

LATIU, E.

Energy of the crystalline net in the process of incongruent fusion
of the silicates in the forming of new silicates. Studii chim
Timisoara 7 no.3/4:335-340 J1-D '60. (EAI 10:9/10)

(Silicates) (Crystallization) (Fusion)

LATIU, E.; CICOARE, Lucia

Some considerations on the structure of alkali silicates. Studii mat
Timisoara 7 no.1/2:49-59 Ja-Je '60. (EEAI 10:4)

(Lithium silicates)
(Potassium silicates)
(Sodium silicates)

LATIU, E.; MIHAI, Fr.; CICOARE, Lucia

Research on the bentonite of the Tomesti-Faget area. Studii mat
Timisoara 7 no.1/2:179-192 Ja-Je '60. (EAI 10:4)
(Rumania--Bentonite)

LATIU, E.

Ion deformations in the lattices of insular silicates depending on their crystalline structure. Studii mat Timisoara 7 no.1/2:225-236
Ja-Je '60. (EBAI 10:4)

(Ions)	(Lattice theory)	(Silicates)
(Borium silicates)	(Kaynite)	(Ziosite)
(Sarcelite)	(Donbassite)	

LATIU, E.; CICOARE, Lucia

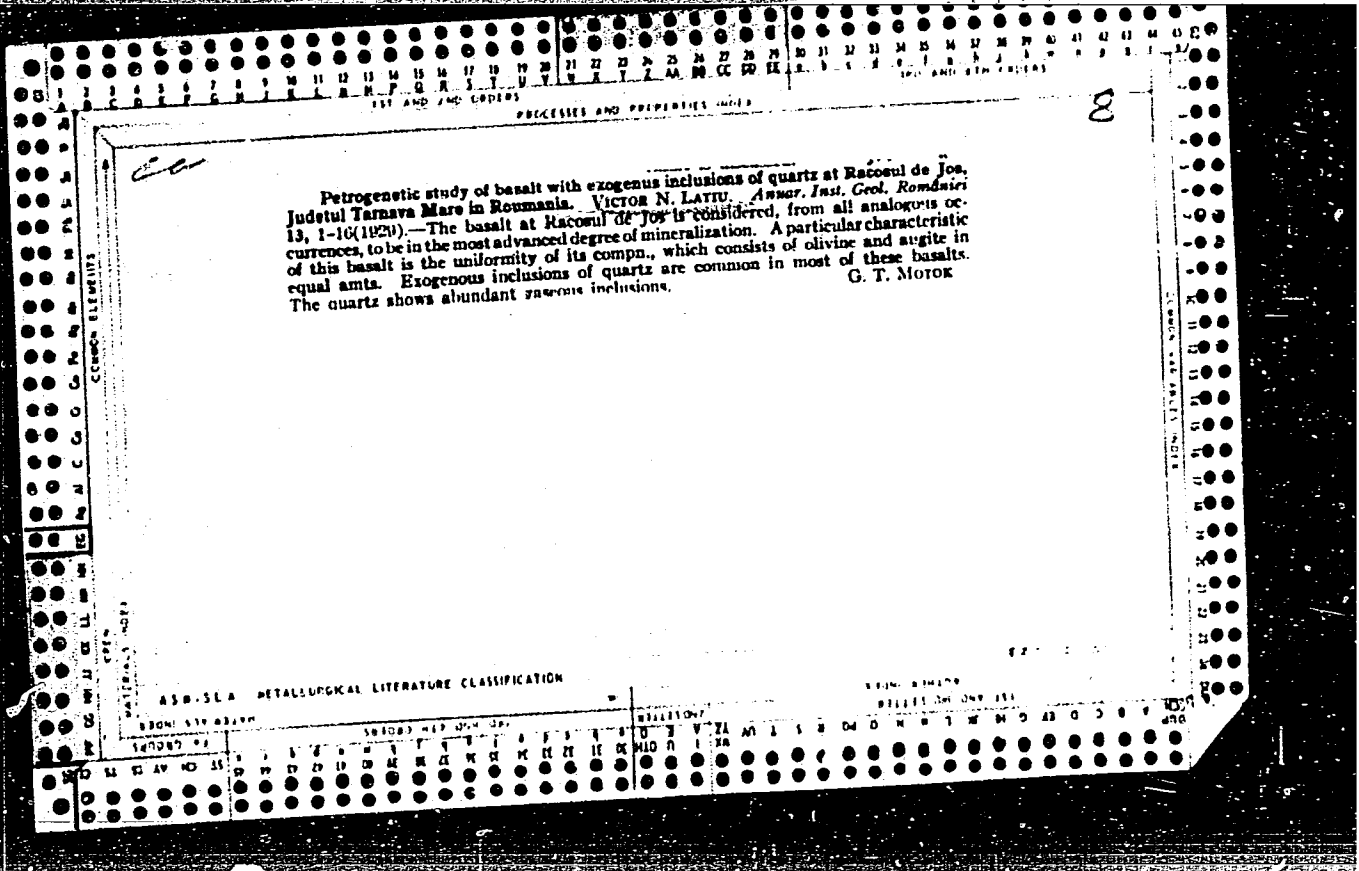
The change adsorption of the indigenous tuffs, bentonites, and diatomites. Studii chim Timisoara 7 no.3/4:341-345 JI-D '60.
(EEAI 10:9/10)

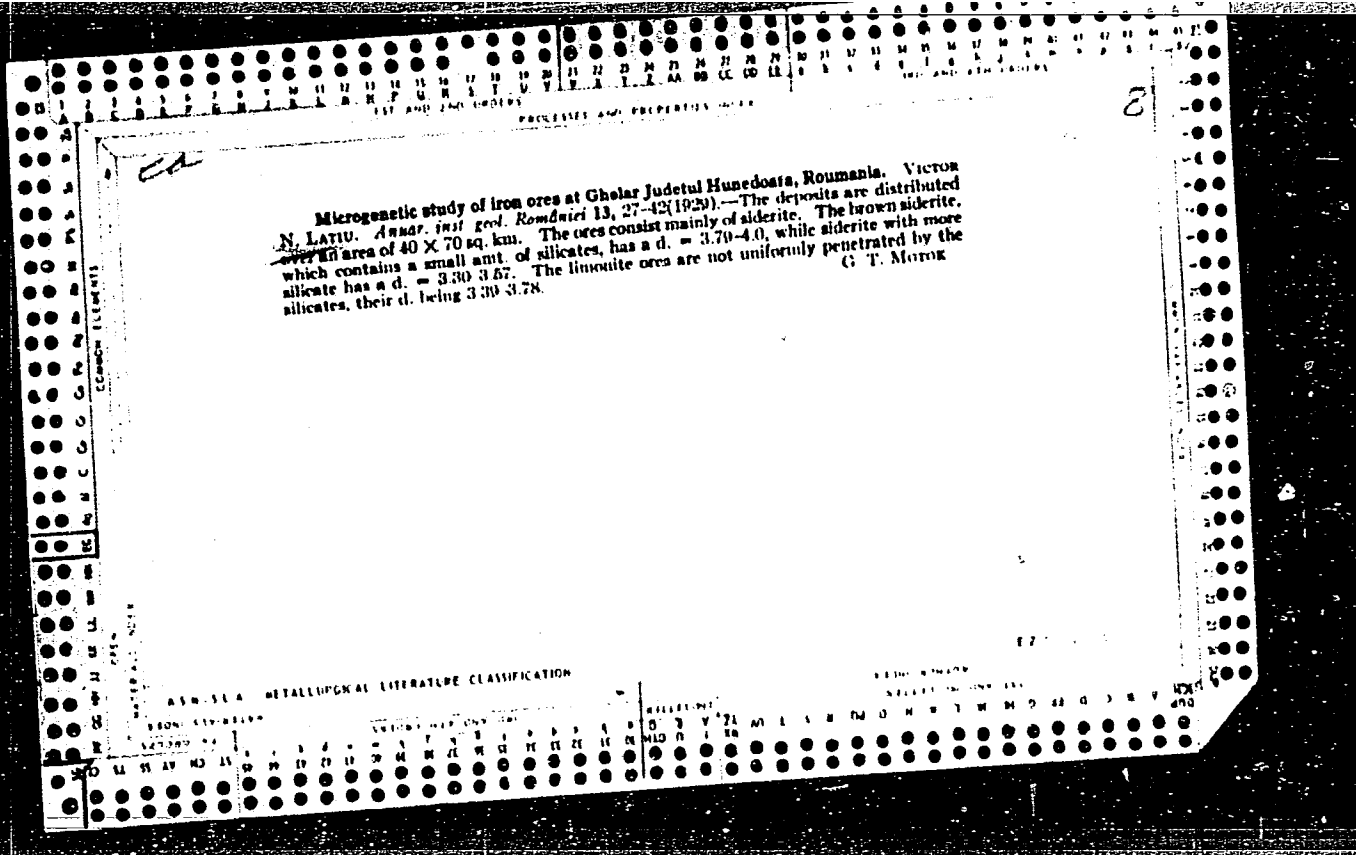
(Rumania—Volcanic ash, tuff, etc.)
(Rumania—Bentonite) (Rumania—Kieselguhr)

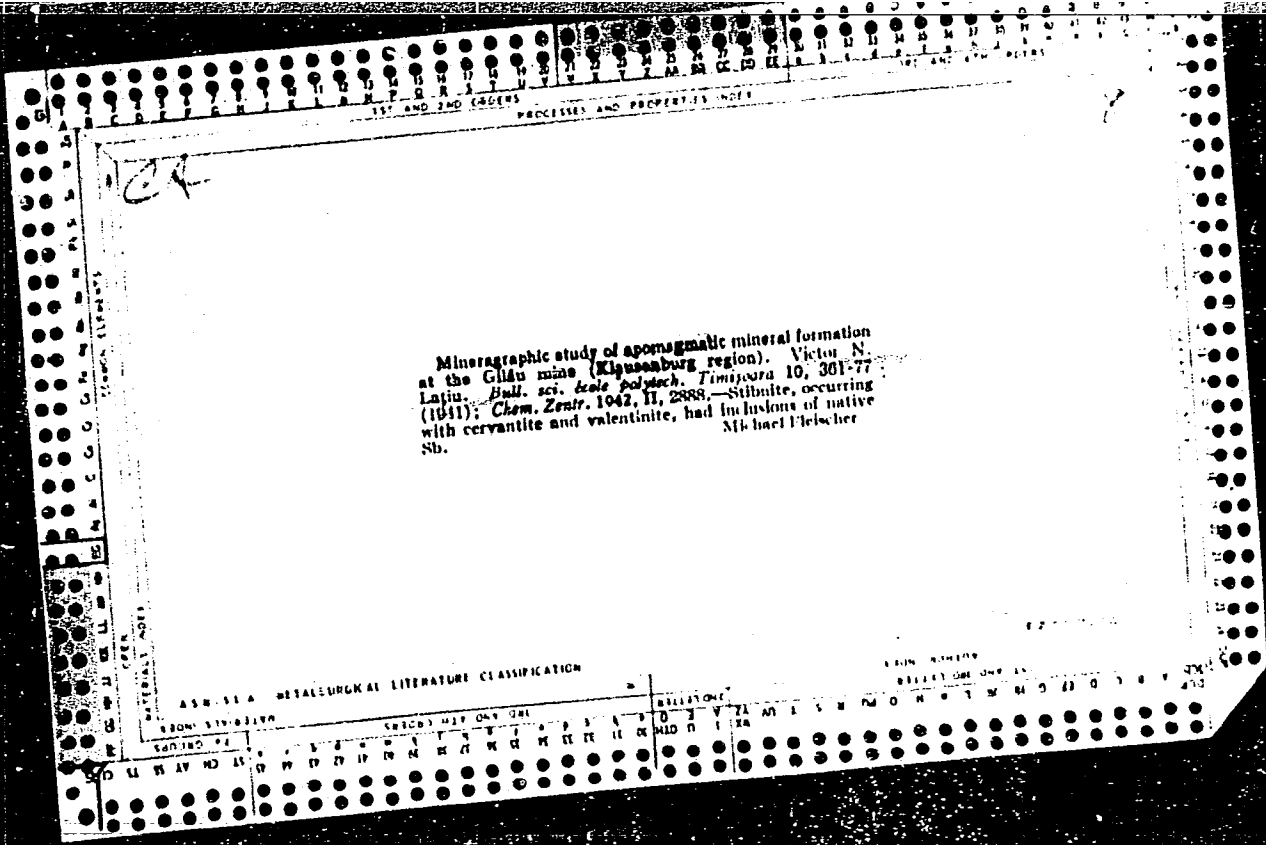
LATIU, E.; MIHAI, F.; CICOARE, Lucia

Studies on some bentonitic soils of the regions of Banat and
Hunedoara. Studii chim Timisoara 8 no.1/2:171-180 Ja-Je (61.

(Rumania--Soils) (Bentonite)







LATIU, VICTOR N.

SCIENCE

LATIU, VICTOR N. Cristalografia fizica (fizica cristalelor). Bucuresti,
Editura Tehnica, 1958. 347 p. NN Not in DIC

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 3, 3
~~May~~ 1959, Unclass.
March

LATIU, V.; ABRAMOVICI, R.; CRISTEA, V.; CICOARE, L.; PASCU, E.

Study of Obreja quartzite in view of its utilization for
silica refractory manufacturing. Bul St si Tehn Tim 9 no.2:
355-359 J1-D '64.

LNKA, Pr., inz.

Kilogram or kilopond? Rudy 22 no. 57 Applied from vyzkumnych ustavu
no. 2:14 My '64.

1. State Publishing House of Technical Literature, Bratislava.

LATKA, H.

3 5
The catalytic properties of mixed oxides of nickel and aluminum. G. Riesencker, H. H. Flügmann, and H. Latka. *Acta Chim. Acad. Sci. Hung.* 18, 45-58 (1959) (in German). — The ability of mixed oxides of Ni and Al, which were prepd. by heating powd. mixts. of NiO and Al₂O₃ at temps. near 400°, to catalyze the decompn. of N₂O was poorer than that of NiO itself though better than that of Al₂O₃. The catalytic activity decreased considerably at temps. above 600°, until 1050° was reached, at which point this decrease leveled off. Surface-area measurements showed a steady decrease in the area with an increase in pre-heat temp. of the mixed oxide prepn., up to 1050°, at which temp. the spinel, NiAl₂O₄, began to form, and above which temp. the surface area decreased even more. X-ray studies of the mixts. failed to detect the presence of active intermediates, but did establish that the spinel began to appear at 1050°, and that its formation was complete at 1400°. It is suggested that the addn. of even parts per thousand of Al₂O₃ to NiO affects the electronic arrangement of the defective conductor, thus decreasing its catalytic activity.
- J. J. Lacey

LATKA, Jan

Determination of the equatorial positions of artificial satellites on the basis of measurements of photoplates and utilizing the spherical angles. Geod i kart 13 no.4:297-309 '64.

LATKA, J.K.

An artificial Earth satellite for geodetic measurements. Postepy
astronom 10 no.4:365-368 O-D '62.

GICHOWICZ, Ludoslaw; LATKA, Kazimierz

The geodetic, geophysical, and astronomical earth
satellites. Przegl geod 35 no.1:4-6 Ja '63.

LATKA, K.

A conference on satellites in Moscow. Postepy astronom 12 no.2:
151-152 '64.

LATKA, S.

Accelerating turnover in the Polish State Railroads. p. 181. (PRZEGLAD KOLEJOWY, Vol. 6, No. 5, May 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

LATKA, V.

GEOGRAPHY & GEOLOGY

LATKA, V. Charcoal burning in Illinsko near Snina. p. 591

Vol. 6, no. 6, 1958

Monthly Index of East European Accessions (EEAI) IC, Vol. 8, No. 4, April 1959

5(2)

AUTHORS:

Sayun, M.G., Tsyb, P.P., Latkher, K.Kh.

SOV/32-24-12-7/45

TITLE:

Separation of Zinc From Indium Using Electrolysis With a Mercury Electrode (Otdeleniye tsinka ot indiya elektrolizom s rtutnym elektrodom)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 12, pp 1436-1439 (USSR)

ABSTRACT:

The possibility of applying the amalgam method in the separation of zinc from indium is shown. This method is widely used analytically and has been applied to the analysis of several metals (Ref 1). In the experiments reported here the experimental apparatus (Table 1) included a mercury or amalgam electrode and a platinum spiral as the second electrode. The electrodes were separated by a distance of 3 cm and the electrolyte volume was 80 ml. The zinc determination was carried out using the volumetric ferrocyanide method and the radiometric method using radioactive Zn^{65} isotopes with a half-life period of 250 days. Indium was determined polarographically. A MS-7 counter was used in the radiometric determination. Several polarograms (Fig 2) are given to explain the possibility of separating zinc from indium electrolytically as in the present experiments. From the experimental results obtained it may be concluded that a

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SOV/32-24-12-7/45

Separation of Zinc From Indium Using Electrolysis With a Mercury Electrode

separation of zinc from indium is possible in an anodic polarization, i.e. in electrolytic decomposition. A table of experimental results shows that at 20° 8.1% of the 9% of zinc in the amalgam goes into solution after 5 minutes, while with an increase in temperature to 80° the entire amount of zinc present goes into solution. An increase in the indium concentration in the amalgam makes the zinc dissolution more difficult. An analytical procedure was worked out according to the results of the studies made.- There are 3 figures, 1 table, and 1 Soviet reference.

ASSOCIATION: Gorno-metallurgicheskiy institut tsvetnykh metallov
(Mining-Metallurgical Institute for Nonferrous Metals)

Card 2/2

MISHIN, I.A., kandidat tekhnicheskikh nauk; LATTIN, A.N., redaktor;
TSYRIN, A.A., redaktor; VOZLAGINA, S.D., tekhnicheskiy redaktor

[Metal cutting in agricultural machinery repair] Obrabotka metallov
rezaniem v sel'skokhoziaistvennom remontnom proizvodstve. Moskva,
Gos. izd-vo selkhoz. lit-ry, 1953. 182 p. [Microfilm] (MLBA 7:10)
(Metal cutting) (Agricultural machinery--Repairing)

MOZHAYEV, V.N., dotsent, kandidat tekhnicheskikh nauk; LATKIN, A.N.,
redaktor [deceased]; TSYRIN, A.A., redaktor; VCHUGAYINA, S.D.,
tekhnicheskij redaktor

[Electric equipment for tractors and automobiles] Elektrooborudovanie
traktorov i avtomobilei. Izd. 3., perer. i dop. Moskva, Gos. izd-vo
selkhoz. lit-ry, 1954. 360 p. (MLRA 7:10)
(Automobiles--Electric equipment)
(Tractors--Electric equipment)

L 57748-65 EWT(m)/EWP(j)/T Pc-4 RM

ACCESSION NR: AP5016787

UR/0286/65/000/010/0120/0120
629.11.012.52.3

AUTHOR: Latkin, B. M.; Stolyarova, L. A.

17
B

TITLE: Pneumatic tire for wheeled vehicles. Class 63, No. 171280

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 120

TOPIC TAGS: tire, tire stud

ABSTRACT: An Author Certificate has been issued for a pneumatic tire containing metal studs in its tread (see Fig. 1 of the Enclosure). This increases the tire's traction on wet and icy roads and decreases tread wear. The studs consist of rubberized metal cord rolled into spirals and are radially placed in the tread. Orig. art. has: 1 figure.

[WH]

ASSOCIATION: none

SUBMITTED: 05May64

ENCL: 01

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4040

Card 1/2

L 57748-65

ACCESSION NR: AP5016787

ENCLOSURE: 01

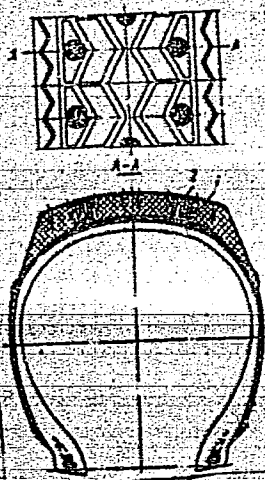


Fig. 1. Cross section of a tire with metal studs

1 - Tread; 2 - studs.

Card *SOP*
2/2

LATKIN V.

BASKAKOV, P., (g. Gor'kiy); ABRAMYAN, S.; MURACHEV, I., predsedatel' soveta radiokluba; KOCHEGAROV, N., nachal'nik radiokluba; LATKIN, V., predsedatel' soveta radiokluba; SHISHUKOV, P., rukovoditel' konstruktorskoy seksii kluba; BARBIN, G., chlen radiokluba; BUDANTSOV, V., predsedatel' soveta radiokluba; GODUNOV, P., nachal'nik radiokluba; TEVELEV.

Provide parts for radio amateurs. Radio no.12:14-17 D '53. (MLRA 6:12)

1. Nachal'nik radiokluba Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Baskakov). 2. Nachal'nik Vil'nyus-kogo radiokluba Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Tevelev).

(Radio--Apparatus and supplies)

VERTYSHEVA, N.S.; LATKIN, V.F.; PROKHOROVA, A.A.; YEFIMOVA-SYAKINA, E.M.;
PARASHCHENKO, S.F., kand.istor.nauk, red.; TRUBITSYNA, A.N.,
kand.istor.nauk, red.; PLOTNIKOV, A.M., red.; KHLOBORDOV, V.I.,
tekhn.red.

[Collectivization of agriculture on the Kuban; collection of
documents and materials] Kollektivizatsia sel'skogo khoziaistva
na Kubani; sbornik dokumentov i materialov. Krasnodar, Krasno-
darskoe knizhnoe izd-vo. Vol.1. 1918-1927 gg. 1959. 201 p.
(MIRA 13:3)

1. Kommunisticheskaya partiya Sovetskogo Soyuz. Krasnodarskiy
krayevoy komitet. Partiyay arkhiv.
(Kuban--Agriculture, Cooperative)

LATKINA, O.A.; TOPCHYEVA, O.I.

Significance of a cytological method in the detection of early stages of cancer of the cervix uteri at a gynecological consultation center. Akush. i gin. 36 no.3:47-50 My-Je '60. (MIRA 13:12)
(UTERUS—CANCER)

IATKO, T.D.; MATAYEV, G.A.; IZMAYLOV, L.B.

Geological structures in connection with the tapping of fractured carbonate layers and the completion of wells. Geol. nefti i gaza 4 no.5:42-45 My '60. (MIRA 13:9)

1. Dagestanskiy sovaarkhoz.
(Petroleum geology)

IATKO, T.D.; IZMAYLOV, L.G.; MATAYEV, G.A.

Causes of casing breakdown and collapse. Neftianik 6 no.3:12-13
Mr '61. (MIRA 14:10)

1. Sotrudniki Tsentral'noy nauchno-issledovatel'skoy laboratorii.
(Oil well casing)

LATKOV, N.M.; DROZDOV, N.G.

Improvement of technological processes in stamping bicycle gears.
Prom.energ. 18 no.1:11 Ja '63. (MIRA 16:4)
(Gear cutting)

LATKOVIC, Ivan, dr.; CECUK, Ljubo, dr.; SIMONOVIC, Ivan, dr.; RADOSEVIC,
Zdenko, dr.

Scintigraphy of the kidney. Liječn. vješt. 87 no.8:879-886 Ag '65.

1. Iz Interne klinike i Kirurske klinike Medicinskog fakulteta
Sveucilista u Zagrebu.

LATKOVICS, G.,

"Remarks about Imre Gorog's article Organization and Territorial Placing of Field Brigades in Production Cooperatives in Connection with the Introduction of Grassy Crop Rotation"

P. 159

(AGRARTUDOMANY, Vol. 5, No. 5, May 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 7, July 1953, Uncl.

DEBRETSENY, B. [Debreceni, B.]; DEBRETSENY, B. [Debreceni, B.]; LATKOVICH, D.

Results of some comparative tests in combined mineral fertilizers in Hungary. Zemljiste biljka 11 no. 1/3:481-484 '62.

1. Nauchno-issledovatel'skiy institut pochvovedeniya i agrokhemii AN Vengrii, Otdeleniye udobreniy, g. Budapesht.

LATKOVICH, I. [Latkovics, I.]; DERD'NEY, [Gyorgyne]

Effect of fertilizers on the metabolism of the Hungarian
Martonvasar 5 hybrid maize. Zemljiste biljka 11 no.1/3:
349-351 '62

1. Nauchno-issledovatel'skiy institut pichvovedeniya i agro-
khemii AN Vengrii, g. Budapesht.

LATKOVICS, Gyorgyne

Data on the fertilization of corn(maize). III. Effect of the fertilization on the nutritious substances of the Mv-5 hybrid corn(maize).
Agrokem talajtan 10 no.4:451-464 D '61.

1. Magyar Tudományos Akademia Talajtani es Agrokemiai Kutato Intezete,
Budapest.

LATKOVICS, Gyorgyne

"Agricultural chemistry" by A. G. Shestakov. Reviewed by Mrs. Gyorgy
Latkovics. Agrokem talajtan 10 no.4:575-576 D '61.

SZABOLCS, Istvan; LATKOVICS, Gyorgyne

Fertilization of Hungary's alkali soils. I. The effect of fertilization on the yield of oats grown on solonets-type meadow soils. Agrokem talajtan 2 no.1:73-80 Mr '62.

1. Magyar Tudomanyos Akademia Talajtani es Agrokemiai Kutato Intezete, Budapest. 2. "Agrokemia es Talajtan" fozszerkesztoje (for Szabolcs).

LATKOVICS, Gyorgyne

Fertilization of Hungary's alkali soils. II. Changes in the nutrient content and nutrient circulation of oats as affected by fertilization. Agrochem talajtan 2 no.1:81-88 Mr '62.

1. Magyar Tudományos Akademia Talajtani es Agrochemiai Kutato Intezete, Budapest.

LATKOVICS, Gyorgyne

Data on the fertilization of maize. IV. Agrochem talajtan 11
no.2:185-190 Js '62.

1. Magyar Tudományos Akademia Talajtani es Agrochemiai Kutato
Intezete, Budapest.

LATKOVICS, Gyorgyne

Data on the fertilization of corn (maize). II. Agrokem talajtan
9 no.4:479-490 '60.

1. Magyar Tudományos Akademia Talajtani es Agrokemiai Kutato
Intezet, Budapest.

LATKOVICS, Gyorgyne

Data on the problems of the use of phosphorus fertilizers. I.
Agrokem talajtan 12 no.1:3-10 Mr '63.

1. Magyar Tudományos Akademia Talajtani es Agrokemial
Kutato Intezete, Budapest.

LATKOVICS, Gyorgyne; MATE, Ferenc

Testing the effect of various nitrogen fertilizers on acid and alkali soils in pot experiments. Agrochem talajtan 12 no.3:397-406
0 '63.

Application of radioactive isotopes in the determination of the availability of phosphorus nutrients. Pt. 2. 439-450

1. Magyar Tudomanyos Akademia Talajtani es Agrochemiai Kutato Intezete, Budapest.

LATKOVICS, Gyorgyne; MATE, Ferenc

Data on the nutrient uptake of young maize plants. Agron
talajtan 12 no.4:537-548 B 1963.

1. Research Institute of Soil Science and Agrochemistry,
Hungarian Academy of Sciences, Budapest.

SZABOLCS, Istvan, dr.; LATKOVICS, Gyorgyne

Application in small amounts of calcium and nitrogen containing ameliorating substances on irrigated alkali sods. Agrokem talajtan 13 no.1/2:73-84 J1 '64.

1. Research Institute of Soil Science and Agrochemistry of the Hungarian Academy of Sciences, Budapest. 2. Chief Editor, "Agrokemia es Talajtan" (for Szabolcs).

KRAMER, M.; LATKOVICS, I.

Questions of applying fertilizers to winter wheat growing in the most important soil types of Hungary. Agrokem talajtan 13 Suppl.:101-108 My '64.

1. Research Institute of Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest.

LATKOVICS, I.

Questions of applying fertilizers to maize growing in the most important soil types of Hungary. Agrochem talajtan 13 Suppl.:117-122 My '64.

1. Research Institute of Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest.

GULBIS, M.G.; LATKOVSKA, S.A.

Xeroderma pigmentosum. *Pediatrics* 42 no.1:76-78 Ja'63.
(MIRA 16:10)

1. Iz kafedry detskikh bolezney (zav. M.D.Kurbatova) Rizh-
skogo meditsinskogo instituta i Rizhskoy detskoy klinicheskoy
bol'nitsy (glavnyy vrach T.R.Chems)
(SKIN--DISEASES) (CHILDREN--DISEASES)

LATKOWSKI, Bozydar

Abscesses of the tongue. Pol. tyg. lek. 18 no.41:1529-1532
7 0 '63.

1. Z Kliniki Otolaryngologicznej AM w Lodzi; kierownik: prof.
dr med. A. Radziminski.
(TONGUE) (ABSCESS) (PENICILLIN)
(VACCINE THERAPY)

LATKOWSKI, Bozydar

Views on the role of paranasal sinuses. Pol. tyg. lek. 19
no.31:1206-1209 3 Ag'64

1. Z Kliniki Oto-laryngologicznej Akademii Medycznej w Lodzi;
kierownik: prof. dr. med. A. Radziminski.

LATKOWSKI, Bozydar; PUZIO, Stanislaw

Studies on the mechanical endurance of human skull bones.
Pat. Pol. 16 no.38331-337 JI-S '65.

1. Z Kliniki Otolaryngologicznej AM w Lodzi (Kierownika prof.
A. Radziminski) i z Oddzialu Glosnego Mechanika Zakladu
Chemicznego "Boruta" w Zgierzu (Kierownika S. Puzio).

LATKOWSKI, Bozydar

Nasal tamponade with rubber bulbs. Otolaryng. Pol. 18 no.1:
161-162 '64.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Lodzi
(Kierownik: prof. dr med. A. Radziminski).

LATKOWSKI, Bozydar; OKON, Janusz

Some statistical data on malignant neoplasms of the larynx
in Poland during the years 1956-1961. Otolaryng. Pol. 19
no.1:119-124 '65.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Lodzi
Kierownik: prof. dr. med. A. Radziminski).

LATKOWSKI, Bozydar

On the mechanism of rupturing of the posterior wall of the frontal sinus in trauma. Otolaryng. Pol. 19 no.2:205-208 '65.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Lodzi (Kierownik: prof. dr. med. A Radziminski).

LATKOWSKI, Jozef, mgr inż.

Cooling stores and freezing plants for fruits. Przegl techn
no.46:9, 12 18 N '62.

1. Centralny Ośrodek Chłodnictwa, Kraków.

L'OVKIN, V.G. [L'ovkin, V.H.]; LATMAN, M.Ye. [Latman, M.E.]

Hoisting machine for the transport of shoes. Leh. prcm. no.2:
62-63 Ap-Je '63. (MIRA 16:7)

1. Nikolayevskiy kozhevenno-obuvnoy kombinat.
(Shoe industry) (Conveying machinery)

SOLNYSHKOV, A. I. ; KOMAROV, V. P. ; KUZNETSOV, V. S. ; ABROYAN, M. A. ; IVANOV, N. F.
ZHELEZNIKOV, F. G. ; ROYFE, I. M. ; ZAELOTSKAYA, G. R. ; IVLEV, I. V. ; LATMANISOVA, G. M.
and GERASIMOV, V. P.

Current Injector for a Strong Focussed Linac.

report presented at the Intl. Conf. on High Energy Accelerators, Dubna, August 1963.

LATMANIZOV, M.V.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Kostenko, M.P. <u>Latmanizov, M.V.</u> Urusov, I.D. Ivanov, V.I. Ryzhov, P.I. Sokolov, T.H. Semenov, V.V. Zherebin, F.I.	"An Electrodynamic Model of a Power System"	Institute of Automatics and Telemechanics, Academy of Sciences

SO: W-30604, 7 July 1954

VINOGRADOV, Nikolay Vladimirovich; LATMANIZOV, M.V., dots., retsenzent;
TIMOKHINA, V.I., red.; VORONIN, K.P., tekhn. red.

[Manufacture of electric machinery] Proizvodstvo elektricheskikh
mashin. Moskva, Gos.energ.izd-vo, 1961. 319 p. (MIRA 15:2)

1. Leningradskiy politekhnicheskii institut im. M.I.Kalinina
(for Latmanizov).

(Electric machinery--Design and construction)

L 59241-65 EWT(m)/EPA(w)-2/EWA(m)-2 Pt-7 IJP(c) GS

ACCESSION NR: AT5007937

S/0000/64/000/000/0507/0512

6
59
81

AUTHOR: Abroyan, M. A.; Gerasimov, V. P.; Zheleznikov, F. G.; Zablotskaya, G. R.; Ivanov, N. E.; Ivlev, A. V.; Komarov, V. L.; Kuznetsov, V. S.; Latmanizova, G.M.; Royfe, I. M.; Solnyshkov, A. I.

TITLE: High-current injector of a linear accelerator with strong focusing

SOURCE: International Conference on High Energy Accelerators. Dubna, 1963. Trudy. Moscow, Atomizdat, 1964, 507-512

TOPIC TAGS: linear accelerator, strong focusing accelerator, electron optics

ABSTRACT: Conditions governing injection in linear proton accelerators determined the requirements on the ion beam, which were of the following order: energy, 700 keV; beam current, 400 milliamperes; beam diameter, 10 millimeters; pulse duration, 10-15 microseconds; energy stability, 0.5%; angular divergence, $\pm 5 \cdot 10^{-3}$ radian. The principal difficulties occur in the development of a system for producing and forming an ion beam with a large current from a powerful stabilized high-voltage source. For particle energy of 700 keV, a variation of the open machine is chosen which ensures good operational characteristics. In the case of large currents, the effect of the beam's spatial charge is substantial and must be taken into account. It

Card 1/8

L 59241-65

ACCESSION NR: AT5007937

3
considerably complicates the design of the ion-optical system. Experimental testing of the selected version of the optical system for a proton beam with a current of the order of 0.5 amperes confirmed the correctness of the theoretical conclusions and indicated the possibility of producing a proton injector with the above parameters. The author discusses the following topics: design of a system for forming the beam; the experimental setup (injector power supply, high-voltage stabilized power supply circuit, ion source, and current characteristics); the results of the measurements (e.g. current density distribution over tube cross-section). "In conclusion, the author thanks I. F. Nalyshev for his constant interest and cooperation during the work, and also R. P. Zaytseva for doing the computer calculations." Orig. art. has: 8 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury imeni D. V. Yefremova GKAE SSSR (Scientific-Research Institute of Electrophysical Equipment, GKAE SSSR)

Card 2/3

L 59241-65

ACCESSION NR: AT5007997

SUBMITTED: 26May64

ENCL: 00

SUB CODE: NP

NO REF SOV: 003

OTHER: 002

llc
Card 3/3

LATMANIZOVA, L.V.

Vvedenskiĭ's principles governing the electrical activity of excitable units. Vest. IGU 2 no.4:135-138 Ap '47.

(MIRA 12:9)

(NERVOUS SYSTEM) (ELECTROPHYSIOLOGY)

LATMANIZOVA, L.B., doktor biol. nauk

Current status of the theory of accomodation. Vest. LGU 2
no.6:63-86 Je '47. (MIRA 12:9)
(Electrophysiology)

LATMANIZOVA, L.V., doktor biologicheskikh nauk.

Action of cancerogenic substances on nerves. Nauch. biul. Len. un.
no.24:36-40 '49. (MLRA 10:3)

1. Fiziologicheskii institut im. akademika A.A. Ukhtomskogo.
(CARCINOGENS) (NERVES)

LATMANIZOVA, L.V.

Role of a stationary component in a single attack of excitation.

Uch. zap. Len. un. no.99:58-87 '49.

(MLRA 10:2)

1. Iz Laboratorii fiziologii nervno-myshechnoy sistemy
Fiziologicheskogo instituta Leningradskogo gosudarstvennogo
universiteta.

(NERVES) (ELECTROPHYSIOLOGY)

LATMANIZOVA, I.V.

Multiple activity of single nervous fibers. *Izv. Akad. nauk SSSR.*
Ser. biol., Moskva No.3:110-119 May-June 50. (CLML 19:4)

1. Laboratory of the Physiology of the Neuro-Muscular System of the
Physiological Institute, Leningrad State University.

LATMANIZOVA, L. V.

Physiological mechanism of tetanized isolated contraction.
Fiziol. zh. SSSR 38 no. 2:235-246 Mar-Apr 1952. (GLML 22:3)

1. Department of Physiology and Anatomy, Leningrad Pedagogic
Institute imeni M. N. Pokrovskiy.

LATMANIZOVA, L.V.; RAKOV, A.I.; IVANOV, G.G.; MEL'NIKOV, R.A.; MONOSOVA, F.Ye.

Physiological study of functional peculiarities of the human nervous system in cancer of the stomach. Biul. eksp. biol. i med. 41 no.3: 18-22 Mr '56. (MLRA 9:7)

1. Iz kafedry fiziologii i anatomii (zav.-prof. L.V.Latmanizova) Pedagogicheskogo instituta, 2-go khirurgicheskogo otdeleniya (zav.-prof. A.I.Rakov) i klinicheskoy laboratorii (zav. G.G.Ivanov) Instituta onkologii AMN SSSR, Leningrad. Predstavlena deystvitel'nyy chlenom AMN SSSR N.N.Petrovym.

(STOMACH, neoplasms

electrocorticography in)

(ELECTROENCEPHALOGRAPHY, in various dis.

electrocorticography in cancer of stomach)

• LATMANIZOVA, Lyudmila Vladimirovna

[Method for the study of the accommodation of irritable tissues]
Metodika issledovaniia akkomodatsii vozbudimyykh tkanei. Lenin-
grad, Medgiz, 1959. 81 p. (MIRA 13:7)
(TISSUES)

LATMANIZOVA, L.V.

Intracellular potentials of epithelial tissue. . Fiziol.zhur.
45 no.6:710-715 Je '59. (MIRA 12:8)

1. From the department of physiology and anatomy, A.I.Herzen
Paedagogical Institute, Leningrad.

(EPITHELIUM

intracellular potentials of epithelial
tissue (Rus))

BEREZINA, Mariya Pavlovna; VASILEVSKAYA, Natal'ya Yefimovna; AVERBAKH, Mikhail Solomonovich; VETYUKOV, Ivan Alekseyevich, dots.; GOLIKOV, Nikolay Vasil'yevich; GULYAYEV, Pavel Ivanovich; ZHUKOV, Yevgraf Konstantinovich; LATMANIZOVA, Lyudmila Vladimirovna; MAKAROV, Petr Osipovich; NIKITINA, Iya Pavlovna; SPERANSKAYA, Yekaterina Nikolayevna; VASIL'YEV, L.L., prof., red.; PEREDEL'SKAYA, N.M., red.; PARSADANOVA, K.G., red. izd-va; GRIGOR-CHUK, L.A., tekhn. red.

[Comprehensive laboratory manual of human and animal physiology] Bol'shoi praktikum po fiziologii cheloveka i zivotnykh. Izd.2., ispr. 1 dop. Moskva, Gos. izd-vo "Vyshaia shkola," 1961. 674 p. (MIRA 14:8)
(PHYSIOLOGY—LABORATORY MANUALS)

LATMANIZOVA, Lyudmila Vladimirovna, prof.; CHERKASOVA, V.I., red. izd-
va; YEZHOVA, L.L., tekhn. red.

[Physiological mechanisms of malignant tumor growth; micro-
electrophysiological studies of epithelial tissue] Fiziologi-
cheskie mekhanizmy zlokachestvennogo opukholevogo rosta; mikro-
elektrofiziologicheskie issledovaniia epitelial'noi tkani. Mo-
skva, Gos. izd-vo "Vysshaya shkola," 1962. 77 p. (MIRA 15:5)
(ELECTROPHYSIOLOGY) (EPITHELIUM) (CANCER)

BALABANOVA, T.Ye.; LATMANIZOVA, L.V., prof., nauchnyy rukovoditel' raboty

Problem of waveless spatial effects. Uch. zap. Ped. inst. Gerts.
239:77-83 '64. (MIRA 18:3)

1. Zaveduyushchaya kafedroy fiziologii i anatomii Leningradskogo gosudarstvennogo pedagogicheskogo instituta imeni Gertsena (for Latmanizova).

BARABANOVA, V.V.; LATMANIZOVA, L.V., prof., nauchnyy rukovoditel' raboty

Microelectrophysiological analysis of the acetylcholine effect on
the skeletal muscle of frogs. Uch. zap. Ped. inst. Gerts. 239:
85-88 '64. (MIRA 18:3)

1. Zaveduyushchaya kafedroy fiziologii i anatomii Leningradskogo
gosudarstvennogo pedagogicheskogo instituta imeni Gertsena (for
Latmanizova).

BARANOVA, L.V.; LENKOV, D.N.; LATMANIZOVA, L.V., nauchnyy rukovoditel' raboty

Microelectrophysiology of the heart of a frog. Uch. zap. Ped. inst.
Gerts. 239:89-91 '64. (MIRA 18:3)

1. Zaveduyushchaya kafedroy fiziologii i anatomii Leningradskogo
gosudarstvennogo pedagogicheskogo instituta imeni Gertsena (for
Latmanizova).

LAISANIZOVA, Lyudmila Vladimirovna; CHERKASOVA, V.I., red.

[Lectures on the physiology of the nervous system] Lektsii
po fiziologii nervnoi sistemy. Moskva, Vysshaia shkola,
1965. 311 p. (MIRA 18:5)

L 28052-66

ACC NR: AP6018172

SOURCE CODE: UR/0239/65/051/006/0663/0669

AUTHOR: Latmanizova, L. V.

ORG: Department of Physiology and Anatomy, Pedagogical Institute im.

A. I. Gertsen, Leningrad (Kafedra fiziologii i anatomii Pedagogicheskogo instituta)

TITLE: Interrelations between cell potentials and physiological parameters of tissue

SOURCE: Fiziologicheskii zhurnal, v. 51, no. 6, 1965, 663-669

TOPIC TAGS: neurophysiology, muscle physiology, cell physiology

ABSTRACT: Experimental results obtained by the author and co-workers in research conducted in 1949-1964 on alterations in nerve and muscle fibers of frogs produced by KCl solutions of various concentrations are reviewed. It was established that changes in the cell potential were associated with changes in the maximum and optimum frequencies of wave stimulation, in the parameter of accommodation, and in the threshold of rhythmic wave excitation. Furthermore, all of these changes took place according to relations corresponding to the theory of parabiosis. It is brought out that the cell potential constitutes a general index of the physiological characteristics and functional capacity of living cells which reflects changes in the vitality of cells and functional differentiation of tissues occurring in the course of ontogenesis and phylogenesis. Orig. art. has: 5 figures. [JPRS]

SUB CODE: 06/ SUBM DATE: 08Jul64/ ORIG REF: 009/ OTH REF: 005

Card

1/1 CC

UDC: 612.815.2+612.813

LATOMSKI, T.

Speeding up of the curing of concrete with the help of the electric current.

p. 77.

(PRZEGLAD BUDOWLANY. Vol. 28, no. 2, Feb. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

SOV/81-59-19-67470

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 19, p 84 (USSR)

AUTHORS: Fedoseyev, V.O., Latonina, L.P.

TITLE: The Problem of Stability of Aerosols

PERIODICAL: Tr. Odessk. un-ta. Ser. fiz. n., 1958, Vol 148, Nr 6, pp 53 - 57
(Ukrainian)

ABSTRACT: The effect of the weight concentration of an aerosol obtained by the sublimation of dry NH_4Cl on its stability and the calculated concentration n has been investigated. n reaches a maximum ($\sim 20,000$ particles in 1 cm^3) at $m 10.5 \text{ mg/l}$. The stability of the aerosol in this case is also at a maximum. At greater m flocculation of the particles is observed with the formation of threads and intensified sedimentation of the particles.

B. Kaplan

Card 1/1

31298
S/124/61/000/010/033/056
D251/D301

11-7350

AUTHORS:

Latonina, L.P., Fedoseyev, V.A. and Polishchuk, D.I.

TITLE:

Experimental investigation of the combustion of drops of certain fuels in a current of hot air

PERIODICAL:

Referativnyy zhurnal. Mekhanika, no. 10, 1961, 85, abstract 10 B606 (Pratsi Odes'k un-tu, Ser. fiz. n., Tr. Odessk. un-ta, Ser. fiz. n., 1960, 150, no. 7, 85-96)

TEXT:

The combustion of drops of benzene, kerosene, liquid T-P (T-R) and iso-octane of dimensions 1 - 2.5 mm is investigated by two methods: The kino-surveying of an enlarged drop, burning on a thin platinum support, and by creating "stationary drops". For the latter, a small porous ceramic sphere is used, onto which the necessary amount of fuel is continuously applied by means of a syringe. In both cases particular attention is paid to the instant when the flame separates from the frontal point of the drop. The

Card 1/2

X

31298

S/124/61/000/010/033/056
D251/D301

Experimental investigation...

results obtained by both methods coincide. At a definite velocity of the air, the flame separates from the drop. For a further increase in velocity it moves away still further becoming smaller all the time, although without vanishing completely. The velocity at which the flame separates from the drop increases with the increase in diameter of the drop and temperature, and depends on the type of fuel. [Abstracter's note: Complete translation]

Card 2/2

X

S/124/62/000/005/026/048
D251/D308

AUTHORS: Fedoseyev, V.A., Polishchuk, D.I., and Latonina, L.P.

TITLE: The effect of the ignition conditions on the kinetic combustion of a drop of fuel

PERIODICAL: Referativnyy zhurnal. Mekhanika, no. 5, 1962, 101, abstract 5B653 (Nauchn. Yezhegodnik, Odessk. un-t, Fiz. matem. fak. i. N. -i. in-t Fiz. no. 2, Odessa, 1961, 191 - 195)

TEXT: It was shown experimentally that the velocity of combustion of a drop with a current of air blowing round it depends on the means of ignition and the position of the flame front with respect to the drop. The ignition was studied with the aid of a burner and of an electric spark both with the drop completely enveloped by the flame and with it half-enveloped. In both cases the velocity of combustion was greater with ignition from the burner. 4 references. [Abstractor's note: Complete translation]. ✓

Card 1/1

LATONINA, L.P.Ukrayins'kyy fizichnyy zhurnal, v. 8, no. 4, Apr. 1963, 498-500.
S/185/63/008/004/015/015

15

A scientific conference devoted to problems of evaporation, combustion, and gas dynamics of dispersed systems was held at Odessa State University imeni I. I. Mechnikov from 1 to 6 October 1962.

Sixty-five papers were presented, 24 of which dealt with the theory and practice of production and stability of aerosols and the effect on these processes of various physicochemical factors; the other 31 were working processes in combustion chambers of various power plants. Some of the titles were "Investigating oxidation processes of high hydrogenous fuels by oxygen from compressed air," S. S. Kramarenko; "Burning of metal suspension in hydrocarbon fuels," D. I. Polishchuk, L. P. Latonina, and V. L. Yankevich; and "Experimental investigation of two-phase flow in axially-symmetrical nozzles," G. A. Komov. Included also were discussions of the methods of solving equations of dissociating gas flow in ducts and gas dynamic calculations for jet engines, G. A. Varshavsky, E. Ya. Guber, and A. P. Kisel'ov; the formation of plane shock waves in shock tubes and passage of shock waves through a flame front, D. V. Fedoseyev, G. D. Sadamandr, and I. K. Sevast'yanova; experimental results on the flow of combustion products of a methane-oxygen mixture around cambered surfaces with diffraction of detonation waves, L. G. Gvozd'ova; the stability of a steady-state flame front S. K. Aslanov; the relationship between the flame and the diameter of a burning drop, V. O. Fedoseyev; and theoretical and experimental investigation of burning of spherical metal particles, by L. A. Klyachko.

[AS]

Card 2/2

D 25012-65 EPA/EWP(s)/EPA(s)-2/EWT(m)/EPP(c)/EWA(d)/EPR/EPA(w)-2/EWP(j)/T/EWP(t)/
 EWP(k)/EWP(b) Pc-l/Pf-l/Pr-l/Ps-l/Pt-10/Paa-l/Pab-10 IJP(c)/RPL RWH/JD/WW/
 JW/WB/JWD/MLK/RM
 ACCESSION NR: AT5004219 S/0000/64/000/000/0154/0159

90
 86
 151

AUTHOR: Polishchuk, D. I.; Latonina, L. P.; Velikanova-Yankevich,
 V. L.

TITLE: General relationships for the combustion of suspension drop-
 lets

SOURCE: AN UkrSSR, Institut tekhnicheskoy teplofiziki. Teplo-
 fizika i teplotekhnika (Thermophysics and heat engineering). Kiev,
 Naukova dumka, 1964, 154-159

TOPIC TAGS: combustion, metallized fuel, metal combustion, slurry
 fuel, fuel suspension

ABSTRACT: Suspensions of metal powders in liquid fuels were prepared
 by addition of 2-3% rubber or polyisobutylene, and the combustion
 characteristics were studied by the suspended-droplet method. Drop-
 lets 0.5-4.5 mm in diameter were suspended on a clay sphere in an
 airstream having a velocity up to 15 m/sec and a temperature up to
 950C. The full combustion time was measured as a function of droplet
 diameter, and the combustion constant dS/dt (S, surface; t, time)

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L 25012-65

ACCESSION NR: AT5004219

4

was calculated. The relationships of S vs t were linear in some cases. dS/dt was determined for Al^{27} , B^{17} , and Mg^{27} suspensions in kerosine, gasoline, isooctane, methanol, and ethanol as a function of air temperature. A graph of dS/dt vs T is given for suspensions of 25% B-75% kerosine and 40% Al-60% kerosine. Suspensions in petroleum products burned in several stages: first combustion of the liquid fuel, then combustion of the metal particles, and finally completion of combustion and cooling of the residue. The flow velocity had a considerable effect on the burning velocity at temperatures below 750C. At higher temperatures the effect was negligible. Suspensions in isooctane burned slowest, and suspensions in alcohols, fastest. The latter case is explained by the fast combustion of the alcohol and by ejection of metal particles from the suspension. The temperatures reached in the individual stages of combustion were measured. A suspension of boron in petroleum products and in alcohol gave temperatures of 2300 and 2900C, a suspension of aluminum, 2900 and 3000C. When high temperatures are required, aluminum suspension is therefore preferable. Orig. art. has: 4 figures. [PV]

ASSOCIATION: Odesskiy gosudarstvennyy universitet im. I. I. Mechnikova (Odessa State University)
Card 2/3

L 25044-65 EPA/EPA(s)-2/EWT(m)/EPF(c)/EPR/EPA(w)-2/T Pub-10/Pr-1/Ps-1/Pt-10

RPL RWH/WJ/JW/MLK

ACCESSION NR: AT5004221

S/0000/64/000/000/0163/0166

AUTHOR: Latonina, L. P.; Fedoseyev, V. A. (Doctor of physicomathematical sciences); Porishchuk, D. I.

TITLE: Combustion of droplets in an airstream

58
B+1

SOURCE: AN UkrSSR. Institut tekhnicheskoy teplofiziki. Teplofizika i teplotekhnika (Thermophysics and heat engineering). Kiev, Naukova dumka, 1964, 163-166

TOPIC TAGS: combustion, liquid fuel, droplet, air breathing propulsion

ABSTRACT: The blow-off velocities of B-70 gasoline, T-1 kerosine, and isoctane droplets have been studied at the Combustion Laboratory of the Odessa State University by recording the temperature of the droplet, the air velocity, and the droplet diameter at blow-off. This is the latest in a series begun in 1953 which includes studies of the kinetics of droplet combustion, the effect of the air velocity on combustion, and the relationships between the blow-off velocity and the droplet diameter at 25-1000C. It was found that the blow-

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L 25044-65

ACCESSION NR: AT5004221

off velocity is a function of the air temperature, the droplet diameter, and specific properties of the fuel. The ratio of blow-off velocity to droplet diameter suggested by Spalding as a blow-off criterion has been evaluated for the fuels studied. The change of the droplet surface area of B-70 gasoline was determined as a function of time at 300 and 500C. Flame blow-off was indicated by a break in the curve of droplet surface vs time. Orig. art. has: 2 figures.
[PV]

ASSOCIATION: Odesskiy gosudarstvennyy universitet im. I. I. Mechnikova (Odessa State University)

SUBMITTED: 10Aug64

ENCL: 00

SUB CODE: FP

NO REF SOV: 007

OTHER: 000

ATD PRESS: 3180

Card 2/2

LATONINOV, L. P., POLISHCHUK, D. I. and FEDOSEYEV, V. A. (Institute of physics of Odessa State university)

"Investigation of combustion of droplets in air currents".

Report presented at the Section on Physics of Combustion, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651. 19 May 1964.

ACC NR: AT7000297

SOURCE CODE: UR/3142/60/150/007/0085/0096

AUTHOR: Latonina, L. P.; Fedoseyev, V. A.; Polishchuk, D. I.

ORG: None

TITLE: Experimental research on combustion of drops of various fuels in a hot air stream

SOURCE: Odessa. Universitet. Trudy, v. 150. Seriya fizicheskikh nauk, no. 7, 1960. Voprosy ispareniya i goreninya v dispersnom vide (Problems of evaporation and combustion in the dispersed state), 85-96

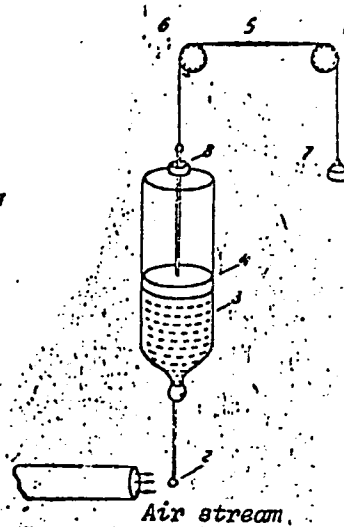
TOPIC TAGS: combustion kinetics, liquid fuel, fuel ignition, vaporization, *AIR FLOW*

ABSTRACT: The authors study "separation" of the flame from a drop of burning fuel in a moving air stream. Motion picture photography was used for studying the flame separation phenomenon in the case of a drop with continuously decreasing diameter. The flow conditions (Reynolds number) change with a reduction in the size of the burning drop when the velocity of the air stream remains constant, and the distance between flame and drop increases with combustion. The "stationary drop unit" shown in the figure was used for measuring the velocities at which fading of the flame was observed on the frontal surface of the drop by vaporization from a sphere 2 of calcined clay fastened to the tip of a hypodermic syringe. The piston 4 of the syringe is con-

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ACC NR: AT7000297

ected by flexible cord 5 through a system of pulleys 6 to weight 7 which may be changed to vary the pressure on the liquid fuel 3 under thy piston and thus control the amount of fuel fed to the porous sphere. In this way, fuel supply may be maintained to give a steady burning rate. Provision was made for temperature variation from room temperature to 800°C, and rate of air flow from zero to 15 mm/sec. Combustion of kerosene and gasoline showed an increase in flame elongation and combustion instability with air stream velocity. The velocity at which flame separation takes place increases linearly with the diameter of the sphere. The ratio between separation velocity and diameter also increases linearly with temperature. Orig. art. has: 15 figures.



SUB CODE: 21/ SUBM DATE: None/ OTH REF: 001

Card 2/2

LATONINA, T. S.

VAINSHTEYN, V. G.; LATONINA, T. S.

Surgical therapy of old fracture-dislocations of the ankle
joint. Vest khir. Grekova, Leningr. 71 no. 6:50-53 1951.

(CJML 21:3)

SHIRKOVSKIY, A.I.; LATONOV, V.V.; SAKHAROVA, V.K.

Effect of reservoir exploitation conditions on the diameter of a producing well (casing string) and the gas transportation system. Trudy MINKHIGP no.48:207-217 '64.

(MIRA 18:3)

La torczm, Gyula, I

by
copy
Quick methods for determination of "total" nitrogen, phosphorus, and potassium in manures. János Sarkadi, István Perczel, Gyongyi Belea, Gyula Latorczai, and Béla Legény (Agrókémiai Kutató Intézet Szérvestrágyázási Osztálya, Budapest). *Agrókémiá és Talajtan* 4, 71-80(1955)(German summary).—The samples of manure were broken down chemically, by using the modified Jodbauer method in the 1st batch, and H₂SO₄ and H₂O₂ in the 2nd batch. The N was detd. by the Kjeldahl method. The results obtained by the 2 different methods showed good agreement. The P₂O₅ was detd. colorimetrically; the phosphomolybdate complex was reduced with metal. K₂O was detd. with the use of Schuhknecht-Waibel flame photometer.
Nella Hellinger

IATOS, A.; GOLEBIEWSKI, W.

"Exhibition of Inventions and Technological Progress in Breslau", P. 232,
(MATERIALY BUDOWLANE, Vol. 9, No. 11, November 1954, Warsaw, Poland)

SO: Monthly List of East European Accessions (FEAL), IC, Vol. 4, No. 3,
March 1955, Uncl.

ODLANICKI-POCZOBUTT, Michal; LATOS, Stanislaw; OGORZALEK, Jerzy;
WALCZEWSKI, Jacek

Mechanical and automatic construction of spatial area models.
Geod i kart 13 no.2:145-157 '64.

14703, Stanislaw

Bill, the Polish self-leveling level instrument and possibilities of using it according to performed experiments. Geodezja Krakow no.6:97-129 '64.

1. Department of Geodesy of the School of Mining and Metallurgy, Krakow.

MUREK, Henryk, inz.; LATOS, Wacław

Increasing the thermal efficiency of a turbine by combining it thermally with a compressor. Gosp paliw 11 Special issue no.(95):17-18 Ja '63.

1. Kopalnia Knurów, Knurów.

LAPKIN, I. I., LATOSH, N.I., BELOV, YE. S.

Ketones

Steric hindrances in organomagnesium reactions. Part 13. Preparation of ketones by interaction of acyl halides with organomagnesium compounds. Zhur. ob. khim. 22 no. 8, 1952.

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

LATOSH, N.I.

SEME NOV, D.I., kand.biol.nauk, red.; TREGUBENKO, I.P., kand.med.nauk,
red.; LATOSH, N.I., kand.khim.nauk, red.

[Complexons; synthesis, properties, and applications in biology
and medicine] Kompleksony; sintez, svoistva, primenenie v biologii
i meditsine. Sverdlovsk, 1958. 166 p. (MIRA 13:3)

1. Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk. 2. Labora-
toriya biofiziki Ural'skogo filiala AN SSSR, g.Sverdlovsk (for
Semenov, Tregubenko). 3. Institut khimii Ural'skogo filiala Akade-
mii nauk SSSR (for Latosh).
(Complexons)