

L 22475-65 EWT(1) IJP(c)/ASD(a)-5/SSD/AFWL/AS(mp)-2/AFETR/ESD(t)

ACCESSION NR: AP5002253

8/0139/64/000/006/0033/0040

AUTHOR: Krivskiy, I. Yu.; Lomsadze, Yu. M.

TITLE: Concerning certain fundamental problems in the theory of the quantized wave-function field

SOURCE: ²IVUZ. Fizika, no. 6, 1964, 33-40

TOPIC TAGS: quantum mechanics, wave function, Hamiltonian, interaction Hamiltonian, second quantization

ABSTRACT: This is a continuation of earlier work by one of the authors (Krivskiy, Ukrainskiy fizicheskiy zhurnal v. 9, 813, 1964; Tezisy dokladov i soobshcheniy XVII nauchnoy konferentsii Uzhgorodskogo universiteta, seriya fiz.-mat. nauk, 27, 1963) in which ordinary quantum mechanics was generalized to formulate the theory of the wave-function theory of the quantized wave-function field, the nature of which is analogous to that of the theory of the quantized probability-amplitude field. In the present paper it is shown that two principally different types of interaction Hamiltonians, corresponding to the absence or presence of a

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specific interaction in the system, and having no analog whatever in ordinary quantum mechanics exist in the theory of the quantized wave-function field. If a specific interaction is present, then it becomes possible in principle to determine experimentally the universal constant of the new theory. The two principally different Hamiltonians exist even when the universal constant is finite ("weakly" nonlocal theory), and the difference is not only in the form of mathematics but also physical. The relation between the new theory and the ordinary method of second quantization in quantum mechanics, together with the principal difference between them, is explained. Orig. art. has: 24 formulas.

ASSOCIATION: Uzhgorodskiy gosuniversitet (Uzhgorod State University)

SUBMITTED: 29 May 63

ENCL: 00

SUB CODE: GP

NR REF SOV: 011

OTHER: 006

Card 2/2

ACCESSION NR: AP4038552

S/0053/64/083/001/0190/0196

AUTHOR: Ivanenko, D.; Lomsadze, Yu.

TITLE: Conference on the theory of elementary particles (Uzhgorod, 14--23 October 1963)

SOURCE: Uzhgorodskiy fizicheskikh nauk, v. 83, no. 1, 1964, 190-196

TOPIC TAGS: elementary particle, dispersion relation, strong interaction, weak interaction, electromagnetic interaction, gravitation

ABSTRACT: The regular (fifth) conference on the theory of elementary particles, organized by the Department of Theoretical Physics of the Uzhgorodskiy universitet, was convoked by the Ministerstvo vysshhego i srednego spetsial'nogo obrazovaniya URSR. About 100 persons from Moscow, Dubna, Kiev, Minsk, Tbilisi, Novosibirsk, Baku, Dnepropetrovsk, Uzhgorod and other centers participated. Two classes of papers were delivered - the "Autumn School" and original papers.

The first group was delivered by the following: Ya. B. Zel'dovich (AN SSSR) - history of neutrino discovery and investigation of its properties. D. Ivanenko (MGU) - possible 'maximally' unified picture of the world. N. N. Neyman (ITEP AN SSSR) - proof of asymptotic equality of total and differential cross sections for

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scattering of particles and antiparticles. D. Ya. Petrina (In-t matematiki AN UkrSSR) - Landau curves and complex singularities of Feynman-diagram contributions. S. G. Matinyan (In-t fiziki AN GruSSR) - particle production at ultrahigh energies. E. M. Lipmanov (Vologradskiy pedinstitut) - review of theory of weak interactions. N. V. Mitskevich (Universitet Druzhby* narodov im. P. Lumby*, Moscow) - a review of research on the energy of the gravitational field. V. A. Filimonov and A. M. Kol'chuzhkin (Tomskiy politekhnicheskii in-t) - review of discovery and development of theory of hypernuclei. A. S. Zhukarev (MGU) - main empirical information on all known particles and resonances.

The original papers covered five topics. 1. The dispersion approach: V. I. Mal'chenko (Dnepropetrovskiy un-t) - elastic scattering of spinless relativistic particles by a potential. V. A. Maminskiy and Yu. V. Orlov (NIYaF MGU) - dispersion allowance for interactions in first and final states in direct nuclear reactions. A. F. Plish (In-t matematiki AN UkrSSR) - integral representation for vertex functions. V. I. Lend'yel and B. M. Ernst (Uzhgorodskiy universitet) - attempt at elimination of phase-shift analysis ambiguity. A. S. Zhukarev and Yu. G. Pavlenko (Fizicheskii f-t MGU) - combination of pole approximation and isobar mode. Ya. I. Granovskiy (IYaF AN KazakhSSR) - convenient partial-wave expansions. Yu. M. Lomsadze, S. S. Tokar', I. M. Shuba (Uzhgorodskiy universitet) - character of motion

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of poles of Bethe-Salpeter partial amplitude.

2. Strong interactions: Yu. M. Kazarinov and V. S. Kiselev (OIYaI, Dubna) - phase shifts at 210 and 147 MeV. Yu. P. Kunekin, M. G. Meshcheryakov, S. B. Nurushev, and G. D. Stoletov (OIYaI, Dubna) - measurement of Wolfenstein triple parameters. L.S. Azhgirey (OIYaI, Dubna) - phase shift analysis of pp scattering at 660 and 435 MeV. V. A. Yarbe (OIYaI, Dubna) - survey of experimental data on $\pi\pi$ interactions at low energy. K. D. Tolstov (OIYaI, Dubna) - independence of transverse momentum of nucleons in inelastic collisions. L. G. Moroz and V. N. Tretiakov (In-t fiziki AN SSSR) - electric and magnetic polarizabilities of neutrons. A. S. Zhukarev and Yu. G. Pavlenko (MGU) - calculation of the $\pi N \rightarrow \pi N K K$ reaction in the pole approximation. V. I. Kushtan (Fizicheskiy f-t MGU) - determination of the quantum numbers of resonons by a modified Chew method. I. A. Kuchin, and P. A. Usik (IYaF AN KazakhSSR) - inelastic NN interaction via one-meson exchange. V. V. Balashov, G. Ya. Korenman, T. S. Macharadze (NIIYaF MGU) - classification of partial transitions in photoproduction of charged pions. V. A. Filippov (Tomskiy politekhnicheskiy institut) - possible production of $E^+ p$ hypernuclei in pp collision.

3. Weak and electromagnetic interactions. V. A. Petrun'kin (FIAN SSSR) - quadratic terms in photon scattering amplitude expansion. A. A. Sokolov, I. M.

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ACCESSION NR: AP1038552

Ternov, V. G. Bagrov, and R. A. Rzayev (MGU) - possibility of polarization of electron beams in a magnetic field. A. A. Bogush and A. I. Bolsun (In-t fiziki AN BSSR) - compact matrix representation of wave functions of polarized vector particles. A. I. Mukhtarov (Azerbaydzhanskiy un-t) - elastic scattering of electrons and positrons by electrons. I. M. Nadzhafov, N. Tenyakov, and A. I. Mukhtarov (Azerbaydzhanskiy un-t) - angular and energy distribution in photon-nucleus interactions. V. S. Vanyashin (Dnepropetrovskiy un-t) - account of "catastrophic" electromagnetic boson interaction. L. M. Tomil'chik (In-t fiziki AN BSSR) - contradictions in usual electrodynamic scheme. L. D. Palgi (IFA AN ESSR) - effect of intermediate charged boson. A. I. Bolsun and I. S. Satsunkevich (In-t fiziki AN BSSR) - differential and total photoproduction cross sections. I. B. Bobokzhanov, V. M. Ivanenko, L. L. Kashkarov, V. V. Cherdy*ntsev (Tadzhikskiy universitet) - asymmetry of neutrons of un reactions on lead. E. M. Lipmanov (Volgogradskiy pedinstitut) - weak interactions with one and two lepton charges. V. V. Balashov, N. M. Kabachnik, and R. A. Eramzhyan (NIYaF MGU) - partial probabilities, polarizations, and angular distribution of recoil nuclei as functions of the nuclear wave functions. G. Ya. Korenman and R. A. Eramzhyan (NIYaF MGU) - branching ratio and asymmetry coefficient of tritium.

4. Theory of gravitation. Ya. I. Granovskiy (IYaF AN KazakhSSR) - corrections to Newtonian theory of gravitation. Yu. S. Vladimirov (MGU) - cross section of

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ACCESSION NR: AP4038552

fermion scattering by a Schwarzschild field. N. V. Mitskevich - solution of Dirac equation, M. P. Korkina and M. A. Pevzner (Dnepropetrovskiy un-t) - calculation of gravitational corrections to electric and magnetic moments of the electron. V. S. Brezhnev (MGU) - method of canonical transformations.

5. General problems. A. A. Borgardt (Dnepropetrovskiy un-t) - general computation technique for quantum theory of boson fields. Yu. A. Ry*lov (MGU) - universal six-dimensional event space in lieu of 4-space. M. N. Shirokov (OIIYaI) - quantum dynamics of scalar particle. A. I. Naumov (MGU) - possible vacuum helicity degeneracy of self-couples spinor field. A. D. Sukhavov (NIFKhI im. Karpova) - some fine points in S-operator formalism.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, GP

NR REF SOV: 000

OTHER: 000

Card 5/5

LOMSADZE, Yu.M., dotsent; KRIVSKIY, I.Yu.; KHIMICH, I.V.

Experimental verification of certain implications of the quantum field theory of probability amplitudes. Dokl. i soob. UzhGU. Ser. fiz.-mat. i ist. nauk no.5:8-13 '62.

(MIRA 17:9)

1. Otvetstvennyy radaktor zhurnala "Doklady i soobshcheniya Uzhgorodskogo gosudarstvennogo universiteta; seriya fiziko-matematicheskikh i istoricheskikh nauk" (for Lomsadze).

SHUBA, I.M.; ROMANKO, G.D.; LOMSDAZE, Yu.M., dotsent; KUSHTAN, V.I.

On the $\mu^+ + p \rightarrow e + p$ process. Dokl. i soob. UzhGU.
Ser. fiz.-mat. i ist. nauk no.5:24-26 '62. (MIRA 17:9)

KRIVSKIY, I.Yu.; LOMSADE, Yu.M.

Some fundamental aspects of the theory of the quantized field
of a wave function. Izv. vys. ucheb. zav.; fiz. 7 no.6:33-40
'64. (MIRA 18:2)

1. Uzhgorodskiy gosudarstvennyy universitet.

L 30013-65 ENT(1) IJP(c)
ACCESSION NR: AP5000621

8/0185/64/009/011/1176/1184

AUTHOR: Lomasadze, Yu. M.; Khinich, I. V.; Shuba, Y. M. (Shuba, I.M.)

20
18
B

TITLE: Structures of the g-plane in the relativistic Schrodinger theory²¹

SOURCE: Ukrayins'kyy fizy*chny*y zhurnal, v. 9, no. 11, 1964, 1176-1184

TOPIC TAGS: Schrodinger theory, relativistic particle, particle scattering, potential scattering, coupling constant, scattering amplitude

ABSTRACT: This is a continuation of earlier work by the authors on the partial amplitude for scattering by a nonrelativistic Yukawa potential (Preprint, Uzhgorod University, R-1, 1963; Nuclear Phys., in press) and on Bethe-Salpeter scattering (Preprint, Uzhgorod University, R-2), and the purpose of the investigation was to check whether the structure of the g-plane does not experience appreciable changes when the scattering particle possesses spin. An analysis is presented of the structure of the g-plane of the partial amplitude of quantum-mechanical scattering of a relativistic spinless particle by a Coulomb potential, and it is shown that the most characteristic elements of the g-plane structure for this potential will be characteristic also of the case of a Yukawa potential.

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ACCESSION NR: AP5000621

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The nature of the motion of the poles of the partial wave amplitude is studied along two sheets of its g -plane, with variation of the energy along the real axis in the case of an arbitrary physical $\gamma = \ell + 1/2$. The nature of the motion of the poles of this amplitude is also studied along two sheets of its E -plane with variation of g along the real axis. A detailed physical interpretation is given of both the singularities of the partial wave amplitude and of the singularities of the trajectories in the g - and E -planes. The analytic properties of the amplitudes of the trajectories are considered also in the nonrelativistic limit. The determination of the g -plane structure makes it possible to employ the Mittag-Leffler procedure for an effective calculation of this amplitude, using information contained in the finite number of coefficients of its formal perturbation-theory series for an arbitrary value $g \neq \gamma$. "The authors thank Professor N. N. Meyman for valuable remarks." Orig. art. has: 6 figures and 9 formulas.

ASSOCIATION: Uzhgorods'kyi derzhuniversytet (Uzhgorod State University)

SUBMITTED: 15Feb64

ENCL: 00

SUB CODE: NP, GP

NR REF SQV: 005

OTHER: 013

Card: 2/2

L 2712-66

ACCESSION NR: AF5017179

UR/0139/65/000/003/0086/0094

AUTHOR: Lomsadze, Yu. M.; Khimich, I. V.; Shuba, I. M. 21
3

TITLE: On the motion of the poles of a quantum mechanical partial amplitude in the complex plane of the coupling constant

SOURCE: IVUZ. Fizika, no. 3, 1965, 86-94

TOPIC TAGS: quantum physics, scattering amplitude, analyticity, moving pole method

ABSTRACT: The authors investigate the analytic properties of a quantum-mechanical partial amplitude $f_g(l, k)$ in the complex plane of the coupling constant for a broad class of potentials, satisfying the standard conditions (approaching zero like $1/r$ as r goes to infinity, like $1/r^2$ as r goes to zero, and finite for all other values of r) (l --angular momentum, $k^2 = 2mE$, m --mass, E --energy, t --time, g --coupling constant). It is shown that in the vicinity of the point $g = 0$ there is a small region which is free of any singularities of the partial amplitude. This makes it possible to employ the Mittag-Leffler method for an effective calculation of $f_g(l, k)$ and consequently to determine the total amplitude $T_g(k, t)$ for arbitrary values of g with any prescribed degree of accuracy, by using information contained in the coefficients of a finite number of terms of the perturbation-method series for $f_g(l, k)$. Orig. art. has: 3 figures and 29 formulas.

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L 2712-66

ACCESSION NR: AP5017179

ASSOCIATION: Uzhgorodskiy gosuniversitet (Uzhgorod State University)

SUBMITTED: 31Oct63

ENCL: 00

SUB CODE: GP

NR REF SOV: 013

OTHER: 012

KC
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L 18436-66 BWT(1)

ACC NR: AP6007793

SOURCE CODE: UR/0185/66/011/002/0133/0141

AUTHOR: Lomsadze, Yu. M.; Tokar, S. S.—Tokar', S. S.

40

ORG: Uzhgorod State University (Uzhgoroda'kyi derzhuniversytet)

B

TITLE: Asymptotic behavior of the scattering amplitude for potential and field-theoretical scattering 21, 44, 55SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 2, 1966, 133-141

TOPIC TAGS: asymptotic property, potential scattering, scattering amplitude, high energy potential, recombination coefficient, perturbation, wave function

ABSTRACT: Proceeding from the results of the authors' paper (Yu. M. Lomsadze, S. S. Tokar, same source, v. 11, no. 4, 1966), formulas of the asymptotic and of the partial wave amplitude $a_\lambda(l, s)$ as $s \rightarrow \infty$ for scattering by the "physical"potentials of type $\lambda \int_{\mu}^{\infty} d\mu(\mu) \frac{e^{-\mu r}}{r^p}$ are obtained. The dependence of the location $l_{\text{lead}}(0)$ of the "leading" Regge trajectory on the degree of singularity of the potential at zero is also obtained. The maximum strong interaction corresponding to $l_{\text{lead}}(0) = 1$ turns out to be nonachievable though any close approach to it is possible. An analytical continuation into the complex n -plane is carried out for the coefficient function $u_n(j, s)$ coinciding in the case of $n = 0, 1, 2, \dots$ with

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the coefficient of the n th term of the perturbation series for the field theoretical partial wave amplitude $a_\lambda(j, s) = \sqrt{s} j_\lambda(j, s)$ ($\lambda = g^2$ and g is the physical coupling constant). For the case of "renormalizable" theories a connection is established between the asymptotic $a_\lambda(j, s)$ as $s \rightarrow \infty$ and the extreme right hand singularity $u_n(j, s)$ in the n -plane—the connection which may be trivially extended to the case of total amplitude $T_\lambda(s, t)$. Orig. art. has: 7 figures and 35 formulas. [Based on author's abstract.]

SUB CODE: 20/ SUBM DATE: 10Apr65/ ORIG REF: 006/ OTH REF: 006/

Card 2/2mc

ACC NR: AR6035039 SOURCE CODE: UR/0058/66/000/008/B025/B026

AUTHOR: Lomsadze, Yu. M.; Tokar', S. S.

TITLE: The structure of the g -plane of a partial theoretical-field amplitude

SOURCE: Ref. zh. Fizika, Abs. 8B246

REF SOURCE: Sb. Tezisy dokl. k XIX Nauchn. konferentsii. Uzhgorodsk. un-t, 1965. Ser. fiz. Uzhgorod, 1965, 104-127

TOPIC TAGS: field theory, g plane, coupling constant, partial amplitude, theoretical field amplitude, angular momentum, meson theory

ABSTRACT: The analytical properties of a partial amplitude with respect to the coupling constant g are discussed. In potential scattering the amplitude with respect to g is made up only of poles or stationary branching points; in the field theory moving branch points appear, whose position depends on energy and angular momentum. Ya. Azimov. [Translation of abstract] [SP]

SUB CODE: 20/

Card 1/1

LOMSHAKOV, M.A., zasluzhemyy vrach Kaz SSR.

Magnetic operations with Brodsky-kalfa's "Magniko" permanent hand magnet.
Oft. zhur. 13 no.6:334-337 '58. (MIRA 12:1)

1. Iz glaznoy kliniki Semipalatinskogo meditsinskogo instituta.
(~~EYE~~--FOREIGN BODIES)

Lernskii, A. A.

1000

Handwritten: The Des

ENERGOMASHINOSTROENIE

Power Machinery Construction

No. 7, July, 1956

LERNKII, A. A.: The Trends of Development of Economical High Speed Axial Pumps, Water Turbines and Fans.

The article considers the losses in axial water machines and their dependence on the speed factor; it suggests a way of improving the efficiency of high speed machines, for example by the use of diffusers. The article is of a mathematical nature, viscosity of the fluid is allowed for.

Handwritten: VMH

Handwritten: was

LOMSKINA, V. I.

USSR/Chemistry

Card : 1/1

Authors : Mandel'baum, Ya. A., Lomskina, V. I. and Mel'nikov, N. N.

Title : Synthesis of dimethyl-4-nitrophenylthiophosphate and trimethylthiophosphate marked with radioactive phosphorus (P^{32}).

Periodical : Dokl. AN SSSR, 96, Ed. 6, 1173 - 1174, June 1954

Abstract : In connection with the investigation of new phosphor-containing insecticides the authors synthesized dimethyl-4-nitrophenylthiophosphate and trimethylthiophosphate marked with radioactive phosphorus. The synthesis of above compounds was realized on the basis of the following reactions: $PSCl_3 + 2CH_3OH + 2NaOH \rightarrow (CH_3O)_2 PSCl + 2NaCl + 2H_2O$; $(CH_3O)_2 PSCl + HOC_6H_4NO_2 + Na_2CO_3 \rightarrow (CH_3O)_2 PSOC_6H_4NO_2 + 2NaHCO_3 + NaCl$. Two references.

Institution : Scientific Institute for Development of Fertilizers and Insecticides

Presented by : Academician S. I. Vol'fkovich, March 17, 1954

LOMSKIY, Bogumir, general armii

In an indissoluble union. Starsh.-serzh. no.4:11 Ap '62.
(MIRA 15:4)

1. Ministr Natsional'noy oborony Chekhoslovatskoy Sotsialisticheskoy
Respubliki.

(Czechoslovakia--Relations (General) with Russia)
(Russia--Relations (General) with Czechoslovakia)

LOMSKOV, N.A., inzh.

Automation of the charging of shaft-type furnaces. Mekh. 1
avtom. proizv. 15 no.7:9-10 J1 '61. (MIRA 14:7)
(Automation) (Metallurgical furnaces)

GOLOLOBOV, V.N.; ASTAPOV, S.I.; GROMYKO, I.I.; LOMSKOVA, A.L.; BELOUS,
B.A., otv.red.; PEVZNER, A.S., zav.red.izd-va; HUDAKOVA, N.I.,
tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] Edinye normy i rastsenki na stroi-
tel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam.
Sbornik 23. [Electric-wiring operations] Elektromontazhnye raboty.
No.1. [Electric lighting and strong-current wiring] Elektri-
cheskoe osveshchenie i provodki sil'nogo toka. 1960. 45 p.
(MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya (NIS)
pri ordena Lenina trestе Yuzhelektromontazh Ministerstva stroitel'-
stva USSR (for Gololobov, Gromyko). 3. Normativno-issledovatel'skaya
stantsiya No.9 Tsentral'nogo normativno-issledovatel'skogo byuro
Ministerstva stroitel'stva RSFSR (for Astapov, Lomskova).
(Wages) (Electric lighting) (Electric wiring)

JAROS, Karel, MUDr; LOMSKY, Jan, MUDr

Trauma and hernia. Prakt. lek., Praha 34 no.22:501-502 20 Nov 54.

1. Z chirurg. klin. zakladny Ustavu pro doskolovani lekaru pri
obv. nem. v Praze 8 - Bulovka. Prednosta prof. MUDr Jan Knobloch
(WOUNDS AND INJURIES
trauma in etiol. of hernia)
(HERNIA, etiology and pathogen.
trauma)

FOJTIK, Frantisek, MUDr; LOMSKY, Jan, MUDr; SUNTYCHOVA, Marie, MUDr

First experiences with percutaneous lienoportohepatography. Cesk.
rentg. 9 no.3:100-105 Aug 55.

1. Z klinicke zakladny chirurg. katedry UDL pri ONV v Praze 8-Bulovka,
prednosta prof. MUDr Jan Knobloch - z klinicke zakladny roentgenolog.
katedry UDL pri ON v Praze 8-Bulovka, prednosta primar MUDr Josef
Slanina

(VEINS, PORTAL SYSTEM, radiography,
percutaneous lienoportohepatography)

EXCERPTA MEDICA Sec.9 Vol.11/7 Surgery July 1957
LOMSKY J.

3577. LOMSKY J., FOJTÍK F. and JAROS K. Indikace a výsledky chirurgického
léčení u chronických tepenných poruch. Operace na nadledvinách. The
disturbances of the arteries. Operations on the supra-
renal glands ROZHL. CHIR. 1956, 35/7 (438-443) Tables 1
The authors report their experiences with splanchnicotomy, adrenalectomy and
medullectomy in 93 patients. The results of combined operations on the upper
sympathetic and splanchnic nerves and the suprarenal glands are better than those
of simple lumbar gangliectomy, and have a more intensive local effect due to the
more extensive sympathectomy. Niederle - Prague

SALEK, M.; LOMSKY, J.

Contribution to rare complications of cholelithiasis. Rozhl.chir.
39 no.6:418-423 Je '60.

1. Chirurgicke odd. OUNZ Cesky Brod, prednosta dr. Jan Lomsky.
(CHOLELITHIASIS compl)
(BILIARY FISTULA etiol)

NOVAK, J.; LOMSKY, J.; KUBAT, B.

Our experience with the diagnosis of acute gastrointestinal hemorrhage.
Cas. lek. cesk. 99 no.28:881-886 8 JI '60.

1. Chirurgická klinická základna Ústavu pro doskolování lékařů v
Praze 8-Bulovka, přednáška prof. Dr. Sc. MUDr. Jan Knobloch, Chirurgické
oddělení OUNZ Český Brod, primář MUDr. J. Lomský.
(HEMORRHAGE GASTROINTESTINAL diag)

LOMSKY, J.; SALEK, M.; DOHNAL, J.

Considerations on the treatment of Colles' fracture. Acta chir. orthop. trauma. Cech. 28 no.1:49-52 F '61.

1. Chirurgické oddelení OUNZ Český Brod, přednosta J. Lomský.

(RADIUS fract & disloc)

LOMSKY, J.; SALEK, M.; HLASIVEC, Zd.; PRENOSIL, J.

Contribution to the treatment of carcinoma of the head of the pancreas. Rozhl. chir. 41 no.12:796-801 D '62.

1. Chirurgické oddělení UNZ v Českém Brodě, přednosta MUDr. J. Lomský
Onkologický ústav v Praze 8 a radiologická katedra Ústavu pro doskolování
lékařů v Praze, ředitel ústavu a přednosta katedry MUDr. F. Vadura.
(PANCREATIC NEOPLASMS) (GOLD COLLOID RADIOACTIVE)

MARATKA, Z.; LOMSKY, J.

New trials in the surgical treatment of peptic ulcer. Cesk.
gastroent. vyz. 17 no.7:385-387 N°63

1. II. vnitřní oddělení nemocnice v Praze na Bulovce (vedoucí
doc. dr. Z. Maratka) a Chirurgická klinická základna Ústavu pro
dokolování lékařů v Praze (prednosta prof. dr. J. Knobloch).

SALEK, M.; LOMSKY, J.; PRENOSIL, J.

Contribution to the problem of postoperative duodenal fistulae.
Rozhl. chir. 44 no.12:811-816 D '65.

1. Chirurgické oddělení Ústavu národního zdraví v Českém Brodě (vedoucí MUDr. M. Salek), Chirurgická základna UDL v Praze (prednosta prof. dr. J. Knobloch, DrSc.), Onkologický ústav v Praze 8 a radiologická katedra UDL v Praze (ředitel ústavu a vedoucí katedry MUDr. F. Vadura).

SPANYAR, Ye.; BALAZ, V.; LOMSKY, R.

Our experience in treating hirsutism with cortisone and prednisone.
Probl. endok. i gorm. 6 no. 3:111-116 My-Je '60. (MIRA 14:1)
(HYPERTRICHOSIS) (CORTISONE) (PREGNADIENEDIONE)

FIEDLER, Zdenek; LOMSKY, Radovan; GROH, Jindrich; CERNIK, Frantisek;
FINGERLAND, Antonin; JINDRAK, Karel; ZDRAHAL, Leopold.

Surgical problems in endocrine-active tumors of the islands
of Langerhans. Sborn. ved. prac. lek. fak. Karlov. Univ. (Hrad.
Kral.) 6 no. 3: 229-237 '63.

1. Chirurgická klinika (prednosta: prof. MUDr. J. Prochazka);
I. interní klinika (prednosta: prof., MUDr. J. Rehor); Pato-
logicko-anatomický ústav (prednosta: DrSc., prof., MUDr. A.
Fingerland) a Neurologická klinika (DrSc., prof., MUDr. M.
Sercl), Universita Karlova.

*

ERBEN, Josef, GROH, Jindrich, LOMSKY, Radovan; SVAB, Jozef; HEROUT, Vladimir; NOZICKA, Zdenek; KVASNICKA, Jiri; BARTOS, Vladimir; KVASNICKOVA, Eva. Technicka spoluprace :SCHROFLOVA, A.

Primary aldosteronism in adrenal cortex carcinoma. II. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad. Kral.) 6 no.5: suppl.:601-607 '63

1. I. interni klinika (prednosta: prof. MUDr. F. Cernik);
Urologicka klinika (prednosta: doc. MUDr. Jozef Svab); Patologicko-anatomicky ustav (prednosta: DrSc. prof. MUDr. A. Fingerland) Karlova universita v Hradci Kralove.

LOMINAE, V. I.

37232. Ob izmenenno-rodovoye slovo "mama" v roditel'skoy i det'skoy rechi
(Na Gornyye Karayakhi) raznykh lezgin. Izvestiya in-ya, T. XXIII, 1949, s. 140-43

Ob izmenenno-rodovoye slovo "mama" v roditel'skoy i det'skoy rechi
in: "Istoriya" Sbornik nauchnykh statey, Vol. 1, 1949

LOMTADZE, V. D.

Metody Laboratornykh Issledovaniy Fiziko-Mekhanicheskikh Svoystv Peschanykh i Glinistykh Gruntov (Methods of Laboratory Study of The Physico-mechanical Properties of Argillaceous and arenaceous Soils) Moskva, Gosgeolizdat, 1952.

233 P. Diagr., Graphs, Tables.

"Literatura": P. 214-(216)

SO: N/5

623.854

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LOMTADZE, V. D.

USSR/Geology - Hydrogeology

Card 1/1 Pub. 22 - 33/48

Authors : Lomtadze, V. D.

Title : The role of clayey residue settling processes on the formation of underground waters

Periodical : Dok. AN SSSR 98/3, 451-454, Sep 21, 1954

Abstract : Hydrogeological data regarding the role of clayey sedimentations on the formation of underground waters are presented. Five USSR references (1947-1953). Tables.

Institution : Mining Institute, Leningrad

Presented by: Academician N. M. Strakhov, July 8, 1954

15-57-10-14696

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,
p 221 (USSR)

AUTHOR: Lomtadze, V. D.

TITLE: Changes in Composition, Structure, Density, and Bonding
of Clays When Subjected to Great Compressive Loads
(Izmeneniye sostava, struktury, plotnosti i svyaznosti
glin pri uplotnenii ikh bol'shimi nagruzkami)

PERIODICAL: Tr. Labor. gidrogeol. problem AN SSSR, 1955, Vol 12,
pp 236-245

ABSTRACT: The author describes the results of experiments in
studying the changes in composition and structure of
clays when compressed. These tests established the
fact that, with loads as great as 7,000 kg/cm², there
is no change in the degree of dispersion of the tested
clay samples. Parallel studies of thin sections showed
that, as a consequence of the great compressive force,
the clays developed in oriented microtexture; they
became foliated. It was noted that density, porosity,

Card 1/2

15-57-10-14696

Changes in Composition, Structure, Density, (Cont.)

and stability of the clays are definitely related to the degree of compression. The author indicates that the physical and mechanical indexes of the properties of clay rocks may serve visually as indicators of the degree of their lithification.

Card 2/2

A. F. Volfson

LONTADZE, V. D.

USSR/ Geology - Petrography

Card 1/1 Pub. 22 - 44/53

Authors : Lontadze, V. D.

Title : Stages of formation of clayey rock properties during their lithification

Periodical : Dok. AN SSSR 102/4, 819-822, Jun 1, 1955

Abstract : Geological petrographic data are presented regarding the formation of properties of clayey rocks occurring during the process of their lithification. Four USSR references (1953 and 1954). Table; drawing.

Institution : Leningrad Mining Institute, Leningrad

Presented by : Academician D. V. Nalivkin, December 24, 1954

LOMTADZE, V. D.

The conditions of formation of argillaceous rocks. V. D. Lomtadze. *Zapiski Leningrad. Gorn. Inst.* 32, No. 2, 41-60 (1958).—A review of the processes of lithification of clay sediments, including diagenesis; the effects of pH, dissolved salts, oxidation-reduction potential, and biol. agents on type of clay mineral deposited; epigenesis; and the effects of time, pressure, and temp. on loss of water and compaction of the clay. *Ronald C. Menzel*

Geology 1

LOMTADZE, V. D., Doc Geol-Min Sci -- (diss) "Physicomechanical properties of argillaceous rocks." Len, 1957. 62 pp; 2 sheets of tables (Min of Higher Education USSR, Len Orders of Lenin and Laboð Red Banner Mining Inst im G. V. Plekhanov, Chair of Hydrogeology and Engineering Geology), 120 copies. List of author's works at end of text (14 titles) (KL, 1-58, 115)

- 20 -

20-6-45/59

AUTHOR
TITLE

LOMTADZE, V.D.

Structural and Mechanical Properties of Argillaceous Rocks as Indices of the Degree of Their Lithification.

(Strukturno-mekhanicheskiye svoystva glinistykh porod, kak pokazatel' stepeni ikh litifikatsii - Russian)

PERIODICAL

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 6, pp 1344-1346 (U.S.S.R.)

ABSTRACT

Argillaceous rocks, dispersion systems have the capacity of establishing under the influence of molecular and electrostatic (ion) power bindings between their single forming particles or aggregates. These bindings, formerly called structural, result on the occasion of the sedimentation of argillaceous deposits and consolidate gradually with the transformation of the latter into argillaceous rocks and their lithification. Corresponding to the stage of development and the stability of the structural connection argillaceous rocks can have an intermediate position between quickly and slowly relaxing liquid or viscous and plastic substances on the one hand, and the ideal-elastic practically not relaxing solid substances on the other hand. Since viscosity, plasticity, compactness, and elasticity of the argillaceous rocks are chiefly determined by the structural bindings, P.A.Rehbinder calls them structural-mechanical. The results of the work carried out by the author show that the formation of the properties of the argillaceous rocks is connected with the history of their formation as well as with their later transformations in the crust of the earth. Under different conditions, however, they lose these properties and acquire other characteristic features and properties. The following

Card 1/3

Structural and Mechanical Properties of Argillaceous Rocks as 20-6-45/59
Indices of the Degree of Their Lithification.

natural genealogy of the argillaceous rocks is found: argillaceous clays are the least lithificated. They form the primary material on the bottom of the seas, lakes etc. The great variety of argillaceous rocks of subaqueous origin is due to this material. The long geological process of their transformation begins with clays. First the quantity of the free water surpasses that of the bound water. The state is mostly latently or openly liquid. Solidity is low. After a mechanical destruction the bindings can be re-established (tixotropic transformation). The second group consists of mostly soft and only to a small extent consolidated differentiations of argillaceous rocks. The third group consists of consolidated quaternary or older differentiations of argillaceous rocks. Rocks of a high degree of lithification belong, to the fourth group. The elimination of genetic differentiations is difficult, since they are considerably changed. The fifth group is formed by rocks similar to these of the fourth group, but of an extreme degree of lithification. They are semi-rocks and form a transition from the sedimentary to the metamorphic rocks. In the case of tensions which exceed the proportionality limit of their deformation they break or burst. The deformations get irreversible. Their resistance to compression amounts to 100 kg per 1 cm². In the bowels of the earth in the range of increased temperatures and pressures the phenomena of creeping are characteristic which are manifested by the slow deformation of their mineral components i.e. by recrystallization.

Card 2/3

(8 Slavic references).

Structural and Mechanical Properties of Argillaceous Rocks as
Indices of the Degree of Their Lithification.

20-6-45/59

ASSOCIATION Leningrad Mining Institute
PRESENTED BY STRAKHOV N.M., Member of the Academy
SUBMITTED 26.11.1956
AVAILABLE Library of Congress.
Card 3/3

LONTADZE, V. D.

"Results of Experimental Studies of Clay Consolidation Under a Gravitational Load."

paper distributed at the International Clay Mineralogy Congress in Brussels, Belgium, 1 - 5 Jul 58.

Comment: B-3,116,859

LOMTADZE, V.D.

Role of the compaction of clayey sediments in the formation of underground waters. Trudy Lab.gidrogeol.probl. 16:179-180 '58.
(MIRA 12:2)

1. Leningradskiy gornyy institut. (Clay)
(Water, Underground)

LOMTADZE, V.D.

Physicomechanical properties of lower Cambrian clays in outlying
northwestern regions of the Russian Platform. Zap. IGI 34 no.2:
154-188 '58. (MIRA 12:6)
(Russia, Northwestern--Clay)

LOMTADZE, V.D.

Classification of clayey rocks in engineering geology. Zap. LGI
34 no.2:189-202 '58. (MIRA 12:6)
(Clay)

LOMTADZE, Valeriy Davidovich, for Doctor of Geological and Mineralogical
Sciences on the basis of dissertation defended 10 June 1959 in the Council
of Moscow State University Order of Lenin and Order of Red Banner of Labor
Imeni Lomonosov, entitled: "The formation of physical and mechanical pro-
perties of ^{clayey rocks} ~~loamy soils~~ ^{dur-}idification."
(BMVISO USSR, 2-61, 16)

6
26

LOMTADZE, V.D.

Results of analyzing water squeezed from clay sediments of
different lithification. Izv.vys.ucheb.zav.; geol. i razv.
2 no.9:96-107 S '59. (MIRA 13:4)

1. Leningradskiy gornyy institut.
(Clay) (Water--Analysis)

LOMTADZE, V.D.

Alteration of clay rocks in weathering. Zap. LGI 44 no.2:118-124
'62. (MIRA 16:3)
(Weathering) (Clay)

LOMTADZE, V.D.

Physicomechanical properties of clay rocks in the upper variegated series of the main Devonian field in the Russian Platform. Zap. LGI 44 no.2:125-151 '62. (MIRA 16:3)
(Russian Platform--Clay)

LGMTADZE, V.D.

Nature of the phenomena of heaving in clay rocks in Moscow
Basin mines. Zap. LGI 48 no.1:12-24 '63. (MIRA 17:8)

1. LOMTATIDZE, G. A.
2. USSR 600
4. Mtskheat - Tombs
7. Newly opened vault in Mtskheta, Soob. AN Gruz, SSR, 12, No. 10, 1951.

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

TRUBETSKOV, K.M., kand.tekhn.nauk; KORNFEL'D, V.N., kand.tekhn.nauk
GREKOV, Ye.A., inzh.; VCYTOV, A.O., inzh.; SHTEYNBERG, L.S., inzh.;
LOMTATIDZE, G.A., inzh.

Investigating the melting of the open-hearth furnace charge with
various methods of using oxygen [with summary in English]. Stal'
21 no.3:214-222 Mr '61. (MIRA 14:6)
(Open-hearth furnaces) (Oxygen--Industrial applications)

TSIICHII, K.A., kand. tekhn. nauk; TSIICHII, K.A., inzh.; LOTTIICHII, K.A.,
inzh.

Use of compressed air for blowing open-hearth furnace baths.
Incl. TSIICHII no. 5:6-11 '67. (MIRA 14:10)
(Open-hearth furnaces)
(Compressed air)

LOMFANIDZE, G.A.; VEDERNIKOV, A.A.; Primalni uchastiye: SHARONOV, G.V. &
LITF.; ZAKURDAYEV, A.G.; MOKROVA, V.P.; ROZHKOV, I.M.

Carbon oxidation during the finishing period of the oxygen blowing
of an open-hearth furnace bath. [Sbor. trud.] TSNIICHM no.29:
1963. (MIRA 17:4)

MAKSIMOV, Yu.M., kand. tekhn. nauk; LOMTATONK, G.A., kand. tekhn. nauk
A.A., inzh.

Temperature conditions in open-hearth baths in the finishing
period with an oxygen blow. Stal' 2A no.8:694-697 Ag 10.
(111-111)

KHAZARADZE, R.D.; LOMTATIDZE, G.V.

Morphology and the morainic deposits of the Adishi Glacier.
Trudy Inst. geog. AN Gruz. SSR 20:253-264 '64.

(MIRA 18:5)

KHARADZE, R.D.; LQMTATIDZE, G.V.

Morphological characteristics and the deglaciation stages
of the Tviberi Glacier. Trudy Inst. geog. AN Gruz. SSR 18:
264-265 '64. (MIRA 17:6)

LOMOTATIDZE, M. B.

Gotsiridze, N. K., Matskipladze, I. B. and Lomatidze, M. B. "The problem of combatting sterility of cows in Georgia," Trudy Cruz. nauch.-issled. vet. spyt. ntantsii, Vol. X, 1948, p. 147-62, (In Georgian, resume in Russian)

SO: U-1931, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

TSERETELI, D.; INASHVILI, Sh.; KALANDADZE, G.; KURDGELADZE, G.;
LASHKHI, T.; LOMTATIDZE, G.; KHAZARADZE, R.

Observations of the Chalaati and Lekhzyri glaciers in the
summer of 1959. Trudy Inst. geog. AN Gruz. SSR 17:223-256 '62.
(MIRA 16:7)

(Inguri Valley--Glaciers)

LOMTATIDZE, N.F.

Endotracheal anesthesia with nitrous oxide. *Khirurgiia*, Moskva no.4:
56-58 Apr 1953. (GML 24:4)

1. Of the Second Surgical Clinic (Director -- Prof. N. V. Antelava,
Corresponding Member AMS USSR), Tbilisi State Institute for the Advanced
Training of Physicians.

LOMTATIDZE, N.F.; CHERTKOV, S.N.

Intratracheal administration of drugs. Khirurgiia Supplement:65
'57. (MIRA 11:4)

1. Iz 2-y khirurgicheskoy kliniki Tbilisskogo instituta usovershen-
stvovaniya vrachey
(DRUGS—ADMINISTRATION AND DOSAGE)

LOMTATIDZE, N. F., Candidate Med Sci (diss) -- "Intratracheal narcosis in surgery". Tbilisi, 1959, published by the Acad Sci Georgian SSR. 16 pp (Tbilisi State Med Inst), 200 copies (KL, No 24, 1959, 150)

ANTELEVA, N.V.; SHETADZE, D.P.; BREDIS, A.I.; LOMTATIDZE, N.F.;
TOTADZE, Ye.L.

Experience in organizing a thoracic surgery department. Khirurgiia
36 no.1:117-123 Ja '60. (MIRA 13:10)
(CHEST--SURGERY)

ANTELAVA, N. V., prof.; OKUDZHAVA, V. M., kand. med. nauk; LOMTATIDZE,
N. F., kand. med. nauk

Experimental and clinical studies of the anesthetic action of
fluorothane; preliminary report. Khirurgia 38 no.7:96-101
Jl '62. (MIRA 15:7)

1. Iz 1-y khirurgicheskoy kliniki (zav. - chlen-korrespondent
AMN SSSR prof. N. V. Antelava) Tbilisskogo Gosudarstvennogo
instituta dlya usovershenstvovaniya vrachey i Instituta nevrologii
Akademii nauk Gruzinskoy SSR.

(HALOTHANE)

VOYNICH-SYANOZHENTSKIY, T.G.; LOMTATIDZE, V.G.

Determining the local washout depth in a channel behind a
horizontal jet. Soob. AN Gruz. SSR 21 no.1:83-88 J1 '58.
(MIRA 11:10)

1. Tbilisskiy nauchno-issledovatel'skiy institut sooruzheniy i
gidroenergetiki. Predstavleno chlenom-korrespondentom Akademii
F.N. Tavadze.

(Hydraulic jump)

VOYNICH-SYANOZHENTSKIY, T.G.; LOMTATIDZE, V.G.

Analysis of currents to determine stabilized uniformly variable motion of water. Soob. AN Gruz. SSR 22 no.3:273-280 Mr '59.
(MIRA 12:8)

I.Tbilisskiy nauchno-issledovatel'skiy institut sooruzheniy i gidroenergetiki. Predstavleno akademikom K.S. Zavrilyevym.
(Hydraulics)

LOMTATIDZE, Z. P., Cand Tech Sci -- (diss) "Research into the improvement of the microclimate of living quarters in the southern rayony of the USSR." Moscow, 1959. 18 pp; (Academy of Construction and Architecture USSR, Scientific Research Inst of the Theory and History of Architecture and Construction Techniques); 170 copies; free; (KL, 22-60, 137)

LOMTEV, Ye., inzh. (Penza)

Digital voltmeter. Radio no.3:51-53 Mr '65.

(MIRA 18:6)

NIKITIN, V.N.; VOLCHEK, B.Z.; LOMTEV-MILYAYEV, L.M.

Instrument for registering infrared absorption spectra by means
of self-recording potentiometers. Prib.1 tekh.eksp.no.2:128-129
S-O '56. (MLRA 10:2)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Photoelectric measurements) (Spectrum, Infrared)

LOMEVA, K. M.

LOMEVA, K. M. - "The effect of basic factors on the rise of production and of labor productivity under the conditions of the Soviet Mine." Moscow, 1955. Min. Higher Education USSR. Moscow Inst. of Nonferrous Metallurgy and Gold Medal N. S. Kalinin. (Dissertations for degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis', No 48. 26 November 1955. Moscow.

AUTHOR: Lomteva, K.M., Scientific Worker SOV/127-58-12-4/26

TITLE: The Organization of Stopping Works According to the Charts of Cycles of Operations (Organizatsiya schistnykh rabot po grafikam tsiklichnosti)

PERIODICAL: Gornyy zhurnal, 1958, Nr 12, pp 15 - 18 (USSR)

ABSTRACT: Charts of cycles of operations were introduced at the Chorukh-Dayron (the Tadzhik SSR) ore deposit to increase the operating efficiency and improve the organization of works in the stopping blocks. One cycle comprises the totality of mining operations executed in a set order during the mining of the ore over the whole length of the block. The author describes the distribution of duties in the working brigades, and the consecutive order of works according to the chart in different characteristic blocks of the deposit. The introduction of charts considerably improved the results in every category of mining operations. The type of ore mined is not mentioned. There are 2 diagrams, 2 profiles and 3 tables.

ASSOCIATION: TsNGRI

Card 1/1

^{M.}
LOMTEVA, K.; PLESHAKOV, D.

System of subsurface work in nonferrous mines. *Bul.nauch.*
inform.: trud i zar.plata no.5:16-21 '59. (MIRA 12:6)
(Arctic regions--Mining engineering)

Ломтева, М.Н.
LOMTEVA, M.N.

Synthesis of hyaluronidase by normal human microflora under certain pathological conditions. Zhur.mikrobiol.epid. i immun. 28 no.3: 105-107 Ag '57. (MIRA 11:2)

1. Iz Sverdlovskoy gorodskoy klinicheskoy bol'nitsy No.1 i Sverdlovskogo instituta mikrobiologii, epidemiologii i gigiyeny.

(ESCHERICHIA COLI, metabolism, hyaluronidase, in pathol. cond. (Rus))

(STREPTOCOCCUS, metabolism, viridans, hyaluronidase synthesis in pathol. cond. (Rus))

(HYALURONIDASE, E. coli & Streptoc. viridans, synthesis in pathol. cond. (Rus))

LOMTEVA, N. S.

PA5/49T79

USSR/Medicine - Teeth, Prothesis
Medicine - Germicides
Mar/Apr 48

"The Problem of Bactericidal and Bacteriostatic Properties of Methylmethacrylate," N.S. Lomteva, *Center of Orthopedic Stomatol, Chair of Microbiol, Kazan Stomatol Inst*, 4 1/2 pp

"Stomatologiya" No 2

First report on a series of experiments. The monomer (methylmethacrylate) inhibits growth of staphylococci agar culture. Polymethacrylate paste is less effective; the powder has no appreciable action. Monomer emulsion kills staphylococci in 10 minutes;

5/49T79

USSR/Medicine - Teeth, Prothesis (Contd) Mar/Apr 48
paste and powder had no effect. Similar results were obtained for microbes present in dental incrustation. Possibility of using monomer for fillings requires further investigation.

5/49T79

DRUZHININ, I.G., akademik; KYDYNOV, M.; LOMTEVA, S.A.

Ternary compound consisting of lithium, sodium, and ammonium sulfates. Dokl. AN SSSR 157 no.4:910-912 Ag '64
(MIRA 17:8)

1. Institut neorganicheskoy i fizicheskoy khimii AN KirgSSR.
2. AN KirgSSR (for Druzhinin).

DRUZHININ, I.G.; KYDYNOV, M.; LOMTEVA, S.A.

Physicochemical characteristics of the Alabug-Naryn salt bed.
Zhur. prikl. khim. 36 no.11:2408-2413 N '63. (MIRA 17:1)

L 32048-65 ENT(n)/EPF(c)/EXP(j)/T Pc-4/Pr-4 W

ACCESSION NR: AR4045224

S/0081/64/000/012/S057/S057

24
23
B

SOURCE: Ref. zh. Khimiya, Abs. 125349

AUTHOR: Aronov, S. G.; Skiyar, M. G.; Shustikov, V. I.; Polovinchenko, A. I.; Lomteva, V. S.

TITLE: Phenocarbonic pressing powders and plastics derived from them

CITED SOURCE: Sb. nauchn. tr. Ukr. n.-i. uglekhim. in-t, vy p. 14 (36), 1963, 36-46

TOPIC TAGS: pressed plastic, pressing powder, phenolaldehyde plastic, phenolformaldehyde resin, phenocarbonic pressing powder, coal thermoplastification, hardening agent, hexamethylene-tetramine, resin rolling, phenoplast stability

TRANSLATION: In order to broaden the raw-material base of the phenolaldehyde plastics (phenoplasts), the authors studied the possibility of the partial replacement of phenolformaldehyde resins in the pressing powders by products of the thermoplastification of coal (sapropelites and cannel coals). They synthesized pressing compounds of the phenoplast type and named them phenocarbonic powders. In the pure

Card 1/2

L 32048-65

ACCESSION NR: AR4045224

state, the phenocarbonic powders do not harden when pressed with hardening agents (5-10-15% hexamethylenetetramine, 2-4-6% magnesium oxide and 0.5-1.0-1.5% sulfur) at 150C and a pressure of 250-300 kg/cm²; however, when they are introduced into the pressing powder in place of part of the phenolformaldehyde resin (up to 40-50%), it is possible to obtain materials which come up to, and in some respects even surpass, the requirements of GOST 5689-51^{1/2} for phenoplasts. Pilot-plant samples of pressing powders were prepared by both the aqueous emulsion and dry-rolling methods, and yielded optimum results. Rolling was carried out at temperatures of about 125C on the working roller and 139C on the idler. After rolling, the mixture was cooled and ground in a hammer mill. The new pressing powder was used to manufacture parts of varying complexity, which did not differ outwardly from parts made of the usual phenoplasts; they were characterized by high stability during storage and under the influence of various media, and can be used in the weak-current, electrical engineering, radio engineering and other branches of industry, as well as for various utilitarian devices. The cost of one ton of finished powder of the new composition is only 28.5% of the cost of the standard phenoplast powder. Z. Ivanova.

SUB CODE: MF

ENCL: 00

Card 2/2

TUMANOV, G.V., podpolkovnik meditsinskoy sluzhby; KATERINICH, N.T.,
podpolkovnik meditsinskoy sluzhby, kand.med.nauk; BAKANIDZĖ, I.G.,
podpolkovnik meditsinskoy sluzhby; SOBOLEV, Ye.I., podpolkovnik
meditsinskoy sluzhby; LOMTEVA, ye.V.

Treatment of acute radiation sickness with homoplastic bone
marrow. Voen-med.zhur. no.9:21-22 S '61. (MIRA 15:10)
(RADIATION SICKNESS) (MARROW--TRANSPLANTATION)

12
CA LOMUNOV, A.A.

Some peculiarities of cream treatment in buttermaking.
A. Lomunov (Omsk Agr. Inst.). *Molochkova Prom.* 11,
No. 4, 19-21(1950).—Directions for handling cream on
plant scale are given. In storage of raw or pasteurized
cream in metal vessel it is shown that raw cream dissolves
larger amts. of the usual structural metals. The dif-
ference is ascribed to dissolved air. G. M. K.

C. A. LOMUNOV, A. A.

10

Physical aging of cream in buttermaking. A. Lomunov (Omsk Agr. Inst.). *Molokhnaya Prom.* 11, No. 9, 75-78 (1930).--Prolonged phys. aging of cream preliminary to churning is undesirable as it leads to poor butter taste. If the cream is to be left overnight, slow fermentation should be used over that period. Use of stepwise cooling of cream (to 10-12°, then to 5-7°) gives better degree of dispersion of butterfat, especially in cases of relatively high-melting specimens. G. M. Kosolapoff

Lomunov, K. F.

AID P - 591

Subject : USSR/Engineering
Card 1/1 Pub. 93 - 6/11
Author : Lomunov, K. F., Engineer
Title : Preparation of lathing panels
Periodical : Sbor. mat. o nov. tekhn. v stroit., 8, 12-15, 1954
Abstract : Preparation of lathing panels for plastering work on a specially designed bench is suggested. Diagrams, photos.
Institution: None
Submitted : No date

LOMUNOV, K. F.

Book on the experience of an innovator ("How I teach plasterers."
A.S. Shaul'skii. Reviewed by K. Lomunov). Prof.-tekh. obr. 11 no. 3:
30 '54. (MLRA 7:8)

1. Rukovoditel' seksii shtukaturov Instituta novatorov-stroite-
ley pri Gor'kovskom inzhenerno-stroitel'nom institute imeni V.P.
Chkalova.
(Place holder)

LOMONOV, K.F., inzhener.

The Shaul'skii uniflow airless sprayer for plaster work.
Sbor. nat. o nov. tekh. v stroi. 17 no.1:23-25 '55.

(Plastering)

(MIRA 8:2)

LOMUNOV, K.; RUNOV, V.

Large wall blocks. Stroif. mat. 4 no.1:11-12 Ja '58. (MIRA 11:2)

1. Starshiye prepodavateli Gor'kovskogo inzhenerno-stroitel'nogo instituta.

(Gorkiy--Building blocks)

LOMUNOV, K.F., inzh.

Investigating the causes for the formation of defects in the
open surfaces of lime concrete blocks. Trudy GISI no.43:57-64
'63. (MIRA 17:4)

LOMUNOV, K.F.; MOCHALOV, A.I.

Ways of preventing defects in the exposed surfaces of silica
blocks. Strel. mat. 10 no.3:21-23 Mr '64. (NERA 17:6)

LOMUNOV, K.F., inzh.

Formation of flaws in products of heavy lime concrete
during brief drops of the pressure in the autoclave.
Trudy GISI no.47:23-36 '64. (MIRA 18:11)

LOMUNOVA, T.V. (Leningrad).

A case of acute hemolytic anemia. *Klin.med.* 36 no.7:146-149
(MIRA 11:11)
Jl '58

1. Iz kliniki propedevtiki vnutrennikh bolezney (zav. - deystvitel'nyy
chlen AMN SSSR prof. M.D. Tushinskiy) I Leningradskogo meditsinskogo
instituta imeni I.P. Pavlova.
(ANEMIA, HEMOLYTIC, case reports
acute (Rus))

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