those limits. Oxygen content decreases with depth because of its consumption by oxidizing organic matter. Orig. art. has: 4 figures.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

L 23378-66 EWT(1) GW

ACC NR: AP6007650 (N) SOURCE CODE: UR/0213/66/006/001/0076/0081

AUTHOR: Nikiforov, Ye. G.; Belysheva, Ye. V.; Blinov, N. I.

ORG: Arctic and Antarctic Scientific Research Institute (Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut)

TITLE: Structure of water masses in the eastern part of the Arctic basin

SOURCE: Okeanologiya, v. 6, no. 1, 1966, 76-81

TOPIC TAGS: ocean dynamics, sea water, ocean current, ocean property

ABSTRACT: Earlier investigators (Nansen, Shirokov, Shtokman) identified surface, deep, and bottom water masses in the Arctic. However, a study made in 1941 and investigations conducted by Maksimov (1946) Timofeyev (1946, 1951), and others have revealed the presence of an underwater rise impeding water exchange at the bottom water level in the Nansen depression. Tudkovich (1955), Treshnikov (1959), and Coachman and Barnes (1961) investigated Arctic water characteristics and established the existence of Pacific Ocean waters in the basin. A study made between 1951 and 1963 showed that 1) the intermediate temperature minimum found at 100 to 150 m water levels in the eastern part of the Arctic basin, and the interlayer are of the Pacific Ocean origin; 2) the composition of the two layers entering the Arctic basin from the Pacific Ocean through the Bering Strait are substantially different in temperature, salinity, and

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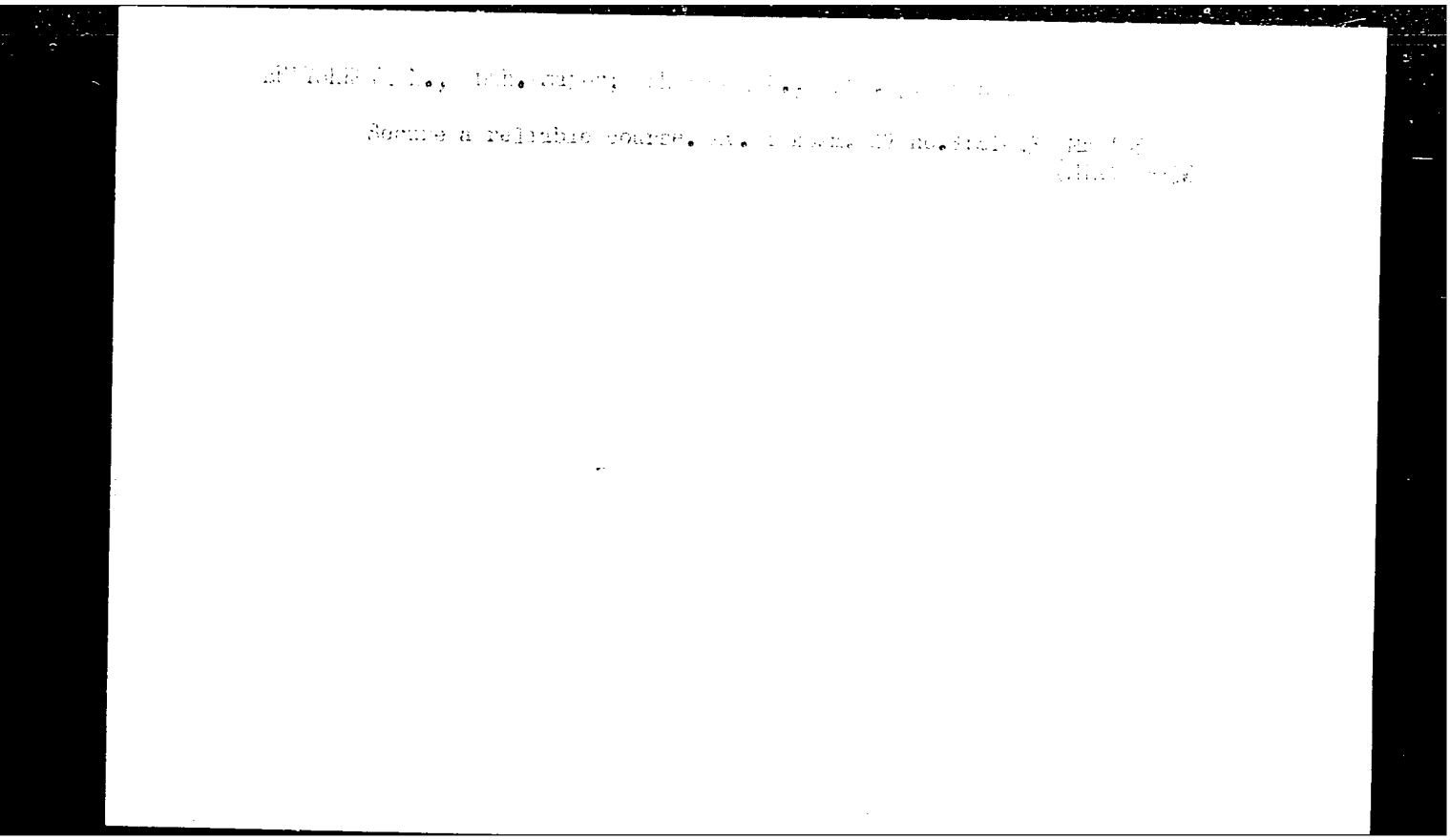
L 23378-66

ACC NR: AP6007650

biogenous content; 3) this fact strongly supports the view of Treshnikov (1959) and Coachman and Barnes that the surface Arctic waters are largely of Pacific Ocean origin; 4) a considerable water exchange at the 1500 to 2000 m layer apparently exists between the western and eastern depressions of the basin; and 5) the conclusions arrived at indicate the necessity for a different approach to the study of the dynamics and origin of Arctic water masses. Orig. art. has: 4 figures.

SUB CODE: 08/ SUBM DATE: 31Dec64/ ORIG REF: 010/ OTH REF: 003

Card 2/2



BELYTSER, V. A.: KHODKOVA, M.L.

Fermentation

Mechanism of the action of ferens; criticism of P.V. Afanas's hypothesis. Ukr. biokhim. zhur., 22, No. 1, 1950.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

BELYUCHENKO, I., aspirant

Protection of legumes in Cuba. Zashch. rast. ot vred. i bol. 10 no.8:49-50 '65. (MIRA 18:11)

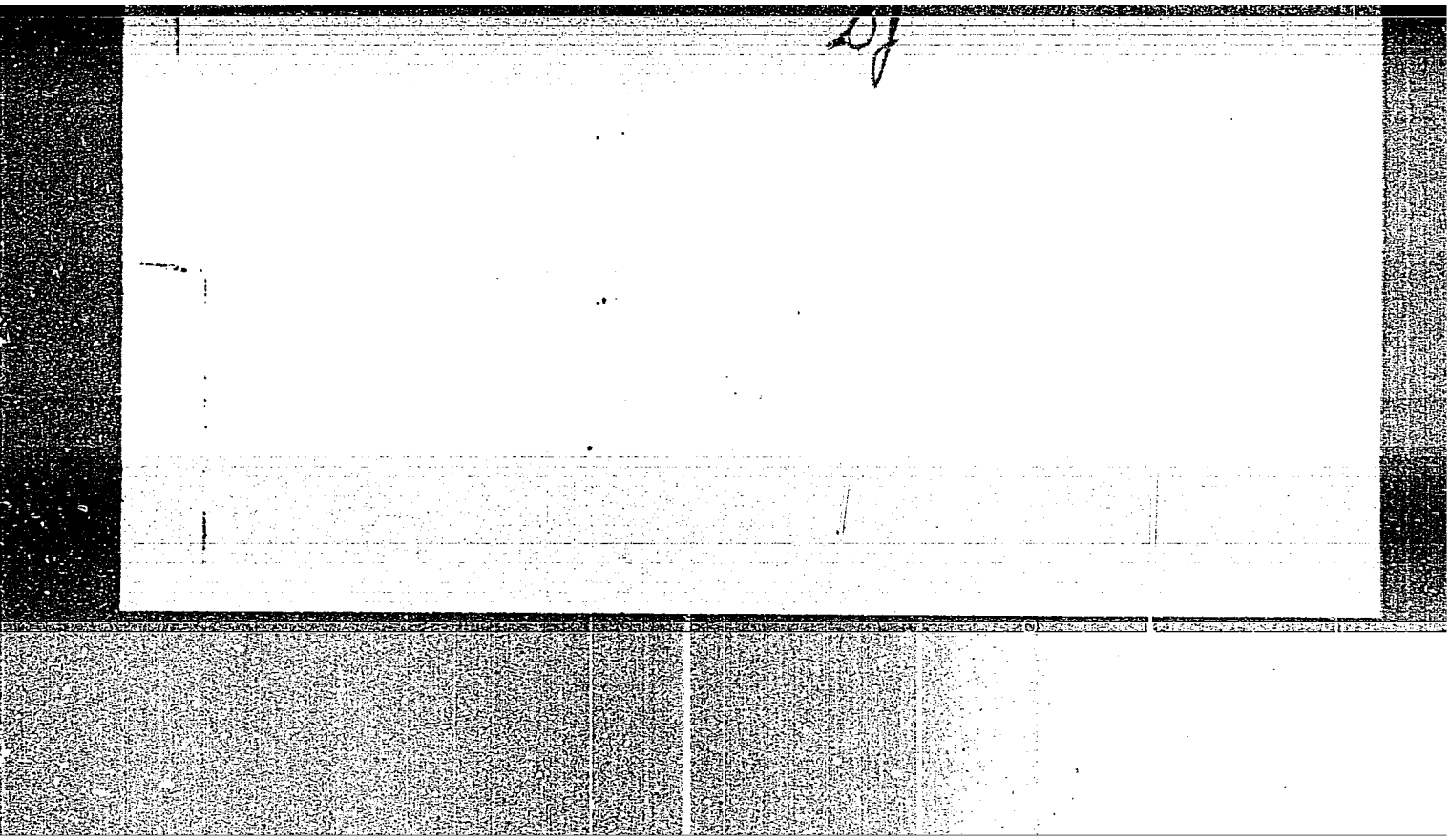
1. Universitet druzhby narodov imeni Patrisa Lumumby.

BELYUCHENKO, I.P., inzhener

Mechanized casting mold lubrication. Stal' 15 no.7:660-661 Jl '55. (MIRA 8:9)

1. "Azovstal'".

(Founding)



BELYUKAS, PROF K. K.

Aug 53

USSR/Geophysics - Lakes

"Lakes of the Lithuanian SSR," Prof K. K. Belyukas, Active Member Acad Sci Lithuanian SSR

Priroda, No 8, pp 103-105

States that about 4000 lakes occupy more than 93,850 hectares of the total area in Lithuania. Lakes are being utilized to develop the fishing industry and in several cases for hydroelectric power stations.

276T62

BIELIUKAS, K.

The lakes of the Lithuanian SSR.

P. 7 (Lietuvos TSR Mokslu akademija. Geologijos ir geografijos institutas. MOKSLINIAI PRANESIMAI. Vol. 1, 1955, Vilnius, Lithuania)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

BELYUKAS,K.K., doktor geograficheskikh nauk, redaktor; BULAVAS,Yu.I., kandidat istoricheskikh nauk, redaktor; KOMAR,I.V., kandidat geograficheskikh nauk, redaktor; KONOVALYUK,G.A., redaktor; GLEYKH,D.A., tekhnicheskiy redaktor

[Lithuanian S.S.R.] Litovskaia SSR. Moskva, Gos.izd-vo geogr. lit-ry, 1955. 389 p. (MLRA 9:3)

1. Deystvitel'nyy chlen AN Litovskoy SSR, (for Belyukas) 2. Chlen-korrespondent AN Litovskoy SSR, (for Bulavas)3. Starshyy nauchnyy sotrudnik Instituta geografii AN SSSR, (for Komar)
(Lithuania--Geography)

BELYUKAS, K.

Brief operation survey of the Geographical Society of the Lithuanian S.S.R. Izv. Vses. geog. ob-va 93 no.4:371-373 Jl - Ag '61. (MIRA 14:7)
(Lithuania—Geographical societies)

BELYUKAS, K.K.[Beliukas, K.], akademik, red.; GRIGYALIS, A.A. [Grigelis, A.], kand. geol.-miner. nauk, red.; GUDELIS, V.K., kand. geol.-miner. nauk, red.; KISNERYUS, Yu.L. [Kisnerius, J.], kand. geol.-miner. nauk, red.; KARATAYUTE-TALIMAA, V.N.[Karatajute-Talimaa, V.], kand. biol. nauk, red.

[Problems of geology in Lithuania] Voprosy geologii Litvy. Pod red. A.A.Grigialisa i V.N.Karataiute-Talimaa. Vil'nius, 1963. 623 p. (MIRA 16:11)

1. Lietuvos TSR Mokslu Akademija, Vilna, Geologijos ir geografijos institutas. 2. AN Litovskoy SSR (for Belyukas). (Lithuania--Geology)

GUDONITE, M.[Gudonyte, M.], otv. red.; BELYUKAS, K.[Bieliukas, K.] red.; MESHKAUSKAS, K.[Meshkauskas, K.] red.; YANUSHKYAVICHYUS, V. [Januskevicius, V.], red.

[Transactions of the Conference on the Problems of the Distribution of Industry and Urban Development, Vilnius, August 20-23, 1962] Trudy Konferentsii po voprosam razmeshcheniia promyshlennosti i razvitiya gorodov. Vilnius, AN Litovskoi SSR, 1963. 200 p. (MIRA 17:4)

1. Konferentsiya po voprosam razmeshcheniya promyshlennosti i razvitiya gorodov. Vilna, 1962. 2. Institut ekonomiki AN Litovskoy SSR (for Meshkauskas).

BELYUKAS, V.K.[Bieliukas, K.], akademik, red.; ZHELNIN, G.A., red.; GUDELIS, V.K., red.; LESIS, I.P.[Liesis, J.], red.; MAAZIK, V.Ya.[Maasik, V.], red.; OZOL, L.P. [Ozols,L.], red.; ORVIKU, K.V., red.; RAZHINSKAS, A.K. [Razinskas, A.], red.; SPRINGIS, K.Ya., red.

[Recent and latest crustal movements in the Baltic region; materials of the Interrepublic Conference on the Problems of Recent Tectonic Movements in the Baltic Region for the 2d International Symposium on the Study of Recent Crustal Movements, Helsinki, 1965] Sovremennye i noveishie dvizheniia zemnoi kory v Pribaltike; materialy... k II Mezhdunarodnomu simpoziumu po izucheniiu sovremennykh dvizhenii zemnoi kory, Khel'sinki, 1965. Pod red. V.K.Gudelisa. Vilnius, AN Litovskoi SSR, 1964. 139 p. (MIRA 18:1)

1. Mezhrespublikanskoye soveshchaniye po voprosam neotektonicheskikh dvizheniy Pribaltiki. 3d, Vilna, 1962. 2. Akademiya nauk Litovskoy SSR (for Belyukas).

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 203 (USSR) SOV/137-57-1-1534

AUTHOR: Belyunas [Bieliūnas, K.]

TITLE: On Determining the Quality of the Metal of Old Steam Boilers and a Procedure for Carrying out Metallographic Analysis Therefor (K voprosu opredeleniya kachestva metalla starykh parovykh kotlov i provedeniya metallograficheskogo analiza) in Lithuanian

PERIODICAL: Tr. Kaunassk. politekhn. in-ta 1955, Vol 3, pp 167-180

ABSTRACT: The author investigated the structure, mechanical properties, and chemical composition of the metal of various parts of 286 old steam boilers for the purpose of developing a general procedure for investigating in-service steam boilers. It is recommended that the metallographic investigation of the structure and tests for hardness and a_k be performed by the N. N. Davidenkov method. The author proposes a questionnaire which includes all possible structural elements and defects of boiler steel for the characterization of its macro- and microstructure. The structural elements

Card 1/2

On Determining the Quality of the Metal of Old Steam Boilers SOV/137-57-1-1534 (cont.)

of the specimen investigated should be characterized in accordance with existing standard scales. In order to evaluate the quality of the metallic structure of boiler steel, the author recommends four indexes supplemented by not less than two sharp photographs of the metal specimen investigated.

K. M.

Card 2/2

ACC NR: AT7004328 SOURCE CODE: UR/0000/66/000/000/0107/0115

AUTHOR: Belyuchenko, I. M. (L'vov)

ORG: none

TITLE: Signal transmission through ideal low-pass filter

SOURCE: AN UkrSSR. Metody i sredstva preobrazovaniya informatsii (Methods and means of information conversion). Kiev, Naukova dumka, 1966, 107-115

TOPIC TAGS: signal transmission, electric filter

ABSTRACT: The signal at the output of a frequency-selective system is given by: $f_\omega(\tau) = \int_0^t g(\tau - t) f(t)\, dt$, where f(t) - input signal, $f_\omega(t)$ - output signal, $g(t-\tau)$ - impulse transient response of the system. For an ideal low-pass filter: $g(\tau - t) = \frac{1}{\pi} \cdot \frac{\sin \omega(\tau - t)}{(\tau - t)}$. The present transmission error $f_\omega(\tau) - f(t)$ is determined

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ACC NR: AT7004328

in the article for $\tau = t$. The final integral formula for $f_\omega(\tau)$ permits these conclusions: (1) The absolute error of transmission can be determined, and the points of maximum and minimum signal distortion can be indicated; (2) Variation of these values depending on the pass-band value can be explored; (3) The effect of f(t) characteristics on the absolute error of transmission can be established. Orig. art. has: 20 formulas.

SUB CODE: 09 / SUBM DATE: 14Jul66 / ORIG REF: 004

Card 2/2

BELIUNOV, S. A.

Itogi desiatiletiia natsionalizirovannogo vodnogo transporta, ego nuzhdy i perspektivy. [Results of a decade of nationalized inland transportation, its needs and prospects.]. (Transport i khoz-vo, 1927, no. 8-9, p. 25-26). DLC: HE7.T68

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

Y [A]

BELIUNOV, S. and BATKIN, R.

Zheleznodorozhnyi transport vo vtorom kvartale 1932 g. /Railroad transport in the second quarter of 1932/. (Sots. transport, 1932, no. 4, p. 11-19).

DLC: HE7.S6

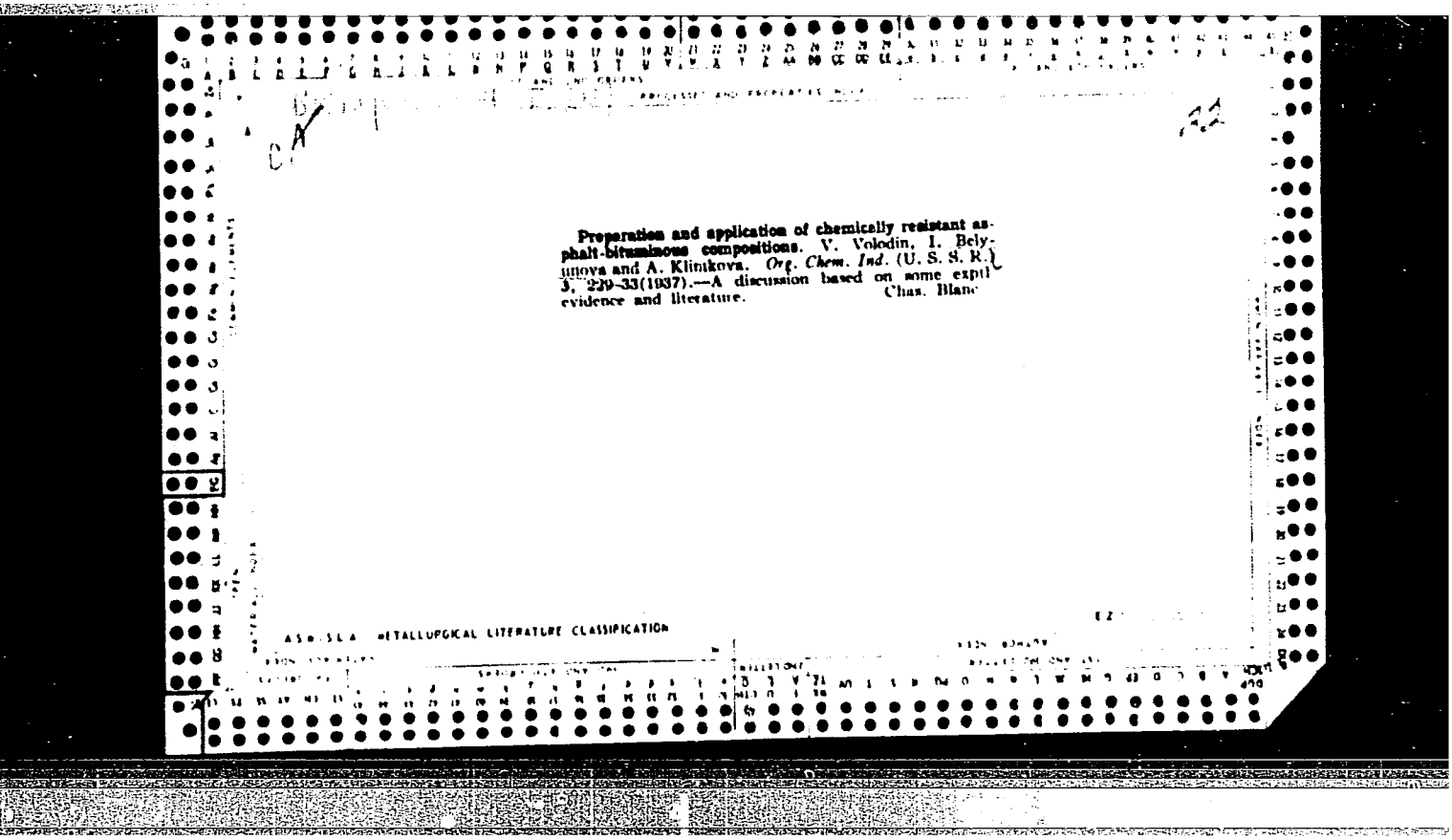
SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

BELYUNOV, S.A., inzh.; DMITRIYEV, V.I., dots., kand. ekon. nauk; KUCHURIN, S.F.; LIN'KOV, M.V.; MULYUKIN, F.P.; NEDOPEKIN, G.K., inzh.; PUZYNYA, I.Ye., inzh.; RAYKHER, G.Kh., inzh.; TRUBACHEV, T.Ye., inzh.; TYVAN-CHUK, D.P., inzh.; UMBLIYA, V.E., kand. ekon. nauk; KHOKHLOV, N.F., dots. kand. ekon. nauk; CHUDOV, A.S., prof., doktor ekon. nauk; ERLIKH, V.S., inzh.; IVLIYEV, Ivan Vasil'yevich, red.; KRISHTAL', L.I., red.; KHITROV, P.A., tekhn. red.

[Planning in railroad transportation] Planirovanie na zheleznodorozh-nom transporte; spravochnik. Moskva, Vses. izdatel'sko-poligr. ob"-edinenie M-va putei soobshcheniie, 1961. 470 p. (MIRA 14:11)
(Railroads--Management)

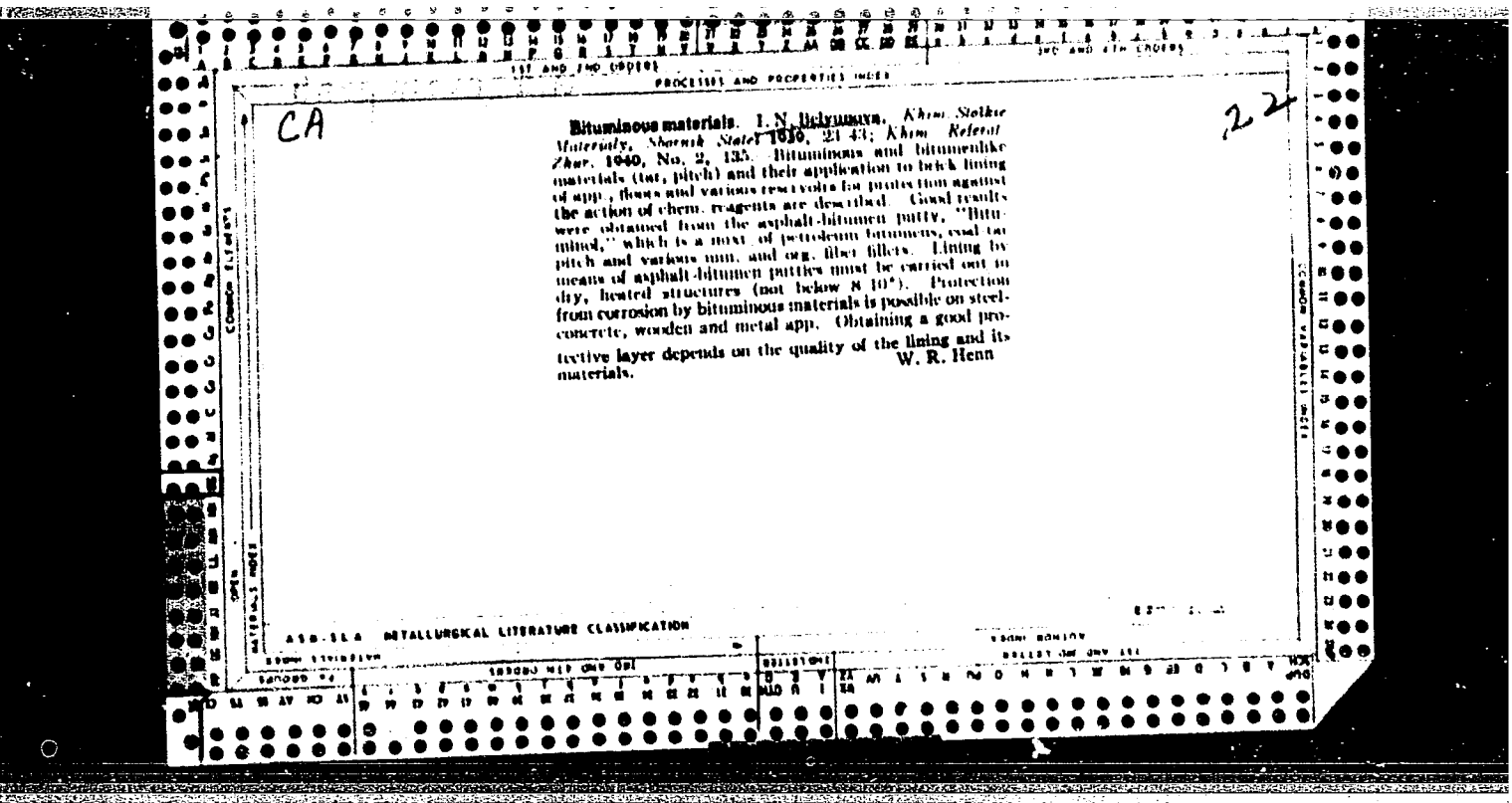
Improving the strength and chemical resistance of bricks and concrete articles. I. N. Belyuneva. Russ. 51,132, May 31, 1937. The articles are satd. with water and then immersed in molten coal-tar pitch.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Preparation and application of chemically resistant asphalt-bituminous compositions. V. Volodin, I. Belyanova and A. Klinkova. *Org. Chem. Ind.* (U. S. S. R.) 3, 229–33(1937).—A discussion based on some exptl evidence and literature. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

22

Bituminous materials. I. N. Belyumova. *Khim. Stoikie Materialy, Sbornik Statei* 1939, 21-43; *Khim. Referat. Zhur.* 1940, No. 2, 135. Bituminous and bitumenlike materials (tar, pitch) and their application to brick lining of app., floors and various reservoirs for protection against the action of chem. reagents are described. Good results were obtained from the asphalt-bitumen putty, "Bitumined," which is a mixt. of petroleum bitumens, coal tar pitch and various min. and org. fiber fillers. Lining by means of asphalt-bitumen puttys must be carried out in dry, heated structures (not below 8-10°). Protection from corrosion by bituminous materials is possible on steel-concrete, wooden and metal app. Obtaining a good protective layer depends on the quality of the lining and its materials.

W. R. Henn

BELYUNOVA, V.S., CHERNYSHEVA, I.G., YURLOVA, M.A.

Gas appliances for district and domestic use changed-over to operate compressed gas. Gaz.prom. 5 no.2:24-28 F '60. (MIRA 13:6)

(Gas appliances) (Liquefied petroleum gas)

VYSHELESSKIY, A.N.; SHMUEL'SON, I.E.; LITVINA, L.S.; DRUSKIN, L.I.; BELYUNOVA, V.S.

New gas heating equipment for public eating establishments. Gaz. prom. 7 no.5:46-50 '62. (MIRA 17:11)

AUTHOR: Belyura, P.G. SOV/121-58-9-9/21

TITLE: The Profile Correction of Broaches for the Cutting of Involute Splines (Korrigirovaniye profilya protyazhek dlya obrabotki evol'ventnykh shlitsev)

PERIODICAL: Stanki i Instrument, 1958, Nr 9, pp 29 - 31 (USSR)

ABSTRACT: A method for correcting internal involute spline broaches is presented after some propositions of involute trigonometry. The co-ordinates of the involute profile points and of the centres of tangential circles are found analytically, using the involute function. Figure 4 shows the positions of the separate broach teeth designed to avoid sticking. The correction is accomplished by raising the last cutting tooth relative to the first. This rise is called the broach correction. A geometric construction for the corrected tooth profile is given in Figure 5, and its inspection by means of rollers is shown in Figure 6. A correction geometry as proposed in the paper is characterised by a set of formulae from which the measurements of the broach across rollers after correction and before correction are compared. It is stated that the method presented for designing broaches is laborious only in profiling the

Card1/2

The Profile Correction of Broaches for the Cutting of Involute Splines

component but not in designing the tool correction. Shop tests have shown low forces and the absence of sticking. There are 8 figures.

Card 2/2

BELYUSENKO, A. I.

Curved discharge guides for self-dumping cages. Ugol' 34 no.4:39-40 Ap '59. (MIRA 12:7)
(Hoisting machinery)

BELYUSTIN, A.A.

PA - 2763

AUTHOR: MOISEYEV, V.V., MATEROVA, E.A., BELYUSTIN, A.A.

TITLE: The Production of Rubidium and Cesium Glasses and Investigation of Some of their Properties. (Polucheniye i issledovaniye nekotorykh svoystv rubidiyevykh i tseziyevykh stekol, Russian)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 4, pp 824-827 (U.S.S.R.)

Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: The study of composed silicate glasses in which the only alkaline component is rubidium of cesium makes it possible to acquire new knowledge concerning the influence exercised by alkaline ions on the properties of glass, which is of importance for the production of glass electrodes. Above all, the interaction between glass and solution can be studied. This interaction leads to the potential difference between glass and solution which is a result of the ion exchange between glass and the solution. The production of rubidium and cesium glass is difficult because these systems are difficult to melt (1600 - 1650° C). In electrode glass with hydrogen function sometimes small additions of these metals are used (2-3%), as they prevent sodium ions from penetrating into the glass, by which the alkaline error of the glass electrode is diminished. After initial difficulties the authors were able to melt 2 types of rubidium glass, the data of which are given in form of a table. However, they were still very viscous. Synthetization was finally carried out of rubidium and cesium glass: 60% SiO_2, 20% B_2O_3, 15% R_2O,

C Card 1/2

MATEROVA, Ye.A.; MOISEYEV, V.V.; BELYUSTIN, A.A.

Comparative study of the electrode and exchange properties of the glass electrode by use of radioactive tracers. Part 2: Behavior of the potassium glass electrode in alkali metal salt solutions. Zhur.fiz. khim. 35 no.6:1258-1264 Je '61. (MIRA 14:7)

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
(Electrodes, Glass) (Alkali metal salts)