

122-2-1/33

Experience with the Setting-up of Automatic Production Lines

on their discovery. Many errors can be avoided by adequate testing of individual equipment items." (Special machine tools in the ball bearing line were tested during three shifts only.) 15 to 20 shifts are recommended. Servicing routines must be established and written instructions issued. Preventive maintenance must be established. Clear responsibility must be placed on the authority which orders the production line. This alone will ensure the timely training of maintenance staff, with special emphasis on electricians and hydraulics maintenance engineers.
There are 2 figures.

AVAILABLE: Library of Congress
Card 3/3

LOKSHIN, Ya.V., mezhrayonnyy inzh.-lesopatolog

Work practices of the interdistrict forest pathologist. Zashch.
rast. ot vred. i bol. 6 no.5:11-12 My '61. (MIRA 15:6)

1. Bryanskaya lesoshestitnyy rayon.
(Bryansk Province--Forest protection)

LOKSHIN, YA

YU

N/5
745.54
.18

Lakirovaniye i Pechataniye v Zhestyanobanochnom Proizvodstve (Lacquering and Sealing in Tin Can Production, by) Ya. Yu. Lokshin (i Dr.) Moskva, Pishchepromizdat, 1954.

299 p. Illus., Diagr.

"Ispol'zovannaya Literatura": p. 298.

ANDREYEV, A.B.; ANTONOV, A.I.; ARAPOV, P.P.; BAEMASH, A.I.; BEDNYAKOVA,
A.B.; BENIN, G.S.; BERESMEVICH, V.V.; BERNSHTEYN, S.A.; BITYUTSKOV,
V.I.; BLYUMENBERG, V.V.; BONCH-BRUYEVICH, M.D.; BORMOTOV, A.D.;
BULGAKOV, N.I.; VEKSLER, B.A.; GAVRILENKO, I.V.; GENDLER, Ye.S.,
[deceased]; GERLIVANOV, N.A., [deceased]; GIBSHMAN, Ye.Ye.;
GOLDOVSKIY, Ye.M.; GOHBUNOV, P.P.; GORYALNOV, F.A.; GRINBERG, B.G.;
GHYUNER, V.S.; DANOVSIIY, N.F.; DZEVUL'SKIY, V.M., [deceased];
DREMAYLO, P.G.; DYBETS, S.G.; D'YACHENKO, P.F.; DYURNBAUM, N.S.,
[deceased]; YESORCHENKO, B.F. [deceased]; YEL'YASHKEVICH, S.A.;
ZHEREBOV, L.P.; ZAVEL'SKIY, A.S.; ZAVEL'SKIY, F.S.; IVANOVSKIY,
S.R.; ITEIN, I.M.; KAZHDAN, A.Ya.; KAZHINSKIY, B.B.; KAPLINSKIY, S.V.;
KASATKIN, F.S.; KATSAUBOV, I.N.; KITAYGORODSKIY, I.I.; KOLESNIKOV,
I.F.; KOLOSOV, V.A.; KOMAROV, N.S.; KOTOV, B.I.; LINDE, V.V.;
LEBEDEV, H.V.; LEVITSKIY, N.I.; LOKSHIN, Ya.Yu; LUTTSAU, V.K.;
MANNERBERGER, A.A.; MIKHAYLOV, V.A.; MIKHAYLOV, N.M.; MURAV'YEV, I.M.;
MYDEL'MAN, G.E.; PAVLYSHKOV, L.S.; POLUYANOV, V.A.; POLYAKOV, Ye.S.;
POPOV, V.V.; POPOV, N.I.; RAKHLIN, I.Ye., BZHEVSKIY, V.V.; ROZENBERG,
G.V.; ROZENTRETER, B.A.; BOKOTYAN, Ye.S.; RUKAVISHNIKOV, V.I.;
RUTOVSKIY, B.N. [deceased]; RYVKIN, P.M.; SMIRNOV, A.P.; STEPANOV, G.Yu,
STEPANOV, Yu.A.; TARASOV, L.Ya.; TOKAREV, L.I.; USPASSKIY, P.P.;
FEDOROV, A.V.; FERRE, N.F.; FRENKEL', N.Z.; KHEYFETS, S.Ye.; KHLOPIN,
M.I.; KHODOT, V.V.; SHAMSHUR, V.I.; SHAPIRO, A.Ye.; SHATSOV, N.I.;
SHISHKINA, N.N.; SHOR, E.R.; SHPICHENETSKIY, Ye.S.; SHPRINK, B.M.;
SHTERLING, S.Z.; SHUTYY, L.R.; SHUKHGAL'TER, L. Ya.; ERVAYS, A.V.;

(Continued on next card)

ANDREYEV, A.B. (continued) Card 2.

YAKOVLEV, A.V.; ANDREYEV, Ye.S., retsensent, redaktor; BERKEM-
GEYM, B.M., retsensent, redaktor; BERMAN, L.D., retsensent, redaktor;
BOLTINSKIY, V.N., retsensent, redaktor; BONCH-BRUYEVICH, V.L.,
retsensent, redaktor; VELLER, M.A., retsensent, redaktor; VINOGRADOV,
A.V., retsensent, redaktor; GUDTSOV, N.T., retsensent, redaktor;
DEGTYAREV, I.L., retsensent, redaktor; DEM'YANYUK, F.S., retsensent;
redaktor; DOBROSmyslov, I.N., retsensent, redaktor; YELANCHIK, G.M.
retsensent, redaktor; ZHEMOCHKIN, D.N., retsensent, redaktor;
SHURAVCHENKO, A.N., retsensent, redaktor; ZLODEYEV, G.A., retsensent,
redaktor; KAPLUNOV, R.P., retsensent, redaktor; KUSAKOV, M.M.,
retsensent, redaktor; LEVINSON, L.Ye., [deceased] retsensent, redaktor;
MAJLOV, N.N., retsensent, redaktor; MARKUS, V.A. retsensent, redaktor;
METELITSYN, I.I., retsensent, redaktor; MIKHAYLOV, S.M., retsensent;
redaktor; OLIVETSKIY, B.A., retsensent, redaktor; PAVLOV, B.A.,
retsensent, redaktor; PANYUKOV, M.P., retsensent, redaktor; PLAKSIN,
I.N., retsensent, redaktor; RAKOV, K.A. retsensent, redaktor;
RZHAVINSKIY, V.V., retsensent, redaktor; RINBERG, A.M., retsensent;
redaktor; ROGOVIN, N. Ye., retsensent, redaktor; RUDENKO, K.G.,
retsensent, redaktor; RUTOVSKIY, B.N., [deceased] retsensent,
redaktor; HYZHOV, P.A., retsensent, redaktor; SANDOMIRSKIY, V.B.,
retsensent, redaktor; SKRAMTAYEV, B.G., retsensent, redaktor;
SOKOV, V.S., retsensent, redaktor; SOKOLOV, N.S., retsensent,
redaktor; SPIVAKOVSKIY, A.O., retsensent, redaktor; STRAMENTOV, A.Ye.,
retsensent, redaktor; STRELETSKIY, N.S., retsensent, redaktor;
(Continued on next card)

ANDREYEV, A.V., (continued) Card 3.

TRET'YAKOV, A.P., retsenzent, redaktor; FAYERMAN, Ye.M., retsenzent, redaktor; KHACHATYROV, T.S., retsenzent, redaktor; CHERNOV, H.V., retsenzent, redaktor; SHERGIN, A.P., retsenzent, redaktor; SHESTOPAL, V.M., retsenzent, redaktor; SHESHKO, Ye.F., retsenzent, redaktor; SHCHAPOV, N.M., retsenzent, redaktor; YAKOBSON, M.O., retsenzent, redaktor; STEPANOV, Yu.A., Professor, redaktor; DEM'YANYUK, F.S., professor, redaktor; ZNAMENSKIY, A.A., inzhener, redaktor; PLAKSIN, I.N., redaktor; RUTOVSKIY, B.N. [deceased] doktor khimicheskikh nauk, professor, redaktor; SHUKHGAL'TER, L. Ya, kandidat tekhnicheskikh nauk, dotsent, redaktor; BRESTINA, B.S., redaktor; ZNAMENSKIY, A.A., redaktor.

(Continued on next card)

ANDREYEV, A.V. (continued) Card 4.

[Concise polytechnical dictionary] Kratkii politekhnicheskii slovar'. Redaktsionnyi sovet; IU.A.Stepanov i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 1136 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR (for Plaksin)
(Technology--Dictionaries)

RYBIN, N.S.; LOKSHIN, Ya.Yu.; SABUROV, N.V., prof., spetsred.; RYZHOVA,
M.S., red.; GOTLIB, E.M., tekhn.red.

[Equipment for producing dried fruits] Oborudovanie dlia
proizvodstva sushenykh fruktov. Moskva, Pishchepromizdat,
1957. 59 p. (Obmen peredovym tekhnicheskim opytom). (MIRA 11:12)
(Fruit--Drying) (Drying apparatus)

LOKSHIN, Ya.Yu.; GIUZ, D.S.

Use of alkali electrolytes for washing reusable glass containers.
Kons. i oy. prem. 12 no.4:28-30 Ap '57. (MLRA 10:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i oveshch-
esushil'ney promyshlennosti. (Bottle washing)
(Electrolytes)

LOKSHIN, Ya.Yu.

New types of containers and packaging. Kons. i ov.prom. 12 no.7:
25-28 J1 '57. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i
ovoshchesushil'noy promyshlennosti.
(Containers)
(Canning industry--Equipment and supplies)

SOV/137-58-12-24424

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 68 (USSR)

AUTHORS: Lokshin, Ya. Yu., Gluz, D. S., Malyarchuk, Yu. T.

TITLE: Using Thin Cold-rolled Hot-plated Tinplate in the Cannery Industry
(Primeneniye tonkoy kholodnokatanoy zhesti goryachego luzheniya v konservnoy promyshlennosti)

PERIODICAL: Konservn. i ovoshchesush. prom-st', 1958, Nr 5, pp 19-21

ABSTRACT: The results of industrial tests of 0.18-0.20 m cold-rolled tinplate in making cans and in stamping SKO covers for sealing glass containers are set forth. These tests demonstrate the possibility of utilizing thin cold-rolled plate for making cans of up to 0.5 liter capacity for meat, dairy, vegetable, and fish preserves, as well as the possibility of using SKO-83 covers of more pronounced corrugation for sealing glass containers. The use of thin tinplate in the cannery industry would permit a saving of 20 or 25% in metal.

M. Z.

Card 1/1

LOKSHIN, Ya.Yu.

Ways of opening cans (from "Neue Verpackung," no.10, 1957).
Kons. i ov. prom. 13 no.9:44-45 S '58. (MIRA 11:10)
(Containers)

LOKSHIN, Ya.Yu.

Chemical protection of the surface of iron and nonferrous metals
(from "Blech," No.4, 1958). Koms. i sv. prom. 13 no.12:39 D '58.
(MIRA 11:12)

(Tin cans) (Protective coatings)

PROCESSES AND PROPERTIES INDEX

11E

CV

Carbohydrate and mineral metabolism in the brain in various conditions of the vegetative nervous system. E. S. Lokshina. *Trudy Nauch.-Issledovatel. Inst. Fiziol.* 3, 124-48(1938); *Chem. Zentr.* 1939, II, 3447.—After a definite relation between the brain metabolism and the vegetative nervous system had been established, expts. were carried out in which dogs were injected with sympathicotrophic and parasympathicotrophic preps. (insulin, thyridin). This treatment produced an increase in the carbohydrate metabolism, retention of K, and increased excretion of Ca or an antagonistic effect. A relation between the effect of 24 hrs. without sleep and the effect of parasympathicotrophic substances on the metabolism could be demonstrated. M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECTION	SECTION	SECTION	SECTION
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9	10	11	12
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RECEIVED AND PROPERTY INDEX

10

The relation between the hemato-encephalic barrier and the psychic condition. E. S. Iokshina. *Trudy Vuzch. Iskolovatel. Inst. Psichol.* 3, 149 (1959); *Chem. Zentr.* 1959, II, 3133. — The cerebrospinal fluid of patients with various mental diseases was examined. A relationship could be established between the sugar values in the fluid and the K. Ca coeffs. of conditions of depression and other psychoses. M. G. Moore

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ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

PRECEDENCE AND PRIORITY INDEX

ca

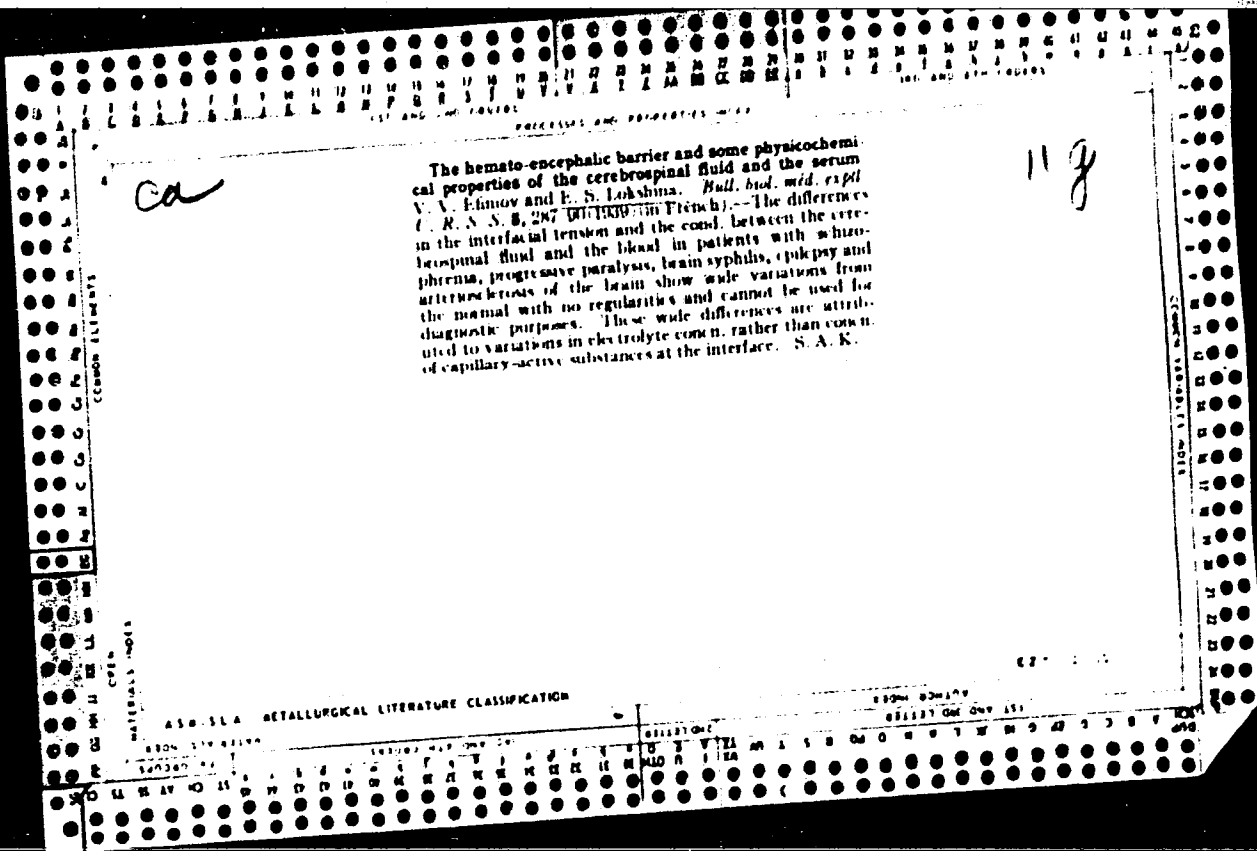
119

The influence of the vegetative nervous system on the condition of the hemato-encephalic barrier in cases of sleeplessness. N. S. Voskresenski and B. S. Lukshina. *Izvy. Nauch.-Issledovatel. Inst. Fitol.* 3, 104-11 (1936); *Chem. Zentr.* 1939, II, 3441. -- Injection of insulin and lack of sleep for 24 hrs. had analogous effects on the contents of the blood and of the cerebrospinal fluid in sugar, K, mag. P and Ca, the changes being in the direction of a slight displacement of the hemato-encephalic barrier. M. G. Moore

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

CLASSIFICATION

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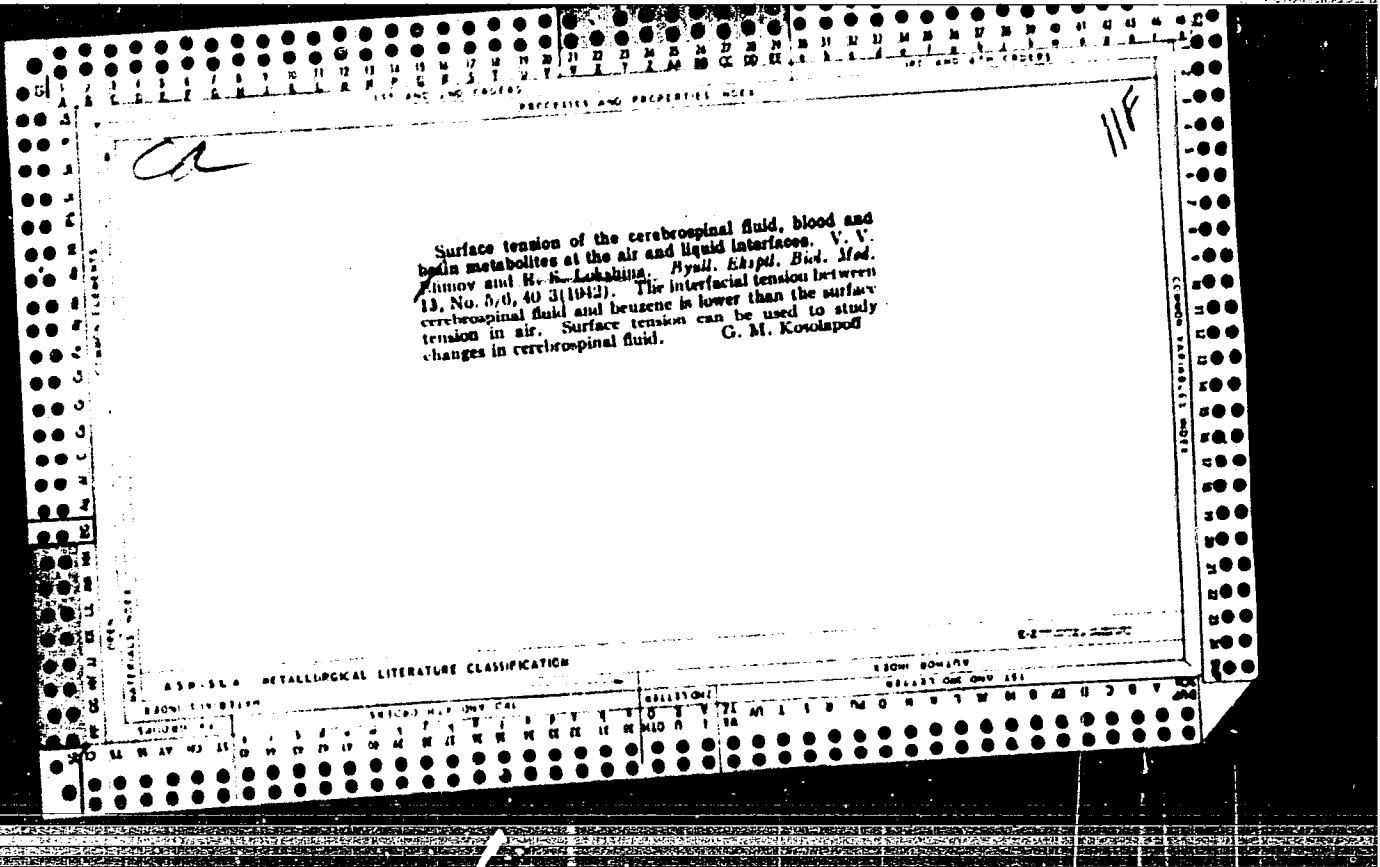
CA

Influence of the vegetative nervous system on the bio logical properties of the brain metabolites. E. S. Lok shina. *Bull. Acad. Sci. USSR Div. Biol. Sci.* 9, 2324 (1940) (French); *C. C. A.* 34, 2419. The tonus of the para-sympathetic nervous system of dogs was elevated by injection of insulin (I) and atropine (II). The bio logical properties of the blood and cerebrospinal fluid were evaluated by means of isolated frog hearts. The injection of 0.25-1 unit/kg. body wt. of I into the general circulation was followed by removal of blood and cerebrospinal fluid in 1, 1.5 and 2 hrs. In 31 out of 40 cases the cerebrospinal fluid and blood removed from the brain caused a decrease in the activity and an acceleration of the circulation of the isolated hearts. The concn. of sugar and K^+ decreased and that of Ca^{++} increased slightly in the blood and fluid in all cases. The injection of a total of 0.03-0.05 mg./kg. of II in 2-3 injections gave similar results in 24 out of 25 cases. Exclusion of the parasympathetic nervous system by means of a drop of 1 (1000) 1 (1000) atropine, followed by injection of II, causes a disappearance of the neg. inotropic effect, and exclusion of the sympathetic nervous system by means of 1:20000 ergotamine, followed by injection of adrenaline (III) causes the disappearance of the pos. inotropic effect previously obtained, and in some cases leads to a neg. inotropic effect. This bio logical activity is a result of more than one substance, the parasympathetic substances prevailing and masking the sympathetic substances, which appear when the vagus is excluded by means of atropine. Boiling of the serum or cerebrospinal fluid under reflux for 5-10 min. reinforces the

neg. inotropic effect, particularly in the case of the fluid. The fact that prolonged boiling in part destroys the parasympathetic substances gives rise to a pos. inotropic effect which does not disappear on exclusion of the sympathetic nervous system. Ultratration destroys the pos. inotropic effect. The fact that the dry residue is only slightly active indicates that the mineral constituents are not responsible for the activity. Since the substances have no effect on the dorsal muscle of the leech, they are not identical with acetylcholine. The tonus of the sympathetic nervous system of dogs was elevated by the use of thyroxin (IV), thyroxine (V) and III. The injection of 0.025 cc./kg. body wt. of IV into the general circulation of dogs caused little effect. Doses of 0.5-1 cc./kg. were followed by removal of blood and cerebrospinal fluid in 4.5 and 24 hrs. Both stimulated the activity and reduced the circulation of isolated frog hearts. The concn. of sugar and Ca^{++} increased in the cerebrospinal fluid, while K^+ decreased in the effluent blood from the brain. Similar results were obtained with 0.03-1 mg./kg. of V, although 0.001-0.1 mg./kg. caused a weakening of heart activity, with the metabolites of the thyroid glands, and with a total of 0.02-0.03 mg./kg. of III, given in 3 doses. Alternate exclusion of the parasympathetic and sympathetic nervous systems gave similar results as before, except that now the sympathetic substances mask the activity of the parasympathetic substances. After boiling for 5-10 min. the cerebrospinal fluid gave a neg. inotropic effect, while the blood serum gave first a neg. and finally a pos. inotropic effect. In this case also the dry substance of the serum and cerebrospinal fluid was only slightly active.

11F

ASB-VL-8 METALLOGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

118

ca

Interdependence of biological and physicochemical properties of the cerebrospinal fluid and man's emotional state. E. S. Lokshina and V. V. Efimov. *Byull. Eksp. Biol. Med.* 16, No. 1; 11-15(1942).—There exists a close relationship between the functional condition of the central nervous system and the comp. and properties of the cerebrospinal fluid. In many cases of severe depression there are observed in the fluid: lowering of surface tension, changes in biol. activity of a parasympathomimetic character. The opposite mental state is accompanied by predominance of biol. activity of sympathomimetic character. G. M. Kosolapoff

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

ECONI POWER

ECONI POWER

ca

11F

Rhythm of sleep and vigilance in animals and man. I. Changes of sleep and vigilance rhythm, of biological and physicochemical properties of the blood and the spinal fluid in normal animals under the influence of light and ultra-high-frequency radiations. V. V. Efimov, E. S. Lokshina, and L. B. Utevakaya (Physiol. Inst., Moscow). *Byull. Eksp. Biol. Med.* 14, No. 8, 64-66(1942).—Light and ultra-high-frequency radiations act in an opposite manner on the sleep-vigilance rhythm. Light, by increasing the vigilance period, increases the sympathicomimetic effect and raises the surface tension and electrocond. of blood and spinal fluid. Ultra-radiation, on the other hand, increases the sleep cycle and thus increases the parasympathicomimetic effect and lowers the fluid surface tension. Ultra-frequency used had the wave length of 8 meters. II. Changes of sleep and vigilance rhythm, of biological and physicochemical properties of the blood and spinal fluid of hypophysectomized dogs under the effect of light and ultra-high frequency radiation. *Ibid.* 61-4.—The surface tension of hypophysectomized dogs' spinal fluid is 1-3 dynes/cm. lower than that of normal dogs; light does not tend to raise this value as is the case in normal animals. The effect of high-frequency radiation (8 meter wave length) is either absent or is very slight, while in normal animals a significant drop of surface tension is observed. G. M. Kozlapoff

ASB-SLA METALLOGICAL LITERATURE CLASSIFICATION

LOKSHINA, E. S.

"Brain Function and the Internal Medium in Cases of Closed Traumas."
Sub 10 Nov 47, First Moscow Order of Lenin Medical Inst

Dissertations presented for degrees in science and engineering in
Moscow in 1947 (*Dr. Med. Sci*)

SO: Sun No. 457, 18 Apr. 55

LOKSHINA, E.S. (Moskva)

Neurohumoral changes in brain concussion. Vrach.delo no.12:1289-1291
D '57. (MIRA 11:2)

1. Nauchno-issledovatel'skiy institut imeni Sklifosovskogo
(BRAIN--CONCUSSION)
(NERVOUS SYSTEM, AUTONOMIC--DISEASES)

LOKSHINA, E.S.

Relation between conditioned reflex activity and electrophysiological data in commotio cerebri [with summary in French]. Zhur.nevr. i psikh. 57 no.12:1449-1456 '57. (MIRA 11:2)

1. Patofiziologicheskaya laboratoriya (zav. - dotsent E.S.Lokshina) Nauchno-issledovatel'skogo instituta imeni Sklifosovskogo, Moskva.

(BRAIN, wounds and injuries,

concussion, EEG & conditioned reflex activity in (Rus))

(ELECTROENCEPHALOGRAPHY, in var. dis.

brain concussion, relation to conditioned reflex activity (Rus))

(REFLEX, CONDITIONED, in var. dis.

brain concussion, relation to EEG (Rus))

LOKSHINA, E.S., Doc Med Sci -- (diss) "Cortical and subcortical
interrelations in brain concussion." Mos, 1958, 19 pp
(Gor'kiy Med Inst im S.M. Kirov) 100 copies (KL, 28-58, 109)

- 69 -

LOKSHINA, E.S.; ZHOGOLEVA, V.K.

Some physiological data in transcerebral galvanization with a cathode current in disorders of cerebral blood circulation. Trudy Inst. im. N.V. Sklif. 5 no.2:161-167 '62.

Use of transcerebral galvanization with an anode current in disorders of cerebral circulation. Ibid. 118:173

(MIRA 18:6)

ZAYKO, N.S.; LOKSHINA, E.S.

Reflex reactions of the gustatory receptors of the tongue in direct excitation of the gastric receptors. Biul. eksp. biol. i med. 53 no.1:12-14 Ja '62. (MIRA 15:3)

1. Iz laboratorii fiziologii i patologii organov chuvstv (zav. - prof. P.G. Snyakin) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR i laboratorii patofiziologii (zav. - doktor meditsinskikh nauk E.S. Lokshina) Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V. Sklifosovskogo (dir. - zasluzhennyy vrach USSR M.M. Tarasov). Predstavlena deystvitel'nyy chlenom AMN SSSR V.V. Parinym.

(STOMACH--INNERVATION)

(TASTE)

LOKSEVA, D. A. doktor med. nauk

Pathogenetic characteristics of contusions of the brain. Trudy
Inst. im. N.V. Sklif. 8:58-68 '63. (MIRA 18:6)

1. Institut skoroy pomoshchi imeni Sklifosovskogo, Moskva.

ARAPOV, D.A., prof.; LOKSHINA, E.S., doktor med.nauk

Corticovisceral correlations in the acute period of gastric
ulcer in elderly persons. Trudy Inst. im. N.V. Sklif. 18:151-
160 '63.

(MIRA 18:6)

1. Chlen-korrespondent AMN SSSR (for Arapov).

LOKSHINA, E.S.

Functional state of the cortical analysors in hypertension.
Trudy Inst. im. N.V. Sklif. 5 no.2:55-68 '62. (MIPA 18:6)

LOKSHINA, F. A.

PA 75T47

USSR/Medicine - Blood Pressure, High May 1948
Medicine - Blood Pressure, Effect
of Drugs on

"Treatment of Hypertonic Diseases With Sulfocyanate,"
F. A. Lokshina, Therapeutic Clinic of Med Faculty,
Second Moscow Med Inst imeni I. V. Stalin, 5 pp

"Klinicheskaya Meditsina" Vol XXVI, No 5

Data from observations indicate that sulfocyanate com-
pounds are definitely an effective therapeutic agent
for hypertonic diseases.

75T47

LOKSHINA, F.I. (Chelyabinsk, ul. Svobody, 139, kv. 32)

Cytological diagnosis of metastatic adenoma of the thyroid gland.
Vest. khir. 92 no.6:116-119 Je '64. (MIRA 18:5)

1. Iz Chelyabinskogo gorodskogo onkologicheskogo dispansera (glavnyy vrach - P.V. Pol').

ALEYNIKOVA, M.M.; LOKSHINA, I.Ye.

Ecology of Diplopoda in the Tatar A.S.S.R. Zool. zhur. 41 no.3:
372-377 Mr '62. (MIRA 15:3)

1. Biological Institute of the Kazakh Branch of the Academy of
Sciences of the U.S.S.R., and State Pedagogical Institute of
Moscow.

(Tatar A.S.S.R.--Diploda)

LOKSHINA, I.Ye.

Polydesmoidea (Diplopoda) of the forest zone of European Russia,
Zool. zhur. 41 no.3:456-459 Mr '62. (MIRA 15:3)

1. Department of Zoology and Darwinism, State V.I.Lening Pedagogical
Institute of Moscow.

(Diplopoda)

KRYLOV, I.P.; LOKSHINA, I.V., inzh.

Modernisation of silk throwing machines. Tekst.prom. 19
no.2:77 P '59. (MIRA 12:5)

1. Glavnyy mekhanik Ust'inskoy shelkokrutil'noy fabriki (for
Krylov)

(Spinning machinery)

LOKSHINA, I.Ye.

Diplopod fauna of Moscow Province. Zool. zhur. 39 no.11:1737-1738
N '60. (MIRA 14:1)

1. Zoological Museum, Moscow State University.
(Moscow Province--Diplopoda)

LOKSHINA, K.A.; SMOL'YANINOVA, N.S.

Cancer of the small intestine; a case from clinical practice.
Sov.med. 26 no.1:113-115 Ja '63. (MIRA 16:4)

1. Iz rentgenologicheskogo otdeleniya (zav. - prof. P.N.Mazayev)
Instituta khirurgii imeni A.V.Vishnevskogo (dir. - deystvitel'nyy
chlen AMN SSSR prof. A.A.Vishnevskiy) AMN SSSR.
(INTESTINES-CANCER)

VISHNEVSKIY, A.A., prof.; GALANKIN, N.K., doktor med. nauk; ARAPCV, A.D.;
AKHMETOV, A.M.; VINITSKAYA, R.S., kand. biol. nauk; VOLYNSKIY,
Yu.D.; DARBINYAN, T.M., kand. med. nauk; DONETSKIY, D.A., kand.
med. nauk; KLEMENOVA, Ye.S.; KUDRYAVTSEVA, A.M., kand. med. nauk;
KRYMSKIY, L.D., kand. med. nauk; LOKSHINA, K.A.; MAZAYEV, P.N., prof.; PANOVA,
Yu.M.; PROMTOVA, T.N., kand. biol. nauk; PYL'TSOV, I.M.; SERGEYEVA,
K.A., kand. med. nauk; KHARNAS, S.Sh., kand. med. nauk; KHRUSHCHEVA,
kand. med. nauk; TSUKERMAN, B.M., kand. biol. nauk; SHIK, L.L.,
prof.; GOL'DGAMMER, K.K., red.; BALDINA, N.F., tekhn. red.

[Congenital defects of the heart and large vessels] Vrozhdennyye po-
roki serdtsa i krupnykh sosudov; rukovodstvo dlia vrachei. Mo-
skva, Medgiz, 1962. 577 p.
(MIRA 16:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Vishnevskiy).

(CARDIOVASCULAR SYSTEM--DISEASES)

SMOL'YANINOVA, N.S.; LOKSHINA, K.A.

X-ray observations of the motor evacuatory function of the stomach following reconstructive plastic operations. Klin.khir. no.8:16-18 J1 '62. (MIRA 15:11)

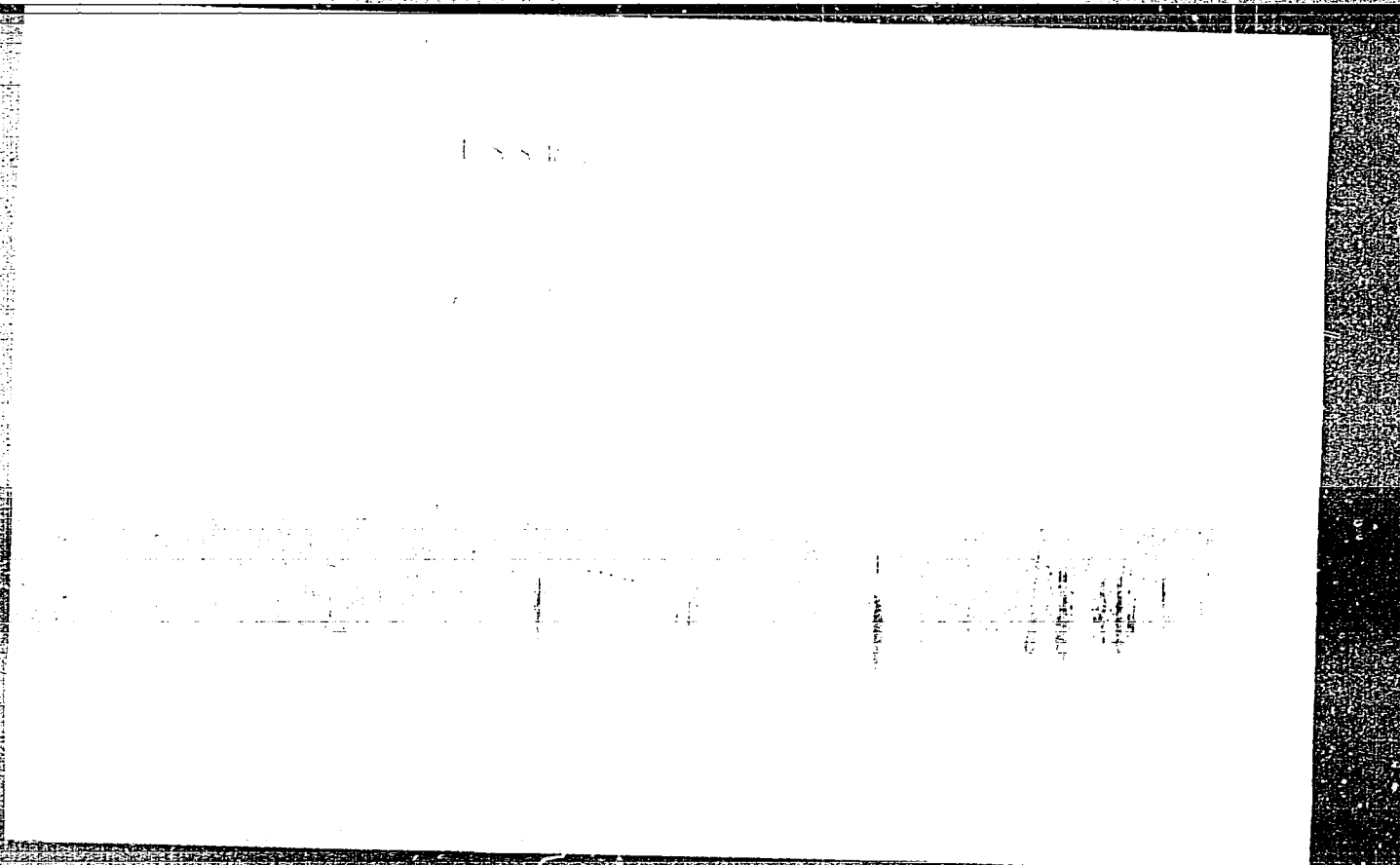
1. Rentgenologicheskoye otdeleniye (zav. - prof. P.N.Mazayev) i tret'ye khirurgicheskoy otdeleniye (za. - prof. G.D.Vilyavin) Instituta khirurgii imeni A.V.Vishnevskogo AMN SSSR. (STOMACH--MOTILITY)

LOKSHINA, L. A.

"The Specificity of Action of the Proteinase of the
Gastrointestinal Tract." Cand Biol Sci, Acad Med Sci USSR,
14 Dec 54. (VM, 25 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55



Levkina, L. H.

The action of trypsin and chymotrypsin on sturin. L. A. Levkina (Inst. Biol. and Med. Chem., Acad. Med. Sci. U.S.S.R., Moscow). *Biokhimiya* 20, 339-45(1965).—The products of sturin hydrolyzed by trypsin and chymotrypsin were subjected to paper chromatographic analysis. The compn. of the low-mol. wt. products of sturin proteolysis varies, pointing to a gradual step-by-step breakdown of sturin into peptides. The presence of free amino acids has not been demonstrated. R. S. Levine

L. M. SHINA, L.A.

БИОХИМИЯ *Vol. 2 No. 11/7*

2884. PEPSINOGEN ACTIVATION (abstract text) - Lokshina, L. A., 1957
Orekhovich, V. N. *In: J. of Biol. and Med. Chem., Acad. of Med. Sci. of USSR, Moscow - BIOKHIMIYA 1957, 22/3 (733-761) Table 1*

In the course of activation of dinitrophenyl (DNP) pepsin, the amount of N-terminal DNP-leucine in the protein undergoes a decrease. This suggests that the peptide or peptides forming in the course of activation are split off from the N-terminal region of the zymogen molecule. Upon additional dinitrophenylation of the protein of the activation mixture the amount of N-terminal DNP-leucine rises as compared with the non-treated protein. Thus, the N-terminal pepsin residue leucine is liberated in the course of activation as a result of hydrolysis of the peptide bond formed by the NH₂ group of this amino-acid.

LOKSHINA, L.A.

Conference on the protein problem. Vest. AMN SSSR 13 no.5:73-76'58

(MIRA 11:6)

(PROTEINS)

AUTHORS: Lokshina, L.A. , Orekhovich, V. N., 20-118-6-28/43
Member of Academy of Medical Sciences of the USSR

TITLE: Investigation of the N-Terminal Peptide Liberated During
the Activation of Pepsinogen (Izucheniye N-kontsevogo peptida,
osvobozhdayushchegosya v protsesse aktivatsii pepsinogena)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 6,
pp. 1150-1152 (USSR)

ABSTRACT: As is known, several peptides of a total molecular-weight of
approximately 8000, are cracked during the conversion of
pepsinogen into pepsin (references 1,2). It was proved that
this cracking takes place sometimes during the activation
of the N-terminal end of the zymogen-molecule; besides the
free peptides, also the cracking of the dinitro-phenol-
peptides (DNPh) was observed (reference 3). Data on the
structure of this peptide are communicated in the present
report. DNPh-pepsinogen was obtained from a combination of
pepsinogen with 2, 4 dinitro-1-fluorobenzene (DNFB) in a
phosphate buffer (pH 7,0) in the course of 20 hours, at room-
temperature. The preparation was dialyzed throughout 42 hours

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Investigation of the N-Terminal Peptide Liberated During the Activation of Pepsinogen 20-118-6-28/43

and subsequently dried from the frozen state. The method of activation is described. A centrifugate of trichloroacetic acid has a faint yellow coloring and contains chiefly free peptides. The alcohol-fraction was, as a rule, intensely colored and contained apparently the N-terminal DNPh-peptide. This fraction was investigated by means of paper-chromatography. It was found out that the alcohol-fraction on uni-dimensional and twodimensional chromatograms in various solvents yields only a single intensely yellow colored spot which is apparently the spot of the N-terminal peptide. Further peptides contained herein, yield still 2 faint yellow spots. The presumable N-terminal peptide was washed out from the paper by means of alcohol and ammonia and investigated on the paper by means of electrophoresis and chromatography. With the electrophoresis in a buffer with 60% alcohol it was found that DNPh moves as a single colored stripe. This proves the homogeneity of the peptide. The peptide was hydrolyzed throughout 24 hours by means of $\sim 6n$ HCl at 110° C, to prove that the isolated substance is the N-terminal peptide of pepsinogen. The liberated DNPh-amino-acid was extracted from the hydrolysate by means of ether

Card 2/4

Investigation of the N-Terminal Peptide Liberated During 20 -118-6-28/43
the Activation of Pepsinogen

and subsequently chromatographically investigated. The only observed yellow spot corresponded- according to its position - to the leucine. Since leucine is the N-terminal aminoacid of the pepsinogen, the peptide is also the N-terminal of the pepsinogen. Further the number of the aminoacids of the peptides was investigated (according to reference 4). 16 aminoacid residues were found: 1 alanine-, glycine-, serine-and phenyl-alanine each; 2 valine-, 4 leucine+ isoleucine-and 4 aspartic acid+ glutamic acid residues. This composition was observed in several tests. The cracking of the respective peptide cannot be, therefore, a random result of proteolysis. The spatial sequence of the aminoacid residues was investigated subsequently. It was found that carboxypeptidiasis cracks at first leucine from the peptide and subsequently alanine. Further aminoacid is presumably proline or lysine: The N-terminal sequence of the peptide was investigated by means of the phenyl-isothiocyanate - method. Since it is difficult and complicated in this case, the sequence of the aminoacid residues was investigated with

Card 3/4

Investigation of the N-Terminal Peptide Liberated During the Activation of Pepsinogen 20-118-6-28/43

pepsinogen. The method is described. It was found that the N-terminal aminoacid is leucine, followed by valine. The 3rd aminoacid is apparently again leucine. Thus the N-terminal sequence of pepsinogen and consequently also of the pepside, is: leucyl - valyl - leucyl - ... The elaborate investigations are continued. There are 6 references, 2 of which are Slavic.

ASSOCIATION: Institute for Biological and Medical Chemistry of the Academy of Medical Sciences, USSR (Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR)

SUBMITTED: November 4, 1957

Card 4/4

LOKSHINA, L.A.; OREKHOVICH, V.N.

Studying the sequence of amino acid residues in the N-terminal section of pepsinogen. Dokl.AN SSSR 133 no.2:472-475
Jl '60. (MIRA 13:7)

1. Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR. 2. Deystvitel'nyy otdel AN SSSR (for Orekhovich).
(PEPSINOGEN) (AMINO ACIDS)

LOKSHINA, L. A., SKLOBOVSKAYA, M. V., SOLONVYEVA, N. I., SHPIKITER, V. O.,
OREKHOVICH, V. N., AND GINODMAN, L. M. (USSR)

"Some Observations on the Structure and Mechanism of Action
of Proteinases."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 August 1961

LOKSHINA, L. A., MALAKHOVA, YE. A., OREKHOVICH, V. N., LINDAKOVA, V. N., FILCOVICHAYA,
M. V., (USSR)

ON the Activation of Pepsinogen.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961

LOKSHINA, L.A.; OREKHOVICH, V.N.; SKLOBOVSKAYA, M.V.

Effect of many organic solvents on biological and
physicochemical properties of pepsin and pepsinogen.
Vysokom.soed. 3 no.10:1474-1481 0 '61. (MIRA 14:9)

1. Institut biologicheskoy i meditsinskoy khimii.
(Pepsin) (Pepsinogen) (Solvents)

LOKSHINA, L.A.; OREKHOVICH, V.H.; PANDAKOVA, V.H.

Effect of N-bromosuccinimide on pepsin and pepsinogen.
Dokl. AN SSSR 142 no.2:471-473 Ja '62. (MIRA 15:2)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
2. Deystvitel'nyy chlen AMN SSSR (for Orekhovich).
(SUCCINIMIDE)
(PEPSIN)

LOKSEINA, L. A.; OREKHOVICH, V. N.

"On the Significance of Some Amino Acid Residues in Pepsin Molecule for Its Enzymatic Activity."

report submitted for 6th Intl Biochemistry Cong, New York City, 26 Jul-1 Aug 1964.

LOKSHINA, L.A.; OREKHOVICH, V.N.; SKLYANKINA, V.A.

Splitting of ester bonds with pepsin. Vop. med. Khim. 10
no.5:552-554 S-O '64. (MIRA 18:11)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR,
Moskva.

POGORELKO, L.V.; KHARLAMOVA, K.S.; TYMYANSKAYA, Ye.A.; LOKSHINA, M.D.;
VIKENT'YEVA, O.V.; LAVOCHKIN, M.P., otv.red.; RACHEVSKAYA, M.I.,
red.izd-va; GUROVA, O., tekhn.red.

[A concise handbook containing addresses of institutions, enterprises, and organizations concerned with cultural and social services for the population of the city of Moscow] 'Kratkii spravochnik adresov uchrezhdenii, predpriatii i organizatsii po kul'turno-bytovomu obaluzhivaniu naselenia g. Moskvy. Po sostoianiiu na 25 dekabria 1953 g. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1954. 255 p. (MIRA 13:10)

1. Moskovskaya gorodskaya spravochno-informatsionnaya kontora "Mosgorspravka," Moscow. (Moscow--Directories)

NAZAROVA, O.M.; LOKSHINA, M.D.; POGORELKO, L.V.; TYMYANSKAYA, Ye.A.;
TIKHOMIROVA, T.S.; MODILEVSKAYA, P.A.; KHARLAMOVA, K.S., LAVOCHKIN,
M.P., otvetstvennyy redaktor; LIL'YE, A., tekhnicheskiy redaktor

[Moscow; a concise commercial and cultural directory. As of July 15,
1956] Moskva; kratkaia adreano-spravochnaia kniga. Po sostoiianiiu
na 15 iulia 1956. [Moskva] 1956. 495 p. (MLRA 10:1)

1. Moskovskaya gorodskaya spravochno-informatsionnaya kontora
"Mosgoraspravka," Moscow.
(Moscow--Directories)

SAVEL'Yeva, A.M.; LOKSHINA, M.I.

Siberian tick-bite typhus of Kazakhstan. Zdrav.Kazakh. 17
no.8:17-20 '57. (MIRA 12:6)

1. Iz kafedry mikrobiologii Tsentral'nogo instituta usovershenstvovaniya vrachey i Pavlodarskogo oblastnogo otdela zdravookhraneniya.
(KAZAKHSTAN--TYPHUS FEVER)

LOKSHINA, R.

USSR/Local Budgets

4903.0500

Oct 1947

"The Question of Regulating Local Budgets," S. Zimmel', R. Lokshina, 3 pp

"Sov Finansy" Vol VIII, No 10

Reviews problem of local budgets. Authors defend present system of subsidization of some regions at expense of others. Answers arguments of Comrade Vozyakov as given in his article entitled "More Attention to the Question of Regulating Local Budgets" appearing in "Sovetskiye Finansy" No 3, 1947.

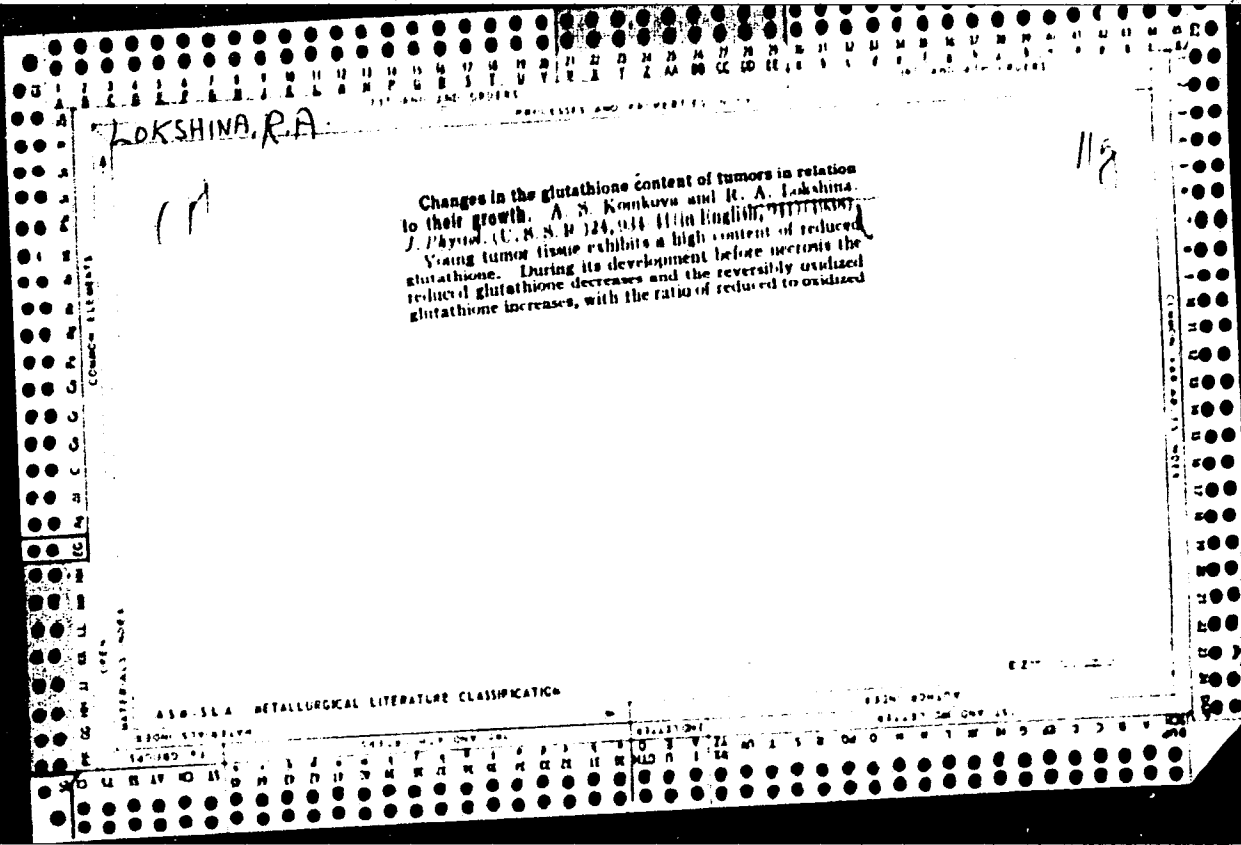
LC

20G84

LOKSHINA, R.

Budgets of the union republics for 1956. Fin.SSSR 17 no.4:18-24
Ap '56. (MLRA 9:8)

(Budget)



LOKSHINA, R.

APPROVED FOR RELEASE 06/20/2000 CIA-RDP86-00513R000930420016-6
 by R.Lokshina. Fin.SSSR 37 no.4:94-95 Ap '63. (MIRA 16:4)
 (Public institutions—Auditing and inspection)
 (Finogeev, P.)

LOKSHINA, R. A.

USSR/Medicine - Fungus Diseases
Dermatology

May/June 49

"Some Data on the Problem of Mouse Favus in Man," A. A. Tsimerinov, R.A. Lokshina,
Dermatol Dept, Sci Res Inst Ukrainian SSR, 1 p

"Vest Venerol i Dermatol" No 3

Isolated cases of Favus murium have been discovered in Leningrad. It has not yet been established whether Achorion quinckeanum is simply a skin parasite or whether it also attacks the hair. From cultures and experiments with white mice and porpoises, it appears that: Mouse favus of the scalp can simulate infiltrative trichophytosis. A quinckeanum can infect the hair of man and animals. Its culture can be distinguished from Kaufmann-Wolf's epidermophyton culture in a potato culture medium. Dir, Sci Res Inst Ukrainian SSR:
Prof A. M. Krichevskiy.

PA149T58

Drug Industry

Standardization of material supplies and acceleration of their turnover in pharmaceutical enterprises. Apt. dolo No. 1, 1952

Monthly List of Russian Accessions. Library of Congress
November 1952 UNCLASSIFIED

LOKSHINA, - R. D.

Drugstores

Development and distribution of the network of pharmacies in the R. S. F. S. F.
Apt. delo no. 4, 1952

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

LOKSHINA, R.D., kand.ekon.nauk; KORENEVSKAYA, L.P., mladshiy nauchnyy sotrudnik; IVANOVA, N.P., mladshiy nauchnyy sotrudnik

Planning the financial and administrative aspects of pharmacies.
Apt.delo 7 no.1:10-15 Ja-F '58. (MIRA 11:2)

1. In laboratorii organizatsii i ekonomiki aptechnogo dela TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneniya SSSR.
(DRUGSTORES)

LOKSHINA, R.D., kand.ekon.nauk.

Why we need standards for stocks of medicines in pharmacies.
Apt. delc 7 no.6:3-6 N-D '58 (MIRA 11:12)

1. Iz laboratorii organizatsii i ekonomiki aptechnogo dela
(zav. - kand.farmatsevticheskikh nauch M.G. Koroleva)
TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta
Ministerstva zdravookhraneniya SSSR.
(PHARMACY)

GOLOSOVA, N.A.; LEMENEV, L.M.; LITINSKIY, A.M.; LOKSHINA, R.D.; SEMENOVA,
T.D.; TARASOVA, L.G.; TOL'TSMAN, T.I., dots.; STETSYUK, A.M., red.;
SENCHILO, K.K., tekhn. red.

[Manual on the organization of pharmaceutical service] Uchebnik or-
ganizatsii farmatsevticheskogo dela. Moskva, Gos. izd-vo med. lit-ry
Medgiz, 1961. 419 p. (MIRA 14:8)
(DRUGSTORES)

LOKSHINA, R.D., kand. ekon. nauk; KOROLEVA, M.G., kand. farm. nauk;
KOROBOVA, Z.N.; UZDENIKOV, A.N.; MARTYNOVA, M.P.; PANCHENKO, Ye.I.
ANAN'YEVA, A.V.

Development of a methodological basis for the determination of
medication requirements. Sbor. nauch. trud. TSANII 4:20-30 '63
(MIRA 17:3)

1. Otdel organizatsii i ekonomiki aptechnogo dela (rukovoditel'
otdela - kand. farm. nauk A.M. Sidorkov) TSentral'nogo aptechno-
go nauchno-issledovatel'skogo instituta.

MURZAYEVA, A.M., kandidat sel'skokhozyaystvennykh nauk; LOKSHINA, R.V.,
inzhener.

Canned foods with a higher dry matter content. Trudy VNIIP no.3:
48-54 '54. (MLRA 9:8)

(Vegetables--Evaporation)

LESIN, A.D., inzh.; LOKSHINA, R.V., inzh.

Design of foreign vibration mills. Khim. i nef't. mashinost'.
no.3:38-44 S '64. (MIRA 17.12)

LOKSHINA, S.B.

Good management in the use of wage funds. Ugol' Ukr. 3 no.1:39-
40 Ja '59. (MIRA 12:1)

1. Nachal'nik ugol'nogo otdela Stalinskoy oblastnoy kontory
Prombanka SSSR.

(Mine management) (Wages)

10K 5/11/49, 3.5

USSR/Microbiology - Medical and Veterinary Microbiology

F-4

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68583

Author : Lokshina, S.S., Gorodetskiy, A.S.

Title : Presence of Microbes of the Intestinal Group in Hibernating Flies

Orig Pub : V. sb.: Dizenteriya, Kiev, Gosmedizdat U(Ukr)SSR, 1956, 242-244

Abstract : In the winter of 1948-1949 in 335 different institutions investigated-- children's homes, food establishments and homes (in 31 of them there were dysentery patients), 277 flies (Musca domestica) were collected and subjected to a bacteriological investigation; in 170 of these, microbes of the intestinal group were found: in the majority-- different variants of intestinal bacilli; in 15-- paracoli A, in 10-- paracoliV; in 2-- paracoli Va; in 7 fecal alkali-producer, in-- 3 Morgan bacilli, in 8--proteus. Among paraintestinal bacilli also a significant

Card 1/2

- 55 -

USSR/Microbiology - Medical and Veterinary Microbiology

F-4

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68583

number of variants were found. The ability of isolated types of intestinal and paraintestinal bacteria to agglutinate by dysentery sera of Shiga, Hiss-Flexner and Sonne was verified. Positive results were obtained in 11 cases. Comparing the high microbial population of the intestinal group in hibernating flies with that of flies during summertime (according to data of 1947 in city conditions in May-- 50%, July-- 82% and in September-- 90%) the authors consider it justifiable to place the problem of the importance of hibernating flies in the epidemiology of winter dysentery diseases.

Card 2/2

- 56 -

LOKSHIN, Ya.Yu.; MURAVIN, Ya.G.

International exhibition of packaging. Kons i ov. prom. 13
no.12:40-43 D '58. (MIRA 11:12)
(Düsseldorf, Germany--Packaging machinery--Exhibitions)

LOKSHIN, Ya. Yu.

Automatic production line of aluminum cans (from "Die Neue Verpackung,"
no.9, Sept., 1958). Kons. i ov. prom. 14 no.9:43-44 S '59.

(MIRA 12:12)

(Göttingen, Germany--Cans, Aluminum)

LOKSHIN, Ya.Yu.; MURAVIN, Ya.G.

International Exhibition of Packaging. Kons.1 ov.prom. 15 no.8:43-44
Ag '60. (MIRA 13:8)

(Packaging--Exhibitions)

ROZENBELOV, A.Ye.; LOKSHIN, Ya.Yu., kand. tekhn. nauk, retsenzent;
BELIKOVA, L.S., red.; SOKOLOVA, I.A., tekhn. red.

[Regulating can-closing machines] Regulirovanie zakatochnykh
mashin. Moskva, Pishchepromizdat, 1961. 83 p. (MIRA 14:9)
(Canning industry—Equipment and supplies)

LOKSHIN, Ya.Yu.; NAZAROVA, A.I.; KOSTROVA, Ye.I.; KALUGINA, L.N.

Use of rectangular tin cans of large holding capacity. Kons.1 ov.prom. 16
no.4:25-31 Ap '61. (MIRA 14:3)

1. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy i
ovoshchesushil'noy promyshlennosti.
(Tin cans)

LOKSHIN, Ya. Yu.

Tin with a plastic coating. Kons.i ov.prom. 16 no.5:37-38 My '61.
(MIRA 14⁵)

(Tin cans)

LOKSHIN, Ya.Yu.; KALUGINA, L.N.; ZHALCHENKO, Ye.V.

New standard for tin cans. Kons.i ov.prom. 17 no.9:15-18
S '62. (MIRA 15:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy i
ovoshchesushil'noy promyshlennosti.
(Tin cans--Standards)

LOKSHIN, Ya.Yu.

At the conference on the efficient utilization of tin. *Yons.i ov.prom.*
17 no.12:40-41 D '62. (MIRA 15:12)
(Food, Canned--Containers) (Tin)

KADANER, L.I.; DIK, T.A.; LOKSHIN, Ya.Yu.; PARKHOMOVSKAYA, A.D.

Studying the protective characteristics of various lacquer coatings. Kons. i ov. prom. 18 no.8:23-26 Ag '63. (MIRA 16:8)

1. Khar'kovskiy gosudarstvennyy pedagogicheskiy institut imeni G.S. Skovorody (for Kadaner, Dik). 2. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti (for Lokshin, Parkhomovskaya).

(Protective coatings--Testing)
(Tin cans)

1. LOKSHIN, Ye.
2. USSR (600)
4. Russia-Economic Policy
7. Economic problems and the supply of the national economy with materials and technical equipment. Za ekon. mat. No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

BALDIN, V.A.; TARANOVSKIY, S.V., prof., doktor tekhn.nauk; KHOKHARIN, A.Kh., kand.tekhn.nauk; BROUDE, B.M., doktor tekhn.nauk; CHUVIKIN, G.M., kand.tekhn.nauk; GURARI, M.D., inzh. [deceased]; LOKSHIN, Ye.E., kand.tekhn.nauk; KOVAL'CHUK, M.F., inzh., red.; STRASHNYKH, V.P., red.izd-va; RYAZANOV, P.Ye., tekhn.red.

[Technical specifications SN 113-60 for designing elements made of aluminum alloys] Tekhnicheskie usloviia proektirovaniia konstruktsii iz aluminievykh splavov, SN 113-60. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1960. 86 p. (MIRA 14:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Tsentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsey Akademii stroitel'stva i arkhitektury SSSR (for Taranovskiy, Khokharin, Broude, Chuvikin). 3. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Baldin). 4. Gosudarstvennyy proyektnyy institut Proyektstal'konstruktsiya Glavstroy-proyektstva pri Gosstroye SSSR (for Gurari, Lokshin). (Aluminum alloys)

RUMYANTSEV, A.F.; YEFIMOV, A.N.; TEPOV, G.V.; LOKSHIN, Ye.; KARPENKO,
A.P.; GRIGOR'YEV, A.; FILIPPOV, V.F.; PERESLEGIN, V.I.;
VOLODARSKIY, L.M.; RIIKOJA, L., red.; JUHANI, I., red.;
EINBERG, K., tekhn. red.

[Economy of socialist industrial enterprises; textbook]So-
tsialistlike toostusettevotete ekonomika; opik. Tallinn, 1961.
435 p. (MIRA 16:1)

(Estonia--Industrial management)

KAPLUN, Ya.A., inzh.; LOKSHIN, Ye.B., inzh.

Selecting steel brands in making steel construction elements
for industrial buildings. Stroi.prom. 27 no.7:18-19 J1 '49.
(MIRA 13:2)

1. Proyektstal'konstruktsiya.
(Steel, Structural)

LCKSHIN, Ye. L.

"Processing of Metals by Hydraulic Blows of Ultrasound Frequency."

All-Union Conference on Problems of Designing and Products Agricultural Machines
(Vsesoyuznaya konferentsiya po voprosam ~~konferentsiya po~~ voprosam konstruirovaniya i
proizvestva sel'skokhozyaystvennykh mashin. Rostov on Don, Jan 1958

Mashinostroitel', Nr 8, p 46, (USSR)

LOKSHIN, Ye.L.; ZOTOV, A.G.; CHEMEN, V.P.; SHIPILOV, N.G.

Ways to improve the industrial and economic indices in the preparation of underground gas producers by boring. Podzem. gas. ugl. no.3:67-71 '59. (MIRA 12:12)

1. Angrenskaya stantsiya "Podzengaz."
(Coal gasification, Underground)
(Boring)

LOKSHIN, Ye.L., kand.med.nauk

Case of spontaneous pneumothorax cured by forced reposition of
the lung. Probl.tub. 37 no.3:94-95 '59. (MIRA 12:6)
(PNEUMOTHORAX, surgery,
Albert-Maranconi's operation (Rus))

ZHUKOV, V.V., kand. tekhn. nauk; OVCHINNIKOV, V.M.; LOESHIN, Ye.L.;
ORLOV, G.V.

Effect of the displacement of rocks during gasification of a coal
seam in the Angren deposit on the disturbance of borehole casings
in underground gas generators. Nauch. trudy VNIIPodzemgaza no. 10:
85-90 '63. (MIRA 17:5)

1. Laboratoriya gornogeologicheskaya, Angrenskaya stantsiya
"Podzemgaz".

133-58-5-2/31

AUTHORS: Lokshin, Ye. M. and Borisov, Yu. S., Engineers

TITLE: Intensification of the Blast Furnace Process by Changing the Composition of Blast (Intensifikatsiya domennogo protsessa izmeneniyem sostava dut'ya)

PERIODICAL: Stal', 1958, Nr 5, pp 391-397 (USSR)

ABSTRACT: The choice of the most effective compositions of blast is difficult due to lack of calculating and experimental data, scientifically based, which characterise possible changes in the course of various blast furnace processes on the transfer from one kind of blast to a blast of a different composition. In order to establish the possibility, expediency and an approximate economic effectivity of individual compositions of blast furnace blast as well as rational conditions of their practical utilisation, a method of calculating indices of the blast furnace performance, based on drawing up zonal heat balances was developed. In the light of present views on heat exchange in a blast furnace, it is possible to limit its division into two zones, the boundary between which is the temperature of the zone of slowed down heat exchange. In the calculations such a development of all

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is within the limits, corresponding to operating conditions of the best Soviet furnaces. The first approximate method of taking into account the kinetics of reduction in a blast furnace was developed on the basis of laboratory investigations carried out on a special large installation of VNIIMT. The reduction of pellets was carried out in a layer at temperatures 800-970°C with gases containing from 32 to 70% of reducing components (CO + H₂). The linear gas velocity 1.2 to 1.5 m³/min. As a criterion for the reducing ability of gas the value of kg - the weight of metallic iron formed during the reduction of briquettes with ln m³ of gas during 1 minute. The relationship between kg and total % of CO + H₂ in gas is practically linear (Fig.3). In order to maintain in the furnace normal aerodynamic conditions it is necessary to secure the constancy of the amount of gas passing through the furnace in a unit of time and to retain the distribution of temperatures in the furnace. The main parts of the

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These are: A. Calculation of material characteristic of raw materials. As starting data for the calculation the composition of raw materials, composition of pig and slag, the degree of transfer of the individual elements into iron and slag, the yields of pig t/t and slag t/t, consumption of fluxes t/t, the consumption of carbon on direct reduction and the amount of carbon burned at tuyeres. B. Calculation of zonal heat balances. The furnace was divided into three zones: zone of intensive heat exchange (bottom part) and the zone of slow heat exchange (middle part) and the zone of well developed heat exchange (top part). The division is shown in Fig.1. C. Calculation of the combustion process in the tuyere zone. D. Calculation of the degree of direct reduction. E. Determination of blast furnace performance indices. Calculations were carried out for blasts containing coke oven, natural, producer, blast furnace and carbon dioxide gases, oil and steam. Two methods of utilising coal dust were also considered: a) blowing in hot gas (1600-1700°C) obtained on gasification of coal dust in generators of the

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cyclone type; b) blowing in natural coal dust. According to the calculated results all additions to the air blast can be divided into three groups: 1) consuming heat in the tuyere zone (steam, CO₂, blast furnace gas); 2) evolving heat in the tuyere zone (coke oven and natural gas, oil, etc.); 3) comparatively neutral in respect of heat consumption in the tuyere zone (producer gas etc.). A specific feature of all additions is a decrease in the combustion temperature in the tuyere zone. For the additions of the second and third group a decrease in the intensity of the combustion of coke at tuyeres is also characteristic. All these deficiencies limit the application of any of the above additions, but can be overcome by oxygen enrichment of blast. The dependence of oxygen consumption (m³/t of pig) on the type and proportion of an addition to blast - Fig.5; the influence of additions of steam (A), natural gas (B) and producer gas (V) on the output (a), coke rate (b), cost of pig (v), calorific value of top gas (g) - Fig.6; the influence of additions of oil (A), cyclone semi-gas (B) and coal dust (V) on the output (a) and coke rate (b) - Fig.7.

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Conclusions: 1) For a successful application of all types of additions to the blast its simultaneous oxygen enrichment is necessary. 2) The calculations indicated that an enrichment of blast furnace blast with oil, natural, coke oven and producer gas, as well as blowing in coal dust either directly or in the form of semi-gas, obtained in a cyclone combustion chamber, should have an effective influence on the blast furnace performance. Within the limits investigated a maximum decrease of coke rate of 30-35% and an increase of output of 40% with simultaneous sharp increase in the calorific value of top gas can be expected. 3) The use of carbon dioxide and steam for blast enrichment has no advantages. 4) An increase in the temperature of preheating blast additives should be beneficial for the furnace performance. 5) It is advantageous to introduce blast additives into the tuyere zone. 6) The proposed method of calculating enables an approximate evaluation of the effect of various additions to blast furnace blast. 7) The results of Card 5/6 calculations indicate that it would be advantageous to

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carry out semi-industrial or industrial trials with blast
additives as soon as possible.

There are 7 figures and 9 references, 8 of which are
Soviet, 1 English

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