

ZELININ, A. V.; LYAPUNOVA, Ye. A.

"On the nature of cytoplasmic granules having red fluorescence and produced in living cells treated with acridine orange."

report submitted for 2nd Intl Cong, Histochemistry & Cytochemistry, Frankfurt, 16-21 Aug 64.

Moscow.

Inst Physico-Chemical & Radiation Biology, AS USSR, Vavilov Street 18, Moscow B-312.

ZELNIN, A.V.; BIRYUZOVA, V.I.; VOROTNITSKAYA, N.Ye.; LYAPUNOVA, Ye.A.

Separation of a subcellular fraction enriched with acridine orange  
cytoplasmic granules. Dokl. AN SSSR 162 no.4:925-927 Je '65.  
(MIRA 18:5)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN  
SSSR. Submitted July 25, 1964.

LYAPUNOVA, Ye.A.; PETRIKEVICH, S.B.; ZELENIN, A.V.

Intravitality of fluorescence microscopic studies conducted  
with the help of fluorochromes of acridine orange and 3,4-benzo-  
pyrene. Izv. AN SSSR. Ser. biol. no.6:928-932 N-D '65.  
(MIRA 18:11)

1. Institut molekulyarnoy biologii AN SSSR.

ZALMANZON, Ye.S.; ZELENIN, A.V.; KAFIANI, K.A.; LOBAREVA, L.S.; LYAPUNOVA,  
Ye.A.; TIMOFEYEVA, M.Ya.

Effect of some antineoplastic antibiotics on the synthesis of  
nucleic acids and reproduction of viruses in a culture of human  
amnion cells (strain FL). Antibiotiki 10 no.7:61-622 J1 '65.  
(MIRA 18:9)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN  
SSSR, Moskva.

ACC NR: AP6027889. (N) SOURCE CODE: UR/0390/66/029/004/0481/0484

AUTHOR: Zelenin, A. V.; Lyapunova, Ye. A.

ORG: Institute of Molecular Biology, AN SSSR, Moscow (Institut molekulyarnoy biologii AN SSSR)

TITLE: Effect of acridine orange upon the nucleic acid synthesis in animal cells

SOURCE: Farmakologiya i toksikologiya, v. 29, no. 4, 1966, 481-484

TOPIC TAGS: nucleic acid synthesis, DNA, RNA, acridine orange, metabolic effect ;  
*CYTOLOGY, NUCLEIC ACID*

ABSTRACT: Three micrograms of acridine orange (2,8-bis-dimethylaminoacridine) suppressed cellular DNA synthesis by 30—40% and that of RNA by 40—60%. M-RNA was affected least and p-RNA the most. It is believed that acridine orange affects nucleic acid synthesis in the same way as small doses of Actinomycin "D." [WA-50; CBE No. 11]

SUB CODE: 06/ SUBM DATE: 12Aug65/ ORIG REF: 008/ OTH REF: 012

Card 1/1

UDC: 615.778.292-092:612.398.145.1.014.1

LYAPUSTIN, A. K.

SEMUSHKIN, N. R., LYAPUSTIN, A. K., Lect.

"Clinical differentiation of acute distentions of the stomach of horses."

SO: Vet. 2 $\frac{1}{2}$  (11) 1948, p. 26  
5

1. LYAFUSTIN, A. K.; BULAKH, A. K.
2. USSR (600)
4. Dairy Cattle
7. Some results of research on increasing milk yield and on checking K. M. Letsko's suggested method for increasing butterfat content in milk, Sov. zootekh., 7, No. 11, 1952.

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

LYAPUSTIN, A.K., dotsent, kandidat veterinarnykh nauk.

~~\_\_\_\_\_~~  
Pigment metabolism in animals and differential diagnosis of its  
disturbances. Veterinariia 31 no.2:33-38 F '54. (MLRA 7:2)

1. Belotserkovskiy sel'skokhozyaystvennyy institut.  
(Jaundice) (Veterinary physiology)



LYAPUSTIN, Aleksey Konstantinovich

(Belaya Tserkov Agricultural Inst), Academic degree of Doctor of Veterinary Sciences, based on his defense, 17 June 1955, in the Council of Moscow Veterinary Acad, of his dissertation entitled: "Seasonal and daily rhythm of certain physiological functions of highly productive cow."

Academic degree and/or title: Doctors of Sciences

SO: Decisions of VAK, List no. 4, 25 February 1956, Byulleten' MVO SSSR, No. 1, January 1957, Moscow, pp. 14-24, Uncl.  
JPRS/NY-440

USSR/Human and Animal Physiology - Blood Circulation.

T-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31706

Author : ~~Lyapustin, A.K.~~

Inst : -

Title : Daily Rhythm of Heart Activity in High-Yield Cows According to Data of the Electrocardiograph.

Orig Pub : Tr. Novocherkasskogo zootekhn.-vet. in-ta, 1957, vyp. 10, 181-190.

Abstract : No abstract.

Card 1/1

- 48 -

USSR / Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35808.

Author : ~~Lyapustin, A. K.~~  
Inst : Novocherkasskiy Zoological and Technical  
Veterinary Institute.  
Title : Experimental Elimination of Leptospirosis in  
Animals in Four Oblast's.

Orig Pub: Tr. Novocherkasskogo Zootekhn.-vet. in-ta,  
1957, vyp. 10, 313-316.

Abstract: No abstract.

Card 1/1

USSR/Diseases of Farm Animals - Diseases Caused by Protozoa.

R-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45435

Author : Lyapustin, A.K.

Inst : Novocherkassk Zootechnical Veterinary Institute.

Title : A Contribution to the Evaluation of the Condition of the  
Circulatory Organs of Horses in Piroplasmosis.

Orig Pub : Tr. Novocherkasskogo zootekhn.-vet. in-ta, 1957, vyp. 10,  
317-322.

Abstract : No abstract.

Card 1/1

- 22 -

DOMRACHEV, Georgiy Vladimirovich, prof., zasluzh.deyatel' nauki RSFSR [deceased];  
SHARAHRIN, I.G., prof.; SMIRNOV, S.I., prof.; CHAGIN, V.G., prof.;  
KLEYNBOK, Ya.I., prof.; LYAPUSTIN, A.K., prof.; SEMUSEKIN, N.R.,  
prof. [deceased]; ONEGOV, A.P., prof.; KHRUSTALEV, S.A., prof.  
[deceased]; CHERKASOV, V.A., dotsent; SOLOVEY, A.S., red.; PROKOF'YEV,  
L.N., tekhn.red.

[Pathology and treatment of internal noninfectious diseases of farm  
animals] Patologiya i terapiya vnutrennikh nezaraznykh boleznei  
sel'skokhoziaistvennykh zhiivotnykh. Moskva, Gos.izd-vo sel'khoz.lit-ry,  
1960. 503 p. (MIRA 13:11)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh  
nauk im. V.I.Lenina (for Domrachev).  
(Veterinary medicine)

LYAPUSTIN, A.K.; BOZHKO, G.; KONDRAT'YEV, I.; GARBARCHUK, M.I.; MUSTAFAYEV,  
~~Z.B.~~; IERAGIMOV, R.; ZINOV'YEV, B.; ALEKSEYEV, A.A.; GLUKHOVA, G.;  
SAZONOV, Yu.; MEDVEDEV, I.D.

In the Soviet Union. Veterinariia 39 no.11:89-96 N 162.  
(MIRA 16:10)

LYAPUSTINA, ~~A. T.~~  
T. A.

✓ Comparative estimation of the effect of different salts of  
Ca Yelme on the cardiac-vascular system of working horses. (11)  
T. A. Lyapustina. *Nauch. Zapiski Belaruskov. Sel'skokhoz.*  
*Inst. J.* No. 1, 153-60(1952/53); *Referat. Zhur., Khim.*  
1954, No. 43379. B. Wierbicki

USSR/Diseases of Farm Animals. General Problems.

R

Abs Jour: Ref Zhur-Diol., No 15, 1958, 69458.

Author : Lyapustina, T.A.  
Inst : Novocherkassk Zootechnical Veterinary Institute.  
Title : The Change of the Motor Function of the Stomach of  
the Horse Under the Influence of Ichtyol and  
Hydrochloric Acid.

Orig Pub: Tr. Novocherkasskogo zootekhn.-vet. in-ta, 1957,  
vyp. 10, 225-227.

Abstract: Ichtyol, introduced directly into the stomach of  
a horse affected with achlorhydria, considerably  
increases the frequency of stomach contractions  
and at the same time changes the force of each  
contraction, 30-40 min. after its administration.

Card : 1/2



1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

16

✓

Performance and construction of Yuskevich furnaces  
I. N. Kus'minukh and B. M. Lyapunov. *Выводы*  
*Пром. 13, No. 12, 73-82(1934).*—A crit. discussion of  
the performance of the Yushkevich furnace in burning  
Ural flotation pyrites, with recommendation for structural  
changes. Chas. Blanc

COMMON ELEMENTS

MATERIAL INDEX

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1ST AND 2ND ORDERS

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|---|---------|
| 2566. AGGLOMERATION OF CINDER FROM FLOTATION TAILINGS IN A SUSPENDED STATE. Lyapustina, E. M. and Kotovskii, L. D. (Khim. Prom., 1944, No. 8, 7-10). The agglomeration was done by the action of heat while a mixture of cinder and powdered coal was kept suspended in air. The agglomerate was intended for use in blast furnaces. Best results were obtained when the temperature at the bottom of the furnace was 1200-20-25%. In the middle of the furnace the temperature should be 25-30° higher than in its lower part. The chemical composition of the agglomerate is satisfactory. Its S content does not exceed hundredths of a percent, the FeO content is below that tolerated by metallurgical processes, it is mechanically strong, and the percentage of subsequently reducible Fe is high. |         |
| C. A.   |         |
| ABB. SLA - METALLURGICAL LITERATURE CLASSIFICATION  |         |
| SEARCHED  | INDEXED |
| SERIALIZED  | FILED   |
| MAY 19 1964   |         |
| FBI - NEW YORK  |         |

LYAPUSTINA, Ye. H.

LYAPUSTINA, Ye. M.-- "Rationalization of the Process of Roasting of Flotation Pyrite Concentrates." Sub 27 Jun 52, Sci Inst for Fertilizers and Insectofungicides, Ministry of Chemistry Industry USSR. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January-December 1952

LYAPUSTINA, E. M.

✓ Uses in the metallurgical industry of the ash from pyrite  
 flotation concentrate, and the possibilities of obtaining the  
 ash in a pelletized form. B. P. Volgin and E. M. Lyapustina. *Trudy Ural. Nauch.-Issledovatel. Kazn. Inst.*  
 1954, No. 1, 133-7; *Referat. Zhur., Met.* 1956, No. 39. — It  
 is possible to obtain an agglomerate or a melt after calcin-  
 ing pyrite concentrates in a suspended state. This permits  
 a 2-3.5-fold increase in the productivity of pyrite burners  
 of sulfuric acid plants, and mechanization of unloading and  
 transportation of the ash, and facilitates metallurgical treat-  
 ment of the ash. The ash is sintered at 1050-1100° and  
 melted at 1250° or higher. Lead in the melt is transformed  
 into compounds which could be very hard to reduce and  
 therefore the melt must be fed principally to the charge of  
 agglomerate plants. The S content could be lowered to  
 less than 0.2%, so that the agglomerate could be used di-  
 rectly in the blast furnace. Precious metals that often are  
 present in the original material can be recovered.

Alexis N. Postoff

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LYAPUSTINA E.M.

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18

Establishing the heat balance in calcining pyrite flotation concentrate. E. M. Lyapustina. *Trudy Ural. Nauch. Issledovatel. Khim. Inst.* 1954, No. 1, 132-35; *Referat. Zhur.*, *Mst.* 1956, No. 10. — Norms based on the literature and exptl. material are presented. Possible deviations were established as a result of application of different methods of detg. heat balance for calcining pyrite flotation concentrate in mechanical furnaces and in furnaces for calcination in suspension. It is assumed that at 800° Fe is present as Fe<sub>2</sub>O<sub>3</sub>, at 800-1050° as Fe<sub>3</sub>O<sub>4</sub>, and Fe<sub>2</sub>O<sub>3</sub>, at 1050° as Fe<sub>2</sub>O<sub>3</sub> and Fe<sub>2</sub>SiO<sub>4</sub>. According to Hess' thermochemical law there was calcd. the quantity of heat produced depending on the Fe content of the ash. Alexis N. Pestoff.

18  
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E. Ya. Pustina, E. M.

15

Granulation of flotation pyrite, E. M. Pustina and  
 A. I. Petelav. *Trudy Vses. Nauch. Issled. Inst. Khim.*  
~~1954, No. 1, 167-74; *Zhurnal. Khim. i Mekh. 1954,*~~  
 Abstr. No. 55018. — The granule strength of nodulized flota-  
 tion pyrite (air dried or after firing) is considerably affected  
 by its water absorption capacity, depending on its hydro-  
 philic properties. Increase of the water capacity approx-  
 imately increases the mech. strength 1.2-2.5 times and, on  
 firing at 500°, 3 to 4.5 times. Clays, lime, slag, soda,  
 NaOH, and other hydrophilic substances can be added in  
 order to increase the water absorption capacity. N. V.

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Lyapustina, E. M.

1 1

Determination of the specific gravity and heat conductivity of flotation pyrite cinders. E. M. Lyapustina and V. P. Tatarsaya. *Trudy Vys. Shkoly, Seriya Khim. Nauki*, 1954, No. 1, 225-6; *Zhurnal. Khim. i Mekh. Tsvetn. Mater.*, 1955, Abstr. No. 66019. — The sp. gr. of the flotation pyrite cinders (the pyrite concentrate) are detd. with a pycnometer in toluene and in water. It is necessary to evacuate the air from the partly liquid-filled pycnometer (for the air removal from the pores of the cinder particles) thus improving the detn. precision by ~20%. Water gives slightly higher results because of the soly. of some sulfates contained by the cinders. Depending on the S content in the pyrite, the sp. gr. of the cinders changes from 3.925 at 40% S to 4.78 at 61% S. The coeff. of heat cond.  $\lambda$ , and the coeff. of heat emission  $\alpha$  of the cinders are detd. by the tube method (Mikhov and Orlov, *Teplo-peredachi, Gosenergoizdat* 1947). Depending on the temp. of the cinders  $\lambda$  (in cal./sq. m. hr. degree) changes from 0.8 at 200° to 0.55 at 700°;  $\alpha$  (in cal./sq. m. hr. degree) changes depending on the temp. of the tube wall from 3 at 110° to 27 at 320°. A linear relation is established between  $\lambda$ ,  $\alpha$ , and the temp.

N. Vazied

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LYAPUSTINA, Ye.M.; BABADZHAN, A.A.; BULATOV, V.D.

Producing and processing granulated concentrates at the Kirevgrad copper  
smelting plant. Tsvet.met. 29 no.9:24-28 S '56. (MLRA 9:10)  
(Kirevgrad--Copper--Metallurgy) (Ore dressing)



SOV/137-59-1-277

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 34 (USSR)

AUTHORS: Apakhov, I. A., Volgin, B. P., Lyapustina, Ye. M., Andreyev, A. F.

TITLE: High-temperature Roasting of Pyrite Maintained in a Suspended [ Fluidized ] State (Vysokotemperaturnyy obzhig kolchedana vo vzveshennom sostoyanii)

PERIODICAL: V sb.: Vopr. polucheniya sernist. gaza iz kolchedana i sery. Leningrad, Goskhimizdat, 1957, pp 71-78

ABSTRACT: The process of roasting of a flotation concentrate may be greatly enhanced if the surface area of the concentrate is increased by maintaining it in a suspended [fluidized] state at elevated temperatures ( > 1000°C). The material injected into the furnace by blowing is preheated to a temperature approaching the temperature of fusion, a partial sintering of the material observed in the process being attributable to the collision of particles; the final formation of the sinter occurs on the bottom of the furnace. The sinter thus obtained contains only ~ 0.2% S and is well suited for blast-furnace smelting. Pilot-plant tests substantiated the possibility of employing this method of roasting, and, in 1953, an experimental-plant

Card 1/2

High-temperature Roasting of Pyrite Maintained in a Suspended (cont.)

SOV/137-59-1-277

furnace was designed on the basis of these tests. Pilot-plant experiments on roasting of material in a suspended state yielding a liquid end product, which was subsequently granulated, were conducted in a furnace 5.7 m high and 1.5 m in diameter; the experiments revealed the need for an additional supply of heat; this additional heat could be provided by means of combustion of fuel, preheating of air, or utilization of oxygen-enriched air, the latter alternative being the most advantageous.

A. P.

Card 2/2

5(2)

SOV/80-32-3-9/43

AUTHORS: Pefelov, A.I., Lyapustina, Ye.M.

TITLE: On the Rate of the Burning Process of Flotation Pyrite in Suspension (O skorosti protsessa cbzhiga flotatsionnogo kolchedana vo vzveshennom sostoyanii)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 3, pp 515-523 (USSR)

ABSTRACT: The burning of flotation pyrite in suspension is studied in a vertical pipe furnace with a height of 1.5 m and an inner diameter of 72 mm (Figure 1). The relation between reaction rate and temperature is shown in Figure 2. In the interval of 485 - 580°C the reaction rate increases sharply. Between 580 and 780°C there is almost no change. In the interval 780 - 1,155°C the rate rises again with the temperature but more slowly. The apparent energy of activation corresponds to the reaction rate: in the first interval it is 52,300 cal/mole, in the second 620 cal/mole and in the third 3,400 cal/mole. The burning of the suspended pyrite is very intense. At 700 - 750°C the elimination of the sulfur in sulfides reaches 95% within 0.5 sec. At 1,000°C 98.5% are eliminated. The in-

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SOV/80-32-3-9/43

On the Rate of the Burning Process of Flotation Pyrite in Suspension

crease of the reaction time from 0.5 to 2 sec raises the degree of elimination only by 0.5%. Under industrial conditions the pyrite contains admixtures of  $\text{SiO}_2$ ,  $\text{CaO}$ , etc, so that the sulfur content is as low as 33.30%. In such a case the degree of sulfur elimination is only 96% at a temperature of 800°C. There are 5 graphs, 7 photos, 1 diagram and 11 Soviet references.

SUBMITTED: September 18, 1957

Card 2/2

LYAPUSTINA, Ye.M.; FEFELOV, A.I.

Effect of the concentration of sulfur dioxide and of the  
secondary air blast on the recovery of sulfur from pyrite  
by roasting. Khim. prom. no. 6:512 S '60. (MIRA 13:11)  
(Sulfur dioxide) (Sulfur)

LYAPUSTINA, Ye.M.; KRAPIVNER, S.L.; RIMSKAYA, L.P.

Technical and economic comparison of different methods of  
roasting flotation pyrite. Zhur.VKHO 7 no.1:25-32 '62.  
(MIRA 15:3)

(Pyrite)

137-58-6-11918

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 105 (USSR)

AUTHOR: Lyaputsov, A.N.

TITLE: Determination of the Rate of Circulation of Slurry in a Decomposer with Air-lift Agitation (Opredeleniye skorosti tsirkulyatsii pul'py v dekompozere s aeroliftnym peremeshivaniyem)

PERIODICAL: Tr. Vses. alyumin.-magn. in-ta, 1957, Nr 39, pp 94-99

ABSTRACT: An equation is compiled based on the equality, during steady-state circulation, of the volume of slurry raised per hour through the air-lift tube and that dropping through any cross section of the decomposer. The equation is  $M = m + \pi (R^2 - r^2)vm/Q$  where M is the content of precipitate in the slurry ejected from the air-lift tube, in  $kg/m^3$ , m is the precipitate content in the decomposer slurry, in  $kg/m^3$ , Q is the amount of pulp ejected from the air-lift tube per hour,  $m^3/hr$ , R and r are the radii of the decomposer and the air-lift tube, in meters, and v is the rate of deposition of the particles in the slurry, in  $m/hr$ . If we determine the values of M and m in selected specimens of slurry and allow for a different v for dimensions of different size, this method may be used to determine the value of Q. A.P.

Card 1/1

1. Solutions--Motion 2. Mathematics--Applications

LYARSKAYA, R.P.

Formation of adventitious buds on apple roots. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 12 no.4:53-62 '57. (MIRA 11:5)

1. Kafedra vysshikh rasteniy Moskovskogo gosudarstvennogo universiteta.

(Apple) (Roots (Botany)) (Buds)



LYARSKAYA, R.P.

Development of root suckers in seabuckthorn (*Hippophae rhamnoides* L.)  
Nauch. dokl. vys. shkoly; biol. nauki no.2:89-92 '58. (MIRA 11:10)

1. Predstavlena kafedroy vysskikh rasteniy Moskovskogo gosudarstvennogo  
imeni M.V. Lomonosova.

(Seabuckthorn) (Roots (Botany))

LYARSKAYA, R.P.

Some features of natural vegetative reproduction of staghorn  
sumac (*Rhus typhina* L.) by root suckers. Nauch.dokl.vys.  
shkoly; biol.nauki no.1:117-123 '59. (MIRA 12:5)

1. Rekomendovana kafedroy vysshikh rasteniy Moskovskogo  
gosudarstvennogo universiteta im. M.V.Lomonosova.  
(SUMAC)

LOTOVA, L.I.; LYARSKAYA, R.P.

Some anatomical characteristics of root accretion in the deodar cedar  
and Atlas cedar. Nauch. dokl. vys. shkoly; biol. nauki no.4:99-104  
'59. (MIRA 12:12)

1.Rekomendovana kafedroy vysshikh rasteniy Moskovskogo gosudarstvennogo  
universiteta im. M.V. Lomonosova.  
(Cedar) (Roots (Botany))

LYARSKAYA, T. Ya., Physician

"Moshkovskiy's Leukocytic Profile and Schilling's Hemogram in Certain Infectious Diseases." Sub 12 Feb 51, Second Moscow State Medical Inst imeni I. V. Stalin.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

LYARSKAYA, T.Ya.

Rhinocytoscopic investigation in influenza. Lab. delo 7 no.1:25-  
26 Ja '61. (MIRA 14:1)

1. Klinika (zav. - prof. N.V.Sergeyev) Institutá virusologii imeni  
D.I. Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA)

LYARSKAYA, T.Ya.

Blood picture in influenza during the 1959 winter outbreak. Lab.  
delo 7 no.2:24-27 F '61. (MIRA 14:1)

1. Klinika (zav. - prof. N.Y. Sergeyev [deceased]) Institut  
virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA) (BLOOD-EXAMINATION)

LYARSKAYA, T.Ya., kand.med.nauk (Moskva)

Examination of proconvertin in Botkin's disease. Klin.med. 39  
no.3:30-34 Mr '61. (MIRA 14:3)

1. Iz kliniki (zav. - prof. N.V. Sergeyev [deceased]) Instituta  
virusologii imeni D.I. Ivanovskogo (dir. - prof. P.N. Kosyakov)  
na baze Klinicheskoy infektsionnoy bol'nitsy No.2 (glavnyy vrach  
A.M. Pyl'tsova).  
(BLOOD-COAGULATION) (HEPATITIS, INFECTIOUS)

KETILADZE, Ye. S.; ALEKSEYEVA, A. A.; SOROKINA, Ye. Yu.; LOZHKINA, A. N.;  
KNYAZEVA, L. D.; ZAKSTEL'SKAYA, L. Ya.; LYARSKAYA, T. Ya.

Angina in influenza and adenovirus diseases. Vest. otorin. no.3:  
9-15 '62. (MIRA 15:6)

1. Iz klinicheskogo otdeleniya (nauchnyy rukovoditel' - deystvitel'-  
nyy chlen AMN SSSR prof. A. F. Bilibin, zav. - dotsent Ye. S.  
Ketiladze) Instituta virusologii AMN SSSR (dir. - deystvitel'nyy  
chlen AMN SSSR prof. V. M. Zhdanov) na baze klinicheskoy infek-  
tsionnoy bol'nitsy No. 2, Moskva.

(INFLUENZA) (ADENOVIRUS INFECTIONS)  
(TONSILS---DISEASES)



EPSHTEYN, F.G., prof.; AGARKOVA, L.G., kand.med.nauk; DREYZIN, R.S.;  
SOROKINA, Ye.Yu.; LYARSKAYA, T.Ya., kand.med.nauk

Acute respiratory diseases in children caused by the 7a type  
of adenovirus. Sov. med. 25 no.2:81-85 F '62. (MIRA 15:3)

1. Iz Instituta virusologii AMN SSSR (dir. - prof. P.N.  
Kosyakov) i Doma rebenka No.2 (zav. Ye.S. Zhuchina).

(ADENOVIRUS INFECTIONS)  
(RESPIRATORY ORGANS--DISEASES)

LYARSKAYA, T.Ya.; CHESHIK, S.G.

Rhinocytoscopic studies in adenovirus infections in children. Vop.  
okh.mat.i det. 7 no.4:14-18 Ap '62. (MIRA 15:11)

1. Iz kliniki (nauchnyy rukovoditel' deystvitel'nyy chlen AMN SSSR  
prof. A.F.Bilibin, zav. - dotsent Ye.S.Ketiladze) Instituta  
virusologii imeni D.I.Ivanovskogo (dir. - deystvitel'nyy chlen  
AMN SSSR prof. V.M.Zhdanov) AMN SSSR.  
(ADENOVIRUS INFECTIONS) (NOSE)

LYARSKAYA, T.Ya.; KETILADZE, Ye.S.

Detection of cell inclusions in influenza and its complications during the interepidemic period. Lab.delo 9 no.3:35-41 Mr '63.

(MIRA 16:4)

1. Klinika (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. A.F.Bilibin, zav. - dotsent Ye.S.Ketiladze) Instituta virusologii imeni D.I.Ivanovskogo AMN SSSR na baze infektsionnoy bol'nitsy No.2.

(INFLUENZA)

LYARSKAYA, T.YA., KETILADZE, Ye.S.; ZHILINA, N.N.

Use of fluorescence microscopy for the detection of virus inclusions in influenza. Sov.med. 26 no.1:60-65 Ja '63.

(MIRA 16:4)

1. Iz kliniki (zav. - dotsent Ye.S.Ketiladze, nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. A.F. Bilibin) Instituta virusologii imeni D.I.Ivanovskogo (dir. - deystvitel'nyy chlen AMN SSSR prof. V.M. Zhdanov) AMN SSSR na baze klinicheskoy infektsionnoy bol'nitsy No. 2 (glavnyy vrach A.M.Pyl'tsova).

(INFLUENZA)

(FLUORESCENCE MICROSCOPY)

LYARSKAYA, T.Ya.

Differentiation of cellular elements in cerebrospinal fluid using  
fluorescence microscopy. Lab. delo 10 no.3:137-138 '64.

(MIRA 17:2)

1. Klinicheskiy otdel (Zaveduyushchiy - dotsent Ye.S.Ketiladze)  
Instituta virusologii im. D.I.Ivanovskogo (direktor - deystvitel'-  
nyy chlen AMN SSSR prof. V.M.Zhdanov), Moskva.

LYARSKIY, P.A.

P.I.Rychkov as the outstanding Russian geographer of the 18th century. Geog.sbor. no.3:45-78 '54. (MLRA 7:11)  
(Rychkov, Petr Ivanovich, 1712-1777)

LYARSKIY, P. A.

AUTHORS: Dzens-Litovskiy, A.I. and Lyarskiy, P.A. 12-1-14/26

TITLE: The Life and Scientific-Pedagogical Activity of G.G. Shenberg  
(Zhiznenny put' i nauchno-pedagogicheskaya deyatel'nost' G.G. Shenberga)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958,  
# 1, pp 77 - 79 (USSR)

ABSTRACT: This article is a biography of G.G. Shenberg, who died  
in 1954 at Mogilev. He was a senior member of the All-  
Union Geographic Society of the USSR, and taught as a  
professor of geography and natural sciences at various in-  
stitutes. His research success and aims are listed.  
There is one photograph.

AVAILABLE: Library of Congress

Card 1/1

RATOBYL'SKIY, Nikolay Stanislavovich; LYARSKIY, Petr Alekseyevich;  
ZAVRIYEV, V.G, prof., nauchn. red.; DEMENT'YEV, V.A.,  
prof., nauchn. red.; GESB, N., red.; MORGUNOVA, G., tekhn.  
red.

[Geography] Geografiia. Minsk, Izd-vo "Vysshaya shkola,"  
1963. 379 p. (MIRA 17:3)



LYARSKIY, P.P.; MOISEYEV, A.A. (Moskva)

Establishing the maximum permissible content of strontium-90  
in food products. Gig. i san. 28 no.1:83-89 Ja'63. (MIRA 16:7)  
(FOOD CONTAMINATION) (STRONTIUM—ISOTOPES)

CA

LYAS, A.M.

31

Luminescence analysis of molding materials. P. P. Berg, A. M. Lyas, and I. A. Vilenkaya. *Vestnik Mashinostroeniya* 27, No. 9, 50-65 (1947); *Chem Zentr* 1949, 782-

3. Luminescence analysis is useful for the detn. of the type of binding agent, the degree of homogeneity, the properties of the molding mixt., and the degree of dryness. In certain cases such analysis can be used for the quant. detn. of the compn. of the mold material and for the detection of changes therein which cannot be detected by other means. The luminescence of the following constituents of the molding mass under various conditions was studied: linseed oil, sunflower-seed oil, sulfite liquor, dextrin, colophony, various kinds of tar, benzene, kerosene, mineral oils, and paraffin.  
M. G. Moore

9(2)

SOV/91-59-10-20/29

AUTHOR: Lyas V.N., Engineer

TITLE: Simple Method of Detecting Burned Fuses

PERIODICAL: Energetik, 1959, Nr. 10, p 30, (USSR)

ABSTRACT: To determine a burned fuse, the high-voltage indicator UVN-80 connected by flexible lead with an additional resistance can be applied. When touching the ends of a fuse which is in working order with this appliance, the neon lamp of the indicator does not glow, because the potential difference between the ends is very small. But, just as soon as the ends of a burned fuse are touched, the lamp begins to shine, as the potential difference is, in this case, not under 1.5 U<sub>φ</sub>. The device is very suitable for almost inaccessible places of certain installations. Experience has shown that it can be recommended for use on a wide scale.

Card 1/1

IVAN'KOV, Ye.I., podpolkovnik meditsinskoy sluzhby; LYASAKOV, N.A., podpolkovnik  
meditsinskoy sluzhby; SMIRNOV, V.V., podpolkovnik meditsinskoy sluzhby

Causes for the elimination of students in military flight training  
institutions for health reasons, Voен.-med.zhur. no.3:57-60 Mr '61.  
(MIRA 14:7)

(AVIATION MEDICINE)

ACCESSION NR: AT4001260

S/2668/63/000/013/0139/0140

AUTHOR: Lyash, A. V.

TITLE: Helium atom ionization with excitation

SOURCE: AN LatSSR. Institut fiziki. Trudy\*, no. 13, 1963, 139-140

TOPIC TAGS: helium, helium atom, ionization, helium atom ionization, slow electron, electron scattering, nuclear scattering, electron bombardment

ABSTRACT: This is a companion to the joint article by the author and V. Ya. Veldre (Trudy, Institut fiziki AN LatSSR No. 13, 1963, 135--138) The p-wave is used for the incident electron and the s-wave for the knock-on electron; excitation of the atomic electron from the ground state to the state with  $\lambda = 1$  is considered. The integro-differential equations for the problem are reduced to a system of differential equations and computed with a BESM-2 computer

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ACCESSION NR: AT4001260

under essentially the same assumptions as in the companion paper. Ionization of the helium atom by an incident s-wave with excitation of the atomic electron in the state  $\lambda = 1$  and scattering of the p wave is also considered, and it is shown that the cross section of this process vanishes because of the orthogonality of the wave functions of the system comprising the incident electron and the helium atom. Orig. art. has: 1 figure and 2 formulas.

ASSOCIATION: Institut Fiziki AN LatSSR (Physics Institute AN LatSSR)

SUBMITTED: 00

DATE ACQ: 10Dec63

ENCL: 01

SUB CODE: PH, NS

NO REF SOV: 003

OTHER: 003

Card 2/32

ACCESSION NR: AT4001259

S/2668/63/000/013/0135/0138

AUTHORS: Veldre, V. Ya.; Lyash, A. V.

TITLE: Ionization of the helium atom near the threshold

SOURCE: AN LatSSR. Institut fiziki. Trudy\*, no. 13, 1963, 135-138

TOPIC TAGS: slow neutron, ionization, helium atom, helium atom ionization, ionization effective cross section, ionization cross section, electron capture, electron scattering, nuclear scattering

ABSTRACT: Neglecting exchanges and taking only account of the s-wave for the incident and atomic electrons, the authors reduce the integro-differential equations for the ionization of the helium atom by slow electrons to a system of differential equations. Using an expansion of the Coulomb wave function in Bessel functions and a ground-state atomic wave function for helium as given by L. Schiff (Quantum Mechanics, McGraw Hill, 1955), the authors have calculated

Card 1/12

ACCESSION NR: AT4001259

the cross sections with a BESM-2 electronic computer. The results are compared with experiment and with the calculations of S. Geltman (Phys. Rev. 102, 171, 1956). Orig. art. has: 1 figure and 4 formulas.

ASSOCIATION: Institut fiziki AN LatSSR (Physics Institute AN LatSSR)

SUBMITTED: 00

DATE ACQ: 10Dec63

ENCL: 01

SUB CODE: PH, NS

NO REF SOV: 002

OTHER: 003

Card 2/32



I 12002-66 EWT(1)/EWA(m)-2 IJP(c) AT

ACC NR: AF5022858

SOURCE CODE: UR/0051/65/019/003/0319/0325

AUTHOR: Veldre, V. Ya.; Ivash, A. V.; Rabik, L. I.

ORG: none

41,55 41,55 41,55

51  
B

TITLE: Excitation of neon atoms by electron impact

SOURCE: Optika i spektroskopiya, v. 19, no. 3, 1965, 319-325

TOPIC TAGS: neon, wave function, excitation cross section, electron collision, electron shell

ABSTRACT: Since there are at present no published data on the total effective cross sections for the excitation of neon atoms by electron impact, with account taken of the symmetry of the atomic wave functions, the authors attempt to evaluate the effect of symmetrization of the atomic wave functions in the Born approximation. The total effective excitation cross sections for the neon atoms are obtained under the assumption of IS coupling between the atomic electrons in all the configurations. The choice of a suitable coupling between the optical electron and the electrons of the atomic core was also investigated, since this question has not been treated in detail in the past. Since no Hartree-Fock wave functions are available, the approximate analytical one-electron wave functions for the electron shells were used in the calculations. The total effective excitation cross sections of the unexcited and excited neon atoms were computed for electrons of various energies, and for all terms of the configurations  $(\gamma)2p$ ,  $(\gamma)3s$ ,  $(\gamma)3p$ ,  $(\gamma)4s$ ,  $(\gamma)3d$ ,  $(\gamma)4p$ , and  $(\gamma)5s$ . Plots of the re-

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UDC: 539.186.1 : 546.292

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ACC NR: AP5022858

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sults are presented for the transitions that are most representative of the behavior of the total cross section. Although the calculations were made under the assumption of IS coupling for all the configurations of the neon atom, it is shown that the type of coupling of the momenta greatly changes after the excitation, thereby decreasing the total effective cross sections of the unexcited atoms. Orig. art. has: 6 figures, 11 formulas, and 2 tables.

SUB CODE: 20/    SUBM DATE: 11May64/    ORIG REF: 003/    OTH REF: 004

Card 2/2

L 3384-66 EWT(1)/EWT(m)/EWP(t)/ENP(b) IJP(c) JD

ACCESSION NR: AP5023287

UR/0371/65/000/004/0003/0012

51  
47  
B

AUTHOR: <sup>4/1/55</sup> Veldre, V. (Veldre, V. Ya); <sup>4/1/55</sup> Lasa, T. (Lyash, A. V.); Rabiks, L. (Rabik, L. L.); <sup>4/1/55</sup> Fridkins, L. (Fridkin, L. A.)

21.11.55

TITLE: Total effective cross sections of the excitation of atoms by electron impact in the classical approximation

SOURCE: AN LatSSR. Izvestiya. Seriya fizicheskikh i tekhnicheskikh nauk, no. 4, 1965, 3-12

TOPIC TAGS: collision cross section, excitation cross section, neon, argon, krypton, xenon

ABSTRACT: The problem of the collision of two electrons one of which is revolving around a nucleus, represents the three body problem and can be solved only with great difficulty. Therefore, practical calculations are made by considering the corresponding two body problem. The present article is an attempt to increase the accuracy of the solution within the framework of the two body problem. A table gives a comparison of the excitation cross sections obtained for the neon atom in different approximations and includes a comparison of experimental and

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L 3384-66

ACCESSION NR: AP5023287

theoretical data. The excitation cross sections of neon, argon, krypton, and xenon are given in atomic units. Orig. art. has: 4 formulas and 7 tables

ASSOCIATION: Institut fiziki AN Latv. SSR (Institute of Physics, AN LatSSR)

SUBMITTED: 26Feb65

ENCL: 00

SUB CODE: NP

NR REF SOV: 006

OTHER: 006

Inert gases 21

Card 2/2 *hd.*

CHERNENKO, S.S., inch.; DUBENETS, V.A., inch.; LYASH, I.S., inch.;  
KUNETS, G.O., inch.; POLINSKIY, H.A., inch.

Making a drift with the use of a mine conveyor. Shakht. stroi.  
9 no.6:24-25 Je '65. (MIRA 18:7)

1. Rudnik imeni kominterna, Krivoirozhskiy basseyn (for Chernenko,  
Dubenets, Lyash). 2. Nauchno-issledovatel'skiy gornorudnyy insti-  
tut, Krivoy Rog (for Kunets, Polinskiy).

LYASH, S.

"Wise glass." Znan.ta pratsia no.5:31 ny '59.  
(MIRA 12:10)

(Microscope)

LYASH, S.

Meet the semiconductors ("The key to the sun" by E. Borisov, I. Piatnovii.  
Reviewed by S. Liash). Znan. ta pratsia no. 5:9 My '61. (MIRA 14:5)  
(Solar energy) (Semiconductors)  
(Borisov, E.) (Piatnovii, I.)

LYASH, S.

Miracle in Bologna. Znan. ta pratsia no.8:10-11 Ag '61.  
(MIRA 14:8)

(ITALY--BIOLOGY, 1961)



LYASH, S.

Three surprises brought by chemists. Znan. ta pratsia no.7:11 JI '62.  
(MIRA 15:7)

(Latvia--Agricultural chemicals)

LYASH, S.

New comers of the blue continent. Znan. ta pratsia no.1:18 Ja '63.  
(MIRA 16:3)  
(Bathyscaphe)

LYASHCH, D. Yu.

4

Effect of concentration of aqueous solutions of sucrose and citric acid on the absorption of carbon dioxide. D. Yu. Lyashch. Trudy Vsesoyuz. Tekhnol. Inst. Pishchev. i Kholodil. Prom. 5, No. 2, 129-34 (1953); Referat Zhur. Khim. 1954, No. 33, 540. -- The absorptive capacity of a juice for CO<sub>2</sub> depends on the pressure of the gas above it, temp., and chem. compn. of the juice. The absorptive capacity of sucrose solns. decreases strongly with concn., whereas the absorptive capacity of citric acid soln. increases somewhat with concn. M. Hosh

*M. Hosh*

KAGAN, I.S.; LYASHCH, D.Yu.

Problem of washing grapes in grape juice production. Kons. i ov.  
prom. 13 no.11:17-19 N '58. (MIRA 11:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy  
promyshlennosti.

(Grape juice)

MARKH, A.T.; FEL'DMAN, A.L.; KAGAN, I.S.; LYASHCH, D.Yu.

Improving the quality of preserved cauliflower. Kons. i ov. prom.  
14 no.9:15-17 S '59. (MIRA 12:12)

1.Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy  
promyshlennosti (for Markh, Fel'dman). 2.Ukrainskiy nauchno-  
issledovatel'skiy institut konservnoy promyshlennosti (for Kagan,  
Lyashch).

(Cauliflower--Preservation)

KAGAN, I.S., LYASHCH, D. Yu.

Use of new equipment in the production of grape juice.  
Kons.1 ov.prom. 15 no.4:14-15 Ap '60. (MIRA 13:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy  
promyshlennosti.  
(Grape juice)

MAL'TSEV, M.I.; LYASHKE, P.I.

Testing a new vacuum evaporating assembly. Koms. i ov. prom. 15 no. 11:  
8-11 N '60. (MIRA 13:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promysh-  
lennosti.

(Dzhankoy--Evaporating appliances)

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