

BELEN'KIY, L.I.; KAZANSKAYA, M.Ye.

Colorimetric analysis of stable diazo salts and solutions. Tekstil'.Prom.
12, No.11, 37 '52. (MIRA 5:11)
(CA 47 no.22:12131 '53)

BELEN'KIY, L. I.

Sep 52

USSR/ Chemistry - Bromination

"Bromination With Dioxane-Dibromide. I. Bromination of Phenols," L. A. Yanovskaya^A,
A. P. Terent'yev, L. I. Belen'kiy, Moscow State U

"Zhur Obshch Khim" Vol 22, No 9, pp 1594-1598

Authors propose a convenient new method for brominating phenols, naphthols, and
oxyanthraquinones in which the addn product of bromine to dioxane, i.e.,
dioxane-dibromide, is used.

232T24

BELEN'KIY, L.I.

Spectrophotometric investigation of colloidal solutions of dyes.
Izv. AN SSSR Ser.fiz. 17 no.6:756 N-D '53. (MLRA 7:3)
(Dyes and dyeing) (Colloids) (Spectrophotometer)

BELEN'KIN, L. I.

A new method for the analysis of dithionite. L. I. BeLEN'kin and M. P. Karamyskaya. *Tekhn. Prizn* 9, 89-90 (1954). The method, which is applicable to dyehouse of vat dyes, including those contg. leuco compds., depends on the use of the dye Acid Red 8 (Amaranth, C. I. 184), which in neutral or alk. soln. is reduced to naphthionic acid and amino-R-ackf. while the $\text{Na}_2\text{S}_2\text{O}_4$ is oxidized to NaHSO_4 . A measured amt. of the $\text{Na}_2\text{S}_2\text{O}_4$ soln. is added to a known vol. of a 20 g./l. soln. of the dye, the quantities being so chosen that the dye is in excess. After suitable diln., the unreduced Acid Red is detd. with the photoelectric colorimeter. When leuco vat dyes are present in the soln., it is necessary to filter off the pptd. vat pigments before dilg. and estg. The operations should be carried out within 0.5 hr. to avoid a further reduction by the sulfite present. Details of standardization are given. W. B. Mathewson.

①

BELEN'KIY L. I.

Control of vat-dyeing processes. L. I. Belen'kiy and M. E. Karanskaya. (Zh. Tekh. Fiz., 1954, 30, 10, p. 1854-56). A series of laboratory control methods is described that is based on the use of a photoelectric colorimeter, a device for determining the conductivity, and a pH meter. In conjunction with automatic control and control of the parameters concerned (temp., concn. of solutions, velocity, squeezing, etc.), the methods make possible a rational utilization of dyes and auxiliary materials.

J. Text. Inst. (R.B.C.)

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BELEN'KIY, L. I. U.S.S.R.

Spectrophotometric study of sols of vat and sulfur dyes.
 L. I. Belen'kiy (Central Sci. Research Inst. Cotton Ind., Moscow). *Kolloid Zhur*, 16, 313-31 (1954). The extinction coeffs. in visible (and partly in ultraviolet and infrared) light were detd. for mol. and colloidal sols and suspensions of Vat Blue K, indigo, monobromoindigo, dibromoindigo, Indigo KG, decarodibromoindigo, tetrabromoindigo, C.I. B. A. Blue 2B, Direct Pink 2C, and Direct Blue M. The absorption spectra depended not only on the structure of the mol. but also on the protective colloid present in the sol and, if $\text{Na}_2\text{S}_2\text{O}_4$ were present, also on the age of the sol. A part of the spectrum was due to the salts in the liquid, such as Na_2SO_4 , Na_2S , $\text{Na}_2\text{S}_2\text{O}_3$, and $\text{K}_2\text{S}_2\text{O}_8$. The light scattering by the sols was very small. Beer's law was valid when the concn. changed, e.g., in the ratio 3:1. The formation of Indanthrene Bright Green FFD from its leuco compound on shifting the pH from 11.8 to 4.5 could be followed by extinction measurements. The extinction of S dyes varied with time if the liquid contained an excess of H_2O_2 . Again a part of the spectrum was due to salts, and Beer's law was valid. Spectra were detd. for Sulfur Black, Sulfur Blue, and Immedial Dark Brown, both dyes and leuco compounds.
 I. I. Blikerman

BELEN'KIY, L. I.

USSR

Bromination with dioxane dibromide. III. Bromina-
tion of aromatic hydrocarbons and heterocycles. New
method of iodination with the aid of the complex of iodine
monochloride with dioxane. A. P. Taras'ev, L. I.
Belen'kiy, and L. A. Yanovskaya (Moscow State Univ.)
Zhur. Obshch. Khim. 24, 1265-71 (1954); *cf. C.A.* 48,
4467h. — MePh (9.5 g.) treated with dioxane-Br (1) (from
15.1 g. Br) and the mixt. heated to 35-40° rapidly lost
color and gave, after dilut. with 10% NaOH, 10.8 g. p-
MeC₆H₄Br, b. 182-4°, n. 26-7°. I (from 8 g. Br) added to
6.4 g. C₆H₆ reacted rapidly, yielding 7.6 g. 1-C₆H₅Br;
similarly 2-C₆H₄Me gave 8.8 g. 1,2-BrC₆H₄Me, b. 104-5°,
b. 182-40°, n. 1.0493. Fluorene (1.66 g.) and 2.5 g. I
gave 2.45 g. 2-Br deriv., m. 110-11°; a 2-fold excess of I
gave 100% 2,7-di-Br deriv., m. 165-6°. Anthracene and
I at 65-70° yielded the 9-Br deriv.; a 2-fold excess of I
gave 100% 9,10-di-Br deriv. Furan (4.2 g.) and 10 g. I
in dioxane with ice cooling formed 7 g. 2-Br deriv., b. 103-
4°, n. 1.4080. Sylan at 0° similarly yielded an aro-
matic heavy oil, which, however, could not be distd. with-

(over)

M. A. TERENT'EV

outlets: Indol (9.50 g.) in Et₂O at 0° with I (from 0.256 ml. Br) in Et₂O yielded 60% 3-Br deriv., m. 67°. 2-Methylindole gave 1.68 g. 3-Br deriv., m. 88-7°. 2-Methylindole gave a product, m. 77°, which, however, the same color after oxidation and failed to give quantitative yield. 2,3-Dimethyl-2,3-carbethoxypyrrole (1.07 g.) in Et₂O with 2.0 g. I gave 2.4 g. 4-Br deriv., m. 101°. 2-Acetylpyrrole (3.0 g.) and I gave at room temp. 4.3 g. 4-Br deriv., m. 106°. Similarly, 2-methyl-2,3-dimethyl-2,3-carbethoxypyrrole, m. 100°, and 100% 1-bromo-2-carbethoxypyrrole, m. 150-151°. Thionine (1.38 g.) in Et₂O gave with 7.5 g. I with cooling 0.6 g. 3-Br deriv., m. 43-4°, m.p. 158-58°. AcNHPh (1.50 g.) and 2.5 g. I in Et₂O gave rapidly 2.1 g. 2-BrNHPh, m. 120-121°. MeNHPh (12.1 g.) in Et₂O with 25 g. I yielded on treatment with dil. NaOH 2 g. 2-Br deriv., m. 53-5°. PhNH₂ (9.3 g.) in AcOH treated with 60 g. I in small portions yielded after diln. with dil. NaOH 14.5 g.

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R.P. TERENT'EV

2,4-Di- $\text{C}_6\text{H}_4\text{NH}_2$, m. 70-80°. PhOH (3 g.) in CCl_4 treated with 4.9 g. ICl and 5 ml. dioxane, and the mixt. washed after 1.5 hrs. with Na_2CO_3 and dried with K_2CO_3 yielded 5.1 g. mixed o,p-iodophenols, from which some p-isomer, m. 93°, was isolated by fractional path. from 10% NaOH with CO_2 . Salicylic acid (1.8 g.) in 6 ml. dioxane with 2.1 g. ICl in 3 ml. dioxane gave after 24 hrs. 5 g. 5-iodo deriv., m. 192°. 2-C₆H₄OH with ICl in dioxane in the presence of Et₂O gave 1,2-IC₆H₄OH, m. 94.5°. Resorcinol (1.05 g.) in 20 ml. Et₂O with 2.4 g. ICl in 5 ml. dioxane and 10 ml. Et₂O gave after 1 hr. 1.3 g. 2,4,6,1,2-IC₆H₄(OH)₂, m. 144°. 1.3 g. resorcinol in 20 ml. Et₂O with 2 g. powd. NaHCO_3 and 1.5 g. ICl in 5 ml. dioxane gave 2.16 g. oil, which slowly yielded some 4-iodoresorcinol, m. 93°. Indole (0.6 g.) in 5 ml. pyridine treated with ice cooling with 0.85 g. ICl and 5 ml. dioxane gave 1.2 g. 3-iodoindole, m. 75° (decompn.). 2-Methylindole similarly gave the 3-iodo deriv., m. 81.5°. Cf. Kosolapoff, C.A. 48, 10632f. G. M. Kosolapoff

FEDOROVA, Nina Emel'yanovna; KHORZTSKIY, Nikolay Oskarovich; BELEN'KIY,
L.I., kandidat tekhnicheskikh nauk, redaktor; GUSEVA, Ye.M.,
redaktor; KONOPLIEVA, A.I., retsentsent; NEKRASOVA, O.I., tekhnicheskii redaktor

[Technical control in cotton finishing production] Tekhnicheskii kontrol' v khlopchatobumazhnom otdelechnom proizvodstve. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva tekstil'noi promyshl. SSSR, 1955. 291 p. (Cotton finishing) (MIRA 9:2)

BELEN'KIY, L.I.; KAZANSKAYA, M.Ye.; KHAZANOV, V.S.; YUROV, S.G.
~~XXXXXXXXXXXX~~

Testing the whiteness of fabrics with a JT-1 textile photometer.

Tekst.prom. 15 no.4:43-47 Ap '55.

(MIRA 8:5)

(Photometry) (Textile fabrics--Testing)

BELEN'KIY, L.I.; KHAZANOV, V.S.; YUROV, S.G.

The FT-1 reflecto meter. Zav.lav.21 no.8:995-999 '55. (MLRA 8:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti

(Textile fabrics--Testing) (Reflectometer)

BELEN'KIY, L. I.

"Spectrophotometric Study of Colloid Dye Solutions" (Spektrofotometricheskoye issledovaniye kolloidnykh rastvorov krasiteley) from the book Trudy of the Third All-Union Conference on Colloid Chemistry, pp. 484-490, Iz. AN SSSR, Moscow, 1956

(Report given at above Conference, Minsk, 21-4 Dec 53)

Author: Central Scientific Research Institute of the Cotton Thread Industry

BELEN'KIY, L.I.

KHAZANOV, V.S., kandidat tekhnicheskikh nauk; YUROV, S.G., kandidat tekhnicheskikh nauk; BELEN'KIY, L.I., kandidat tekhnicheskikh nauk.

FT-2 universal photometer. Svetotekhnika 2 no.4:19-22 J1 '56.(MIRA 9:10)

1.Vsesoyuznyy Nauchno-issledovatel'skiy svetotekhnicheskiy institut
(for Khazanov and Yurov). 2.TSentral'nyy nauchno-issledovatel'skiy
Khlopchatobumazhnyy institut.
(Photometer)

Modern status of application of methods of control and regulation of pH. L. I. Bisen'kii, *Zavodskaya Lab.* 22, 767-78 (1956). — An illustrated review of app. (electrodes, and electronic instruments) used for control and regulation of pH in lab. or plant operations. 43 references. G. M. Kosolapov

PM

chem

ARAHANGORODSKIY, Aleksandr Grigor'yevich, kandidat tekhnicheskikh nauk;
CHERNYSHEV, Oleg Leont'yevich, inzhener; ~~BELEN'KIY, Leonid~~
~~Mikhailovich, inzhener~~; BRYANTSEVA, V.P., inzhener, vedushchiy
redaktor; ZAYTSEV, G.Z., inzhener, redaktor; PONOMAREV, V.A.,
tekhnicheskii redaktor

[Instruments for disclosing static indeterminateness of girders]
Pribory dlia raskrytiia staticheskoi neopredelennosti balok. Moskva,
Akad.nauk SSSR, 1956. 13 p. (Pribory i stendy. Tema 2, no.P-56-525)
(Testing machines) (Girders) (MLWA 10:10)

SOV/124-58-5-5922

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 140 (USSR)

AUTHORS: Arkhangorodskiy, A.G., Belen'kiy, L.M., Chernyshev, O.L.

TITLE: A Device for Design Calculation of Beams on Flexible Supports on a Continuous Flexible Foundation (Pribor dlya rascheta balok, lezhashchikh na uprugikh oporakh i sploshnom uprugom osnovanii)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniy. Nr 7. Moscow, Gosstroyizdat, 1957, pp 575-586

ABSTRACT: Description of a device serving for the mechanical calculation of statically indeterminate beams lying on free flexible supports. The basic idea of the calculation with the aid of this device consists in the following: The original beam is replaced by a similar model; the loads and the coefficient of the rigidity of the supports k_i are simulated; the sagging of the supports f_i is measured, and their reaction is calculated on the basis of measurements thereon by the formula $R_i = k_i f_i$. Then the results obtained from the model beam are extrapolated for the original beam. A continuous flexible foundation can be simulated by the simple device of increasing the number of flexible

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SOV/124-58-5-5922

A Device for Design Calculation of Beams (cont.)

supports. Examples of calculation are given and the possibility of extended field application of the described device is commented upon.

P.I. Klubin

1. Beams--Design
2. Beams--Testing equipment
3. Mathematics

Card 2/2

ARKHANGORODSKIY, A.G., kand.tekhn.nauk; BELEN'KIY, L.M., inzh.

Increasing the specific volume loading capacity of a cargo
vessel. Sudostroenie 24 no.1:1-3 Ja '58. (MIRA 11:2)
(Ships--Cargo)

ARKHANGORODSKIY, Aleksandr Grigor'yevich; BELEN'KIY, Leonid Mikhaylovich;
CHUVIKOVSKIY, G.S., nauchnyy red.; KAZAROV, Yu.S., red.; FREUMKIN,
P.S., tekhn.red.

[Analytical method of designing ship hulls] Analiticheskiy
metod proektirovaniya k rpusa sudna. Leningrad, Gos.soiuznoe
izd-vo sudostroitel.promyshl., 1959. 207 p. (MIRA 12:3)
(Hulls (Naval architecture))

ARKHANGORODSKIY, A.G.; BELEN'KIY, L.M.

Problems of nongeometrical similarity in structural mechanics.
Nauch.dokl.vys.shkoly; mash. i prib. no.1:58-62 '59.
(MIRA 12:8)

1. Stat'ya predstavlena kafedroy "Stroitel'naya mekhanika
korablya" Nikolayevskogo korablestroitel'nogo instituta.
(Structures, Theory of)

ARKHANGORODSKIY, A.G. [Arkhanhorods'kiy, O.H.] (Nikolayev); BELEN'KIY, L.M.
[Bilen'kiy, L.M. (Nikolayev)]

Problems of the similarity of thin-walled profiles. Prikl. mekh. 5
no.4:421-427 '59. (MIRA 13:3)

1. Nikolayevskiy sudostroitel'nyy institut.
(Steel, Structural)
(Strength of materials)

28 (5)

AUTHOR:

Belen'kiy, L. M.

05754

SOV/32-25-10-43/63

TITLE:

Measurement of the Contact-- Stress Between Rollers and Rails
by the Crusher ~~Gage~~ Method

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 10, pp 1254 - 1255
(USSR)

ABSTRACT:

A method for the determination of contact stress on rails was worked out, which is based upon the measurement of the flattening of a wire by pressure. An annealed copper wire of the type MM (GOST 2112-46) with a diameter of 1.8-2.2 mm is fastened to the rail (Figure). On the stressed surface of the rail the wire has two windings (in the longitudinal direction of the rail), and is fastened to the lower edge of the rail. The stress, to which the rail surface was subjected, is evaluated according to the extent to which the wire is flattened, because the width of the flattened wire depends linearly on the stress. The method described was used for the purpose of measuring contact stresses between rollers and rails in the case of the launching of ships and agreed well with the weight of the ship (within a difference of 10%). In the case of lower stresses

Card 1/2

Measurement of the Contact - Stress Between Rollers
and Rails by the Crusher Gage Method

05754

SOV/32-25-10-43/63

aluminum wire may be used. The measurements were carried out in collaboration with Zh. F. Beregovoy, V. T. Gorlyshkin, and A. S. Lavskiy. There is 1 figure.

ASSOCIATION: Nikolayevskiy korablestroitel'nyy institut (Nikolayev Ship Building Institute)

Card 2/2

M.
BELEN'KIY, L., inzh.

New shock absorbers for rollers of cross-slip launching cars.
Rech. transp. 19 no. 6:44-45 Je '60. (MIRA 14:2)
(Ships--Launching) (Shock absorbers)

KOZLOV, S.M., inzh.; BELEN'KIY, L.M., inzh.

Use of collapsible pads in ship launching sideways. Sudostroenie
26 no.10:64-67 0'60. (MIRA 13:10)
(Ships--Launching)

ACC NR: AP6036879

(N)

Monograph

UR/

Arkhangorodskiy, Aleksandr Grigor'yevich; Belen'kiy, Leonid Mikhaylovich; Litvin, Aleksandr Borisovich

Collapsible paddings in shipbuilding and ship repair (Sminayushchiesya prokladki v sudostroyeni i sudoremonte) Leningrad, Izd-vo "Sudostroyeniye", 1966. 130 p. illus., biblic. 2700 copies printed.

TOPIC TAGS: collapsible padding, shipbuilding engineering, shock absorber

PURPOSE AND COVERAGE: This booklet is intended for engineering and technical staff engaged in the construction and repair of seagoing and river vessels, and in other fields of technology. It can be used by students of higher technical schools and institutes. Utilization of collapsible padding in shipbuilding and shiprepair plants is discussed, and the selection of materials, their mechanical properties, and the design and construction of collapsible paddings are described in detail. There are 52 references, 51 of which are Soviet.

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UDC: 629.12.002.3

ACC NR: AP6036879

- Ch. 3. Engineering design of collapsible paddings -- 52
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Appendix. Numerical values of H_1 - H_5 functions -- 127

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OTH REF: 001/

Card 2/2

BELEN'KIY, L.M., inzh.

Designing minimum-weight cross-connection systems by limiting loads. Izv. vys. ucheb. zav.; mashinostr. no.2:31-35 '64.

(MIRA 17:5)

1. Kaliningradskiy tekhnicheskoy institut rybnoy promyshlennosti.

BELEN'KIY, L.S., inzh.; TSINNE, R.Ya., inzh.; BEREZYUK, V.I.,
red.

[Regulations for operating and testing protective means
used in electrical systems] Pravila ispol'zovaniia i is-
pytaniia zashchitnykh sredstv, primeniaemykh v elektro-
ustanovkakh. Kiev, Tekhnika, 1965. 55 p.

(MIRA 18:9)

1. Russia (1923- U.S.S.R.) Tekhnicheskoye upravleniye po
ekspluatatsii energosistem. 2. TSekh vysokovol'nogo oboru-
dovaniya Gosudarstvennogo tresta po organizatsii i ratsio-
nalizatsii rayonnykh elektrostantsiy i setey (for Belen'kiy,
TSinne).

BELEN'KIY, L.S., inzhener.

Testing a 35 kv. disconnecting switch for breaking no-load current
of the 1800 kv-a transformer. Elek.sta.27 no.6:60 Je '56.(MIRA 9:9)
(Electric switchgear)

BELEN'KIY, L.S., inzhener.

Factory defects in current transformers. Elek.sta. 28 no.1:89-90

Ja '57.

(MLRA 10:3)

(Electric transformers)

KHAVIN, N.Z., insh.; BELEN'KIY, L.S., insh.; BRONSHTEYN, I.I., red.;
VORONIN, K.P., tekhn.red.

[Safety rules for the operation of electric installations of city
electric power systems] Pravila tekhniki bezopasnosti pri eksplua-
tatsii elektronustanovok gorodskikh elektrosetei. Izd.10, perer. i
dop. Moskva, Gos.energ.izd-vo, 1958. 112 p. (MIRA 12:2)

1. Russia (1923- U.S.S.R.) Laws, statutes, etc.
(Electric engineering--Safety measures)

8(6)

SOV/112-59-5-8849

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 61 (USSR)

AUTHOR: Belen'kiy, L. S., Korobkova, V. P., and Sidlik, L. Z.

TITLE: ~~Determining the Maximum No-Load Current of Transformers and the~~
Charging Current of 110- and 35-kv Lines Cut by Type RLN Disconnects

PERIODICAL: Naladochnyye i eksperim. raboty ORGRES, Nr 15, 1958, pp 156-163

ABSTRACT: To determine the possibility of adopting the substation schemes without circuit-breakers on the high-voltage side, ORGRES jointly with large power systems (Lenenergo, Mosenergo, and others) staged tests intended to determine maximum currents and thereby maximum power of transformers and also maximum length of a transmission line that could be reliably cut off at no-load by a type RLN disconnecting switch. In addition to visual observations, a cinema filming was made which permitted determining the duration of arcing; to determine accurately the moment of arc extinction in relation to the angle of the disconnecting blades, both the current being interrupted and the blade

Card 1/2

SOV/112-59-5-8849

Determining the Maximum No-Load Current of Transformers and the Charging
movement were recorded by an oscillograph. Overvoltages set up by cutting off
no-load lines were not measured. The tests enable one to draw the following
conclusions: The voltage, maximum transformer capacity, and transmission-
line length which could be cut off at no-load can be considerably increased over
those specified by the PTE MES standards. No-load currents as high as 7 amp
for 20-Mva, 38-kv transformers and 10 amp for 31.5-Mva, 110-kv
transformers can be cut off by a RLN disconnect. It is recommended that the
disconnects be operated on or off quickly. Pole separation of the disconnect
should not be less than 2,500 mm for 110 kv and 1,200 mm for 35 kv. To
determine the maximum no-load length of 35- and 110-kv lines that could be
cut off by the disconnect, overvoltages accompanying the line interruption need
to be studied.

I.S.Sh.

Card 2/2

KHAVIN, N.Z., inzh.; BELEN'KIY, L.S., inzh.; BRONSHTEYN, I.I., red.;
BORUNOV, N.I., ~~tekhn.red.~~

[Safety rules for the operation of power plants in urban
networks] Pravila tekhniki bezopasnosti pri ekspluatatsii
elektroustanovok gorodskikh elektroseti. Izd.11, perer. i
dop. Moskva, Gos.energ.izd-vo, 1959. 95 p. (MIRA 12:12)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva elektro-
stantsiy. Tekhnicheskoye upravleniye.
(Electric networks)

BELEN'KIY, L.S., inzh.; KOROBYKOVA, V.P., inzh.

Cutting-off ability of RLND circuit breakers and of OD
type separators for 110 and 35 kilovolts. Elek.sta. 31
no.4:53-59 Ap '60. (MIRA 13:7)
(Electric circuit breakers)

BELEN'KIY, L.S., inzh.; TSINNE, R.Ya., inzh.; CHERNEV, K.K., red.;
SHIROKOVA, M.M., tekhn. red.

[Regulations governing the use and testing of the protection devices of electric power systems]Pravila pol'zovaniia i ispytaniia zashchitnykh sredstv, primeniamykh v elektroustanovkakh. Izd.2., perer. Moskva, Gosenergoizdat, 1962. 54 p.
(MIRA 15:9)

1. Russia (1923- U.S.S.R.)Glavnoye energeticheskoye upravleniye. 2. TSekh vysokovol'tnogo oborudovaniya Gosudarstvennogo tresta po organizatsii i ratsionalizatsii elektrostantsiy (for Belen'kiy, TSinne).

(Electric power distribution--Safety regulations)

BELEN'KIY, L.S., inzh.

Switching capability of OD-220 electric isolators. Elek. sta. 33
no.10:70-72 0 '62. (MIRA 16:1)

(Electric switchgear)

AYZMAN, L.Ya., inzh.; BELEN'KIY, L.S.

Use of a small fork lift truck in the servicing of a substation.
Elek. sta. 34 no.9:85-86 S '63. (MIRA 16:10)

BELEN'KIY, L.S., inzh.

Disconnecting of idle transformers and electric power transmission lines with medium length and power rating using 35 kv. cutouts and disconnecting switches. Energetik 11 no.8:26-28 Ag '63.
(MIRA 16:10)

KHAVIN, N.Z., inzh.; BELEN'KIY, L.S., inzh.; CHERNEV, K.K., red.;
BUL'DYAYEV, N.A., tekhn. red.

[Safety engineering regulations for operating electrical
systems of substations and power plants] Pravila tekhniki
bezopasnosti pri ekspluatatsii elektroustanovok stantsii
i podstantsii. Izd.14., dop. Moskva, Gosenergoizdat,
1963. 111 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy
komitet po energetike i elektrifikatsii.

KHAVIN, N.Z., inzh.; BELENKIY, L.S., inzh.; CHERNEV, K.K., red.

[Safety engineering regulations for operating the electrical systems of municipal power distribution networks] Pravila tekhniki bezopasnosti pri ekspluatatsii elektroustanovok gorodskikh elektrosetei. Izd.13., izmenennoe i dop. Moskva, Izd-vo "Energia," 1964. 101 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Tekhnicheskoye upravleniye po ekspluatatsii energosistem.

BELEN'KIY, L.S., inzh.

Operation of 380/220 volt overhead power transmission lines.
Energetik 13 no.5:19-20 My '65. (MIRA 18:8)

~~BELEN'KIY, Iosif' Yakovlevich~~; REMEZOVICH, Galina Petrovna; SINEL'NIKOVA,
TS.B., redaktor; BALASHOV, V.I., tekhnicheskii redaktor

[Bread and other bakery products] Khleb i khlebye izdelii;
spravochnoe posobie. Moskva, Gos. izd-vo torg.lit-ry, 1957.
118 p. (MLRA 10:7)
(Bread) (Baked products)

AKSENOV, V., kand.tekhn.nauk (Tashkent); BELEN'KIY, M., kand.tekhn.nauk
(Tashkent)

Economic efficiency of using diesel locomotives for switching
operations. Zhel.dor.transp.36 no.5:44-47 My '55.
(MIRA 12:5)

(Diesel locomotives)
(Railroads--Switching)

BELEN'KIY, M., kand. ekon. nauk

Unit cost of suburban and local passenger traffic on motorbuses and
railroads. Avt. transp. 37 no.12:23-25 D '59. (MIRA 13:3)
(Motorbuses--Cost of operation) (Railroads--Cost of operation)

BELEN'KIY, M.

Nitrofurans and their use in medicine; a book review. In Russian.
Vestis Latv ak no.5:203-204 '60. (EEAI 10:7)
(BLUGER, A.F.) (NITROFURAN)

BELEN'KIY, M.A., inzh.; LAYNER, V.I., doktor tekhn.nauk, prof.; PETROVA, O.A.,
kand.tekhn.nauk

Bright nickel plating with equalizing additions. Vest. mash. 41
no.6:37-41 Je '61. (MIRA 14:6)
(Nickel plating)

GOL'DIN, A. (Leningrad); GRINVAL'D, Ye. (Leningrad); BELEN'KIY, M.
(Leningrad)

Method for stabilizing the frequency of electron-tube
oscillators. Radio no. 7:28-29 JI '62. (MIRA 16:6)

(Oscillators, Electron-tube)

S/153/62/005/006/008/015
E021/E306

AUTHORS: Komkov, I.P., Divinskiy, A.F., Petrova, O.A. and
Belen'kiy, M.A.

TITLE: Elimination of pitting in bright nickel-plating
electrolytes

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Khimiya i
khimicheskaya tekhnologiya, v. 5, no. 6, 1962,
951 - 953

TEXT: An attempt was made to eliminate pitting during bright
nickel-plating by additions of surface-active materials to the
electrolyte. Twelve phosphoro-organic compounds were prepared by
the interaction of various alcohols with phosphorous pentoxide.
Similar sulphur-organic compounds were also prepared by the inter-
action of secondary higher aliphatic alcohols with sulfuric acid.
Sodium salts of the compounds were made and tested as additives to
the electrolyte. It was shown that the sodium salts of mono- and
di-heptyl esters of phosphoric acid prevented pitting only in a
short interval of concentration of the order of 0.015 g/l. Pitting
occurred if the concentration was increased. Additions of
Card 1/2

Elimination of pitting

S/153/62/005/006/008/015
E021/E306

secondary alkyl sulfates of sodium prevented the occurrence of pitting. The surface tension of the bright nickel electrolyte, consisting of nickel sulfate 250-300, sodium chloride 10-15, boric acid 35, coumarine 1 and paratoluene sulfamide 2 g/l., was 70 dynes/cm. Addition of 0.1 g/l. sodium alkylsulfates decreased the surface tension to 30 dynes/cm. Addition of sodium alkylsulfates made possible the production of bright nickel coatings not requiring polishing and without pitting. It was recommended that a daily correction to the electrolyte of 0.1 ml./l. anti-pitting agent should be used to maintain stable working of the bath.

ASSOCIATION:

Kafedra organicheskoy khimii, Moskovskiy
tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti i tsentral'nyy nauchno-issle-
dovatel'skiy institut vspomogatel'nykh i
zapasnykh detaley k tekstil'nomu oborudovaniyu
(Department of Organic Chemistry, Moscow Technological
Institute of the Meat and Milk Industry and Central
Scientific Research Institute of Accessories and Spare
Parts for Textile Equipment)

SUBMITTED: July 3, 1961
Card 2/2

BELEN'KIY, M.A.; POLENOV, A.L.

Electron microscope study of pituicytes and their interaction
with neurosecretory elements of the posterior lobe of the
hypophysis in white mice. Tsitologiya 5 no.6:651-653 N-D '63.
(MIRA 17:10)

1. Laboratoriya noveyshikh metodov mikroskopii v biologii
Instituta tsitologii AN SSSR, Leningrad.

POLENOV, A.L.; BELEN'KIY, M.A.

Electron microscopic studies of the ultrastructure of the neurosecretory elements from the posterior lobe of the pituitary body in white mice. Dokl. AN SSSR 154 no.4:940-943 P '64. (MIRA 17:3)

1. Institut tsitologii AN SSSR i Pervyi Leningradskiy meditsinskiy institut im. I.P. Pavlova. Predstavleno akademikom N.N. Anichkovym.

POLENOV, A.L.; BELEN'KIY, M.A.

Electron microscopic study of relations between neurosecretory elements and capillaries in the posterior pituitary lobe of white mice. TSitologiya. 6 no.3:346-348 My-Je '64. (MIRA 18:9)

1. Laboratoriya mikroskopii Instituta tsitologii AN SSSR i Kafedra gistologii i embriologii I Leningradskogo meditsinskogo instituta.

POLENOV, A.I.; EELEN'KIY, M.A.

Electron microscopic analysis of the neurosecretory elements of the
neural pare intermedia of the hypophysis in Black Sea skates. Dokl.
AN SSSR 163 no.3:731-733 J1 '65. (MIRA 18:7)

1. Institut tsitologii AN SSSR i Pervyy Leningradskiy meditsinskiy
institut im. I.P.Pavlova. Submitted October 26, 1964.

HELEN^KIY, M.B.

Method of processing climatological observations on the temperature
in the free atmosphere. Trudy Ukr.NIGMI no.4:52-53 '55.

(MIRA 10:1)

(Atmospheric temperature)

BELEN'KIY, M.B.

Using variational statistics in aeroclimatology. Trudy NIIAK
no.3:70-73 '57. (MIRA 11:10)
(Atmospheric temperature)

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX	
<p><i>ca</i></p> <p>Restoring frog hearts stopped by digitalis. <i>At. J. Pharmacol.</i> <i>Helen'kil. Pharmacol. i. Tokiol.</i> 3, No. 4, 51 (1940). Tincture of oxalate, citrate or tartrate solns., as well as of KCl, NaCl or Ca-free Ringer saline, will restore ac- tion to frog hearts stopped by digitalis. The mechanism of restoration is evidently removal of Ca^{++} ion since the restored heart can be stopped again by $CaCl_2$ soln. Julian F. Smith</p>		<p>114</p>	
<p>ASAC-51A METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>RECORD NUMBER</p>		<p>EXPLANATION</p>	
<p>100000 01</p>		<p>01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>	

BELEN'KIY, M. L.

"Action of Methylene Blue on the Frog Heart," Farmakol. i Toksikol., 5,
No.4, 1942

Chair of Pharmacology, 2nd Medical Inst., Leningrad

BELEN'KIY, M. L.

PA 41-80

USSR/Medicine - Cyanide

Jan/Feb 1948

Medicine - Carotid Body

"Analysis of the Action of Cyanides on the Respiration of Frogs," M. L. Belen'kiy, Chair of Pharmacology, Second Leningrad Med Inst, 6 pp

"Fiziol Zhur SSSR" Vol XXXIV, No 1

Discusses the role of the carotid body in frogs. Author conducted experiments based on data previously obtained by Prof S. V. Anichkov. Observed that the carotid body in frogs do not play any part in maintaining respiration after potassium cyanide had been introduced, and the body does not carry out the same functions as the carotid glands in mammals. Submitted, 18 Jun 1946.

41T86

BELEN'KIY, M. L.

27907. BELEN'KIY, M. L. — K Voprosu Ob Obezvrezhivani Nitroglitserina v organizme. Trudy leningr. San. - G igiyen. Med. in-ta, T. II, 1949, S. 177-82.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

The action of poisons on the thiolic enzyme systems of a cell. M. I. Helen'kit and V. I. Rozengart. *Uspehi Sovetskoi Biol.* (Advances in Modern Biol.) 28, 387-400(1949).--Review, largely covering the action of As derivs. and the counter-action by BAL. G. M. K.

Effect of adenosinetriphosphate acids on chemical sensitivity of the carotid ganglion. M. I. Belen'kii (Sanit. Hyg. Med. Inst., Leningrad). *Doklady Akad. Nauk S.S.S.R.* 76, 305-8 (1961).—The so-called Pasteur poisons, i.e. substances that do not affect O consumption by the cell but disrupt phosphorylation connected with it, are stimulants of the carotid chemoreceptor centers. This suggests the possible mechanism of origin of the excitation within the carotid as being connected with metabolism of high-energy phosphate links. The effect of adenosine triphosphate (ATP) on sensitivity of the carotid centers to KCN, acetylcholine, and lactic acid was studied on cat specimens. ATP was found to stimulate these centers as shown by respiration measurements, the effect becoming apparent not during perfusion with ATP but at the time when the energy balance in the carotid is disturbed by prevalence of decomposition of ATP over its synthesis, indicating that the decomposition of

ATP is the factual stimulating event. Results show that lactic acid as such is not the stimulant of the carotid centers.
G. M. Kosolapoff

DECEMBER, 1951

GERM
USSR:

The question of the mechanism of excitation of the carotid chemoreceptors. M. Beien'hil (Sanit. Hyg. Med. Inst., Leningrad). *Fiziol. Zhur.* 37, 169-74(1951); *Chem. Zentr.* 1952, 247. —The expts. reported were carried out on decerebrated cats by the method of Molisev, Gelfmans, and Anichkov. Perfusion of the isolated carotid sinus with 1:10,000 $\text{CH}_3\text{CO}_2\text{Na}$ (I) soln. caused a loss of sensitivity of the chemoreceptors for CN^- and for lactic acid (II), while the reactivity for acetylcholine (III) remained unchanged. After perfusion of the carotid sinus with a 1:5,000 I soln. or with NaF solns. of concn. 1:50,000 and 1:25,000, the carotid chemoreceptors no longer reacted to CN^- , II, or III. As regards the influence of enzyme poisons on the region of the carotid sinus, the resistance of the chemoreceptors against II is no greater than that against CN^- . It is not to be assumed that the direct excitation of the sinus nerve is brought about by II formed in the tissue. M. G. Moore

[illegible]

BELEN'KIY, M.L.; TOMILINA, T.N.

Effect of adenosintriphosphate on function of the intestinal chemoreceptors. Doklady Akad. nauk SSSR 81 no.5:961-963 11 Dec 51. (CML 21:5)

1. Presented by Academician N.N. Anichkov 21 September 1951.
2. Leningrad Sanitary-Hygienic Medical Institute.

USSR.

✓ Chemical sensitivity of chemoreceptors. M. L. Belenkijs. *Farmakol. Noykh Lekarsennykh Sredstv* (Mediz. Leningrad) 1953, 116-21; *Referat. Zhur., Khim.* 1954, No. 23878. -- A review of the pharmacol. studies of the biochem. processes assoc. with the activity of the chem. receptors of the carotid body (I). Elimination of the biochem. decompn. of the tissue carbohydrates inhibits the reaction of I toward the actions of CN^- , acetylcholine, and decreasing of pH. The hypothesis that this phenomenon is assoc. with an inadequate formation of adenosinetriphosphate (ATP) has been confirmed. By making use of the isolated carotid sinus of a cat it was shown that ATP either has no effect on I or it stimulates I step-by-step; however, after perfusion of ATP the sensitivity of I towards the stimulants increases, thus indicating ATP as the source of energy. It is further proved that a prerequisite for the origination of the sensitivity of I is the neg. balance of ATP. The sensitivity of I can also be induced by those substances disrupting the phosphorylation coupled with the biol. oxidation (azide, nitrite, 2,4-dinitrophenol, methylene blue). It is possible that acetylcholine also stimulates I by shifting its energy balance to the neg. side. It is concluded that the primary function of I is to signal the central nervous system about the neg. shift of the energy balance in a tissue, and that this physiol. reaction initiates the reflex reactions stimulating the formation of high-energy P compounds. R. Wierbicki

Dept. of Pharmacol., Leningrad Med. Hgsum + Medicine

VOLOSKOV, P.A., professor; BELEN'KIY, M.L.; KOZNEV, N.A.

Experience in eliminating sterility in cattle. Veterinariia 32
no.7:24-31 J1 '55. (MLRA 8:9)

1. Vsesoyuznyy institut eksperimental'noy veterinarii (for Voloskov).
 2. Nachal'nik veterinarnogo otdela Smolenskey oblasti (for Belen'kiy).
 3. Direktor NIVOS (for Koznev).
- (STERILITY IN ANIMALS)

BELEN'KIY, M. L.,

Mechanism of Origin of Excitation in Afferent Structures," Med. Rabot.
v. 18, no 51-1379, 21 June ~~1955~~ 1955, p. 2.

BELEN'KIY, M.I.

Quantitative evaluation of the spectrum of therapeutic activity.
Farm.i toks. 22 no.6:566-568 N-D '59. (MIRA 13:5)

1. Kafedra farmakologii (zav. - prof. M.I. Belen'kiy) Rishskogo
meditsinskogo instituta.
(PHARMACOLOGY)

BELEN'KIY, M. I.

ABRAMOVA, Zh.I., kand. med. nauk; ANICHKOV, S.V., prof.; BELEN'KIY, M.I.,
prof.; VAL'DMAN, A.V., doktor med. nauk; VEDENEYEVA, Z.I., kand.
med. nauk; VINOGRADOV, V.M., kand. med. nauk; GERSHANOVICH, M.L.,
kand. med. nauk; GINETSINSKIY, A.G., prof.; GORBOVITSKIY, S.Ye.,
prof.; GREBENKINA, M.A., dotsent; GREKH, I.F., dots.; DENISENKO,
P.P., kand. med. nauk; D'YACHENKO, P.K., kand. med. nauk; ZHESTYANIKOV,
V.D., kand. med. nauk; ZAUGOL'NIKOV, S.D., prof.; ZEYMAL', E.V., kand.
med. nauk; ISKAREV, N.A., kand. med. nauk; KARASIK, V.M., prof.;
KIVMAN, G.Ya., kand. med. nauk; KOZLOV, O.D., kand. med. nauk; KROTOV,
A.I., doktor veter. nauk; KUDRIN, A.N., doktor med. nauk; LAZAREV, N.V.,
prof.; LAPIN, I.P., kand. med. nauk; MEL'NIKOVA, V.F., prof.;
MESHCHERSKAYA, K.A., prof.; MIKHEL'SON, M.Ya., prof.; MOSHKOVSKIY,
Sh.D., prof.; PADEYSKAYA, Ye.N., kand. med. nauk; PARIBOK, V.P., prof.;
PERSHIN, G.N., prof.; PLANEL'YES, Kh.Kh., prof.; PONOMAREV, G.A.,
prof.; POSKALENKO, A.N., kand. med. nauk; MUKHIN, Ye.A., dots.;
ROZOVSKAYA, Ye.S., dots.; RYBOLOVLEV, R.S., starshiy nauchnyy sotr.;
SALYAMON, L.S., kand. med. nauk; SAFRAZBEKYAN, R.R., kand. biol. nauk;
TIUNOV, L.A., kand. med. nauk; TOMILINA, T.N., dots.; FELISTOVICH,
G.I., kand. med. nauk; FRUYENTOV, N.K., kand. med. nauk; KHAUNINA,
R.A., kand. med. nauk; TSYGANOV, S.V., prof.[deceased]; CHERKES, A.I.,
prof.;

(Continued on next card)

Manual on pharmacology (Rukovodstvo po farmakologii. Leningrad,
Medgiz. Vol. 2. 1961. 503 p. (MIRA 15:1)

Corres. Mbr. Acad. Med. Sci. USSR (for Belen'kiy, Ginetzinskiy, Moshkovskiy)

ANICHKOV, Sergey Viktorovich; BELEN'KIY, Maks I'yovich; RYZHENKOV,
V.Ye., red.; VOLKOV, N.V., tekhn. red.

[Pharmacology of the chemoreceptors of the glomus caroticum]
Farmakologiya khimioretseptorov karotidnogo klubochka. Le-
ningrad, Medgiz, 1962. 199 p. (MIRA 15:11)
(CAROTID BODY—INNERVATION) (PHARMACOLOGY)

BELENKIY, M. I.

"Site of Action of Drugs affecting body thermoregulation."

report presented at the Second Intl. Pharmacological Meeting, Prague, Czech.
20-23 Aug 1963.

ANICHKOV, S.V., (Leningrad); BELEN'KIY, M.L., (Leningrad).

Relationship of chemical structure and pharmacological effect of cholin-
olytic agents. Farm. i toks. 16 no.1:5-10 Ja-F '53. (MLRA 6:6)
(CA 47 no.21:11558 '53) (Choline)

BELEN'KIY, M.L.

ANICHKOV, S.V.; BELEN'KIY, M.L.; KOVALENKO, V.N., redaktor; BULEVA, M.S.,
tehnicheskii redaktor.

[Textbook of pharmacology] Uchebnik farmakologii. [Leningrad] Gos.
izd-vo med. lit-ry, Leningradskoe etd-nie, 1954. 451 p. (MLRA 7:10)
(Pharmacology)

BELEN'KIY, M.L.; VITOLINYA, M.A.

~~*****~~

Effect of veratrine on the cholinergic systems. *Biul. eksp. biol.*
1 med. 37 no.5:9-11 My '54. (MLRA 7:7)

1. Iz kafedry farmakologii (zav. prof. M.L.Belen'skiy) Rzhenskogo
meditsinskogo instituta (dir. zaslushenny deyatel' nauki Latvii-
skoy SSR chlen-korrespondent AMN SSSR prof. E.M.Burtniyek)

(VERATRINE, effects,

*on carotid sinus in decerebrated cats)

(CAROTID SINUS, effect of drugs on,

*veratrine, in decerebrated cats)

(BRAIN, physiology,

*decerebration, eff. of veratrine on carotid sinus in
decerebrated cats)

Country : USSR

V

Category: Pharmacology. Toxicology. Ganglionic Blocking Agents.

Abs Jour: RZhBiol., No 6, 1959, No 27761

Author : Belen'kay, M.L.

Inst : -

Title : Selective Blocking Action of Medicinal Substances
on Peripheral Vegetative Synapses.

Orig Pub: V sb.: Gangliolitiki i blokatory nervnomyslenn. sinapsov,
L., 1958, 14-20

Abstract: A survey devoted to the selective blocking action of medicinal substances on peripheral vegetative synapses. The unequal sensitivity is stressed of m-c oline-reactive systems of various tissues to blocking influence of m-cholinolytic agents, which facilitates the

Card : 1/4

Country : USSR

V

Category: Pharmacology. Toxicology. Ganglionic Blocking Agents.

Abs Jour: RZhBiol., No 6, 1959, No 27761

by a central nicotinolytic influence, which is supported by a number of investigations. However, the problem of central action of "ganglionic" blocking substances and of the significance of this action in hypotensive effect is still in need of further study. Bibl. 24 items. - V.S. Shashkov

Card : 4/4

V-23

BELEN'KIY, M.L.; GERMANE, S.K.; AREN, A.K.; VANAG, G.Ya., akademik

A new class of pharmacologically active substances with a well-pronounced effect on the central nervous system. Dokl.AN SSSR 134 no.1:217-220 S '60. (MIRA 13:8)

1. Institut organicheskogo sinteza Akademii nauk LatvSSR.
2. Akademiya nauk LatvSSR (for Vanag).
(INDANDIONE) (PHARMACOLOGY)

BEL'EN'KIY, M.L.; VITOLIN'YA, M.A. [Vitolina, M.]

Effect of phenamine on the adrenal glands. Farm. i toks. 26
no. 62673-674 N-D '63 (MIRA 18:2)

1. Kafedra farmakologii (zav.-chlen-korrespondent AMN SSSR
prof. M.L. Belen'kiy) Rzhskogo meditsinskogo instituta.

BELEN'KIY, Maks L'vovich; VINOGRADOV, V.M., red.; LEBEDEVA, Z.V.,
tekhn. red.

[Elements of quantitative evaluation of the pharmacological
effect] Elementy kolichestvennoi otsenki farmakologicheskogo
effekta. 2. izd., perer. i dop. Leningrad, Medgiz, 1963.
148 p. (MIRA 16:10)

(PHARMACOLOGY)

SUSTERS, Janis; BELEN'KIY, M.L., red.

[Ganglionic blocking agents; bibliographic index of
Soviet and foreign literature, 1945-1961] Gangliobloki-
ruiushchie veshchestva; bibliograficheskii ukazatel'
otchestvennoi i zarubezhnoi literatury, 1945-1961.
Riga, M-vo zdavookhraneniia Latviiskoi SSR, 1963. 359 p.
(MIRA 17:10)

ACCESSION NR: AP4022336

S/0301/64/010/001/0012/0015

AUTHOR: Blyuger, A. F.; Belen'kiy, M. L.; Shuster, Ya. Ya.

TITLE: Mechanism of increasing the activity of certain blood serum enzymes with strong stressors

SOURCE: Voprosy* meditsinskoy khimii, v. 10, no. 1, 1964, 12-15

TOPIC TAGS: increased enzyme activity mechanism, blood serum enzyme, glutamin pyruvic transminase, glutamin oxalacetic acid, aldolase, stressor, tissue enzyme

ABSTRACT: Activity of glutamin pyruvic transminase, glutamin oxalacetic acid, and aldolase was investigated in groups of white rats subjected to the following stressors: hypoxia, asphyxia, hypothermia, inflammation, burn shock, seizures, and septicemia. Blood of animals was centrifuged after completion of experiments and enzyme activity was determined in the serum and liver, heart, and brain tissue homogenates. Findings indicate that the activity of glutamin pyruvic transminase, glutamin oxalacetic acid, and aldolase changes in the blood serum and tissues under the action of strong stressors. Most

Card 1/2

ACCESSION NR: AP4022336

stressors (hypoxia, hypothermia, burn shock, nonspecific inflammation, and septicemia) increase enzyme activity in the blood serum and tissues. Conditions contributing to the development of acidosis (asphyxia by placing animal in a refrigerator) prevent an increase of blood serum enzyme activity. Various organs and tissues regardless of whether they are directly affected by the stressor can be sources of increased enzymes. No constant correlation is found between increased activity of blood serum enzymes and tissue enzymes. Orig. art. has: 1 table.

ASSOCIATION: Kafedra infektsionnykh bolezney i kafedra farmakologii Rzhskogo meditsinskogo instituta (Department of Infectious Diseases and Pharmacology Department of the Riga Medical Institute).

SUBMITTED: 17Sep62

DATE ACQ: 19Feb64

ENCL: 00

SUB CODE: IS

NR REF SOV: 002

OTHER: 003

Card— 2/2

BELEN'KIY, M.L.; VITOLINYA, M.A. [Vitolina, M.]

Effect of reserpine on the reserve of pyrocatecholamines in the
rabbit and cat body. Farm. i toks. 27 no.1:15-16 Ja-F '64.
(MIRA 17:11)

1. Kafedra farmakologii (zav. - chlen-korrespondent AMN SSSR
prof. M.L. Belen'kiy) Rizhskogo meditsinskogo instituta.

L 04766-67

ACC NR: AP6022179

SOURCE CODE: UR/0248/66/000/004/0054/0059

AUTHOR: Belen'kiy, M. L. (Deceased)

ORG: Riga Medical Institute (Rizhskiy meditsinskiy institut)

TITLE: Promising new directions for pharmacological regulation of activity of the cardiovascular system

SOURCE: AMN SSSR. Vestnik, no. 4, 1966, 54-59

TOPIC TAGS: pharmacology, central nervous system, nervous system drug, cardiovascular system disease, enzyme, experiment animal

ABSTRACT: With a view towards blocking the untoward activity of pyrocatechin-O-methyltransferase (POMT), the effect of the alkaloid apomorphine and of synthetic compounds on adrenergic processes was investigated. Tests were conducted in cats, priorily treated with an excess of epinephrine, whose urine was analyzed for 3-methoxy-4-oxymandelic acid. Under the influence of apomorphine, a statistically valid decrease in elimination of this acid was seen. This fact confirms an assumption on the inhibitory effect of apomorphine on POMT activity. Decrease of pyrocatechamine inactivation by the apomorphine effect was also confirmed in cats in whom increased pressor reactions were seen.

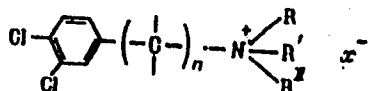
Card 1/3

UDC: 612.18.014.46+615.71

L 04766-67

ACC NR: AP6022179

upon introduction of norepinephrine or epinephrine. Apomorphine also showed presynaptic adrenoblocking action revealed in weakening of the contraction reaction of the nictitating membrane of cats' eyes upon irritation of the neck sympathetic trunk; simultaneously, this reaction was strengthened with epinephrine. At very high doses (30 mg/kg) apomorphine also showed a post-synaptic adrenolytic effect. A series of ternary ammonium pyrocatechinamines was synthesized and did not prove too active. Another series, synthesized at the Riga Institute's Laboratory for Problems of Diketones, had the general formula



where NRR' R'' were trialkylammonium, arylalkyldialkylammonium or alkyl diarylalkylammonium groups. These compounds showed strong adenosensitizing properties and, as quaternary ammoniums, also ganglion-blocking properties, although the latter were weak and short lived. One of the compounds, F-3, showed an adenosensitizing effect independent of ganglion-blocking properties. It strengthened the effect of electric irritation of the adrenergic nerves. Results show that modern concepts on mechanisms of pyrocatechin inactivation in the organism may open new paths for drugs which increase adrenergic

Card 2/3

L 04766-67

ACC NR: AP6022179

reactions and the reactions of the cardiovascular function. "Our collaborator, M. A. Vitolina, studied the compound F-3". Orig. art. has: 5 figures and 6 formulas.

SUB CODE: 06, 07/ SUBM DATE: 04Nov65/ ORIG REF: 001/ OTH REF: 007

kh

Card 3/3

2
4
Vibrating ball mill, M. M. Belen'kiy, U.S.S.R. 105 082
U.S.S.R. 105 082, U.S.S.R. 105 082, U.S.S.R. 105 082
The vibrator is placed inside the mill and the latter is
fastened to its foundation by springs or other elastic means.
- M. M. Belen'kiy -
H
H
H

BELEN'KIY, M.M., inzh.

Stability of the performance of vibratory machines with pneumatic
ball vibrators under resonance conditions. Vest.mashinostr. 43
no.8:11-13 Ag '63. (MIRA 16'9)

(Vibrators)

BELEN'KIY, Mark Naumovich; PESKOVA, L.N.; redakter; KHITROV, P.A., tekhnicheskii redakter.

[Diesel locomotive hauling and its effectiveness] Teplovoznaia tiaga i ee effektivnost'. Moskva, Gos.transp.zhel-dor.isd-vo, 1956. 75 p.
(Locomotives) (MLRA 9:6)

BELEN'KIY, M. N.

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957, 123-1-1028
Nr 1, p. 154 (USSR)

AUTHOR: Belen'kiy, M. N.

TITLE: Experience of Tashkent Railroad in Diesel Traction
(Iz opyta primeneniya teplovoznoy tyagi na Tashkentskoy
zheleznoy doroge)

PERIODICAL: Tr. Tashkentsk. in-ta zh.-d. transp., 1956, vyp. 5,
pp.6-16

ABSTRACT: Comparisons are made of operational indexes of steam and diesel traction, and of the indexes for different types of diesel traction. Considerable reduction of expense was obtained in all kinds of repair of diesels. In comparison with the C steam locomotives the reduction was 50% and in comparison with the ~~4th~~ locomotives - 30%. The expenditures for fueling diesels per unit of work by weight and cost were 4 - 5 times lower than that of steam locomotives. The T₃-2 diesels were found to be more economical than the T₃-1 diesels.

Card 1/1

Sh.A.A.

BELEN'KIY, M. N.

BESKROVNIY, I.G., kandidat tekhnicheskikh nauk; BELEN'KIY, M.N.,
kandidat ekonomicheskikh nauk.

Effectiveness of using diesel locomotive traction on the
railroads of Central Asia and Kazakhstan. Zhel. dor.
transp. 38 no.11:18-22 N '56.

(MLRA 9:12)

(Soviet Central Asia--Diesel locomotives)

BEV'EN'KIY, Mark Naumovich; PESKOVA, L.N., red.; VEBINA, G.P., tekhn. red.

[Economics of diesel locomotive traction] Ekonomika teplovoznoi
tiagi. Moskva, Gos. transp. shel-dor. izd-vo, 1958. 242 p.
(Diesel locomotives--Performance) (MIRA 11:7)

BELEN'KIY, M.N., dots., kand. ekon. nauk

Economy of diesel trains. Vest. TSNII MPS no. 5:29-33 J1 '58.
(MIRA 11:8)

1. Tashkentskiy institut inzhenerov zheleznodorozhnogo transporta.
(Diesel locomotives)
(Railroads--Management)

BELEN'KIY, M.N., dotsent, kand.ekon.nauk

Cost of passenger traffic with motorbuses and railroads in local and suburban service. Trudy MIEI no.16:75-85 '61. (MIRA 14:12)

(Transportation, Automotive—Cost of operation)

~~(Railroads—Passenger Traffic)~~

BELEN'KIY, M.N., kand.ekonomicheskikh nauk

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TSNII MPS 21 no.2:52-56 '62. (MIRA 15:4)

1. Tashkentskiy institut inzhenerov zheleznodorozhnogo
transporta.
(Electric railroads--Commuting traffic)

NAPORKO, A.G., kand.ekonom.nauk; BELEN'KIY, M.N., kand.ekonom.nauk;
CHERNOV, P.N., dotsent; BEL'KOV, S.P., kand.ekonom.nauk;
KOMISSAROVA, N.N., prepodavatel'; FAL'KOVSKAYA, D.L., starshiy
inzh.-ekonomist

Necessary textbook on transportation economics ("Economics of
railroad transportation" by I.V. Belov; N.B. Borovoi; N.G. Vinnichenko;
G.S. Raikher; E.D. Khanukov; and N.F. Khokhlov.
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1. Zaveduyushchiy kafedroy "Ekonomika transporta" Tashkentskogo
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(Railroads) (Belov, I.V.) (Borovoi, N.E.)
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(Khamukov, E.D.) (Khokhlov, N.F.)

RYLEYEV, G.S.; KRYUGER, P.K.; KAZAKOV, V.N.; VIL'KEVICH, B.I. Pri-
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retsenzent; CHEBYKIN, V.N., kand. tekhn. nauk, retsenzent
[deceased]; ONISHCHENKO, I.T., kand. tekhn. nauk,
retsenzent; TELICHKO, V.G., inzh., retsenzent; ISIKOV,
Ye.N., inzh., retsenzent; ROZHDESTVENSKIY, A.S., inzh.,
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