

LEONOVICH, Boris Nikolayevich; KALAYDA, Ivan Stepanovich;  
KOKOULIN, I.I., red.

[Depot of advanced technology; from the experience of  
the Grebenka Locomotive Depot of the Southern Railroad]  
Depo peredovoi tekhnologii; iz opyta lokomotivnogo depo  
Grebenka Yuzhnoi dorogi. Moskva, Transport, 1964. 29 p.  
(MIRA 17:12)

1. Chlen Nauchno-tekhnicheskogo obshchestva zheleznodorozh-  
nogo transporta, komandir depo Grebenka Yuzhnoy dorogi (for  
Leonovich, Kalayda).

LEONOVICH, B.N.; EZEBIN, A.I.

Scientific organization of work in locomotive manufacturing.  
Zhel. dor. transport. 17 no.4:29-35 Jan 1965.

(CIA ID: )

1. Moshal'nik lokomotivnogo depo Gorbunia Yuznyy korog. 13 r.  
Leonovich, A. glavnyy inspektor vnutrennykh del.  
Soyeta Ministrov SSSR po voprosam truda i zarabotnoy plati  
(for train).

LEONOVICH, E.L.

Results of introducing coniferous plants in the "Sosniaki" forest  
park in northern Armenia. B'ul.Bot.sada [Eriv.] no.10:17-30 '50.  
(MLRA 9:8)

(Armenia--Coniferae)

LEONOVICH, Ivan Iosifovich, (1918-1988), doktor tekhn. nauk, retsenzent, Odesk'skiy gos. univ. tekhn. nauk, retsenzent, MARIYINIKHIN, A.B., dok. nauch. tekhn. nauk, nauchn.red., AKADOVICH, S.M., dok.

[Automotive logging machine: design, construction and operation of logging machine with examples and problems] Avtomobil'nye lesovoznyye mashiny: stroitel'stvo i ekspluatatsiya lesovoznykh mashin s primerymi i zadachami. Minsk, Vysshaya shkola, 1978, 120 p. (MIRA 18:12)

LEONOVICH, I. I. inzh. ...  
N

Change the markings in road machinery. Avt.dor. 21 no.6:30  
Ja '58. (MIRA 12:10)

(Road machinery)

SOV/124-58-8-9189

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 124 (USSR)

AUTHOR: Leonovich, I.I.

TITLE: On the Calculation of the Surfacing Layer of Automobile Highways  
Having a Wooden-log Foundation (K voprosu rascheta verkhnego  
stroyeniya avtolezhnevnykh dorog)

PERIODICAL: Sb. nauchn. tr. Belorussk. lesotekhn. in-ta, 1957, Nr 10,  
pp 259-267

ABSTRACT: Bibliographic entry

Card 1/1

LEONOVICH, I. I. Cand Tech Sci -- (diss) "Investigation of the use of log cover for vehicular forest roads," Moscow, 1960, 23 pp, 150 cop. (Moscow Forest Engineering Institute) (KL, 45-60, 126)

L 40854-66 EWP(e)/LWT(m)/EWP(v)/I WY/HH

ACC NR: AP6004215

(A)

SOURCE CODE: UR/0331/65/000/010/0022/0024

AUTHOR: Zhukov, V. V.; Leonovich, I. I.; Davydulin, G. G.; Zhukov, A. V.

ORG: none \*

TITLE: Binding materials used to reinforce surfaces of access roads in logging areas

SOURCE: Lesnaya promyshlennost', no. 10, 1965, 22-24

TOPIC TAGS: access road, soil property, soil consolidation, soil type

ABSTRACT: The article discusses studies conducted since 1960 by the Belorussian Transportation Institute in S. M. Kizov on the use of various types of roadbuilding and binding materials, e. g., gravel, cement, lime, etc., to reinforce the surfaces of dirt roads used primarily for the transportation of lumber in Belorussia. Studies of the physico-mechanical properties of soils treated by liquid bitumen, cement, lime, and peat show that a mixture of sandy soil and peat produces the highest degree of durability at a ratio of 30% peat to the weight of soil in dry weather conditions. This durability is increased by the addition of 15-20% of lime or 10-15% of cement, depending on the granulometric composition of the soil; when the soil is saturated by moisture, however, the durability considerably decreases. The greatest durability was obtained from the sand-gravel mixtures with a ratio of 40% of gravel to 50% of sandy soil. The

UDC: 634.383.4

Card 1/2

Card 2/2 MLP



BAGATURIYA, V.Ya.; LEONOVICH, K.E.

Controlling the boxwood gall gnat (*Monarthropalpus buxi* Lab.).  
Vest. Tbil. bot. sada no.69:131-133 '63. (MIRA 17:10)

~~SECRET~~

conditions for the mining of underground gas producers in lean  
oil sands. Trudy VNIIPromgazov no.12:27-32 '64.

(KIPR 18:9)

1. Laboratoriya koordinatsionnaya Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy profilaktiki ugley.

SOV/124-58 2-1756

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 38 (USSR)

AUTHOR: Leonovich, K. M.

TITLE: The Interrelationship Between the Aerodynamics of the Blast Flow and the Performance Indices of the Process of Underground Gasification of Coal (Vzaimosvyaz' mezhdu aerodinamikoy dut'yegazovykh potokov i tekhnologicheskimi pokazatelyam' protsessa PGU)

PERIODICAL: Podzemn. gazifikatsiya ugley, 1957, Nr 1, pp 32-38

ABSTRACT: A discussion of the fundamental trends in the investigation of the aerodynamics of the blast flow in the underground gasification of coal. Two main conditions are formulated for the formation of combustible gases: 1) Multiple feed of gas-blast flow to the reaction surface of the coal, and 2) reduction of the heat losses following the oxidizing reaction. The author analyzes the interrelationship between the aerodynamic activity of the gas-blast flows, the moisture content of the gas, the thermal regime of the process, and the heat value of the gas.

V. D. Sokolov

Card 1/1

*Leonovich, K.M.*  
LEONOVICH, K.M.

Aerodynamic means for controlling the underground gasification  
of coal. Podzem.gaz.ugl. no.3:25-31 '57. (MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut  
podzemnoy gazifikatsii ugley.

(Coal gasification, Underground) (Gas flow)

LEONOVICH, K.M.; VOLK, A.F.

First results of the underground coal gasification using  
directed air blast at the level of the coal seam. Podzem.  
gaz. ugl. no.3:47-52 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.  
(Coal gasification, Underground)

*28 NOV 1971*

Report prepared as a result of work on East and West Germany  
Korea, Cuba, and other countries.

RU-0312  
50

- 287. P. I. Potvin, Some Aspects of the Theory of the Structure of the Flow in Turbulent Flow in Pipes at Low Reynolds Numbers.
- 288. I. R. Nishchikov, N. P. Kuznetsov, L. R. Lashin, Structure in Turbulent Flow in Pipes at Low Reynolds Numbers.
- 289. V. I. Zakharenko, The Role of Turbulent Motion in Motion of Fluids.
- 290. N. G. Syntaks, New Investigation Results on Heat Transfer at Surface.
- 291. K. I. Isakova, The Theory of Convective Heat Transfer at Vortex Motion.
- 292. I. R. Nishchikov, N. P. Kuznetsov, L. S. Demchenko, Results on Heat Transfer at High Reynolds Numbers.
- 293. P. I. Potvin, Some Aspects of the Theory of the Structure of the Flow in Turbulent Flow in Pipes at Low Reynolds Numbers.
- 294. A. V. Anisimov, A. S. Kozlov, Some Aspects of the Theory of the Structure of the Flow in Turbulent Flow in Pipes at Low Reynolds Numbers.
- 295. G. A. Ostrovsky, Some Aspects of the Theory of the Structure of the Flow in Turbulent Flow in Pipes at Low Reynolds Numbers.
- 296. K. V. Zakharenko, Some Aspects of the Theory of the Structure of the Flow in Turbulent Flow in Pipes at Low Reynolds Numbers.
- 297. S. M. Rips, Some Aspects of the Theory of the Structure of the Flow in Turbulent Flow in Pipes at Low Reynolds Numbers.
- 298. G. V. Vasyunina, I. S. Anisimov, On the Determination of the Rate of Heat Transfer at Low Reynolds Numbers.
- 299. S. Rabinovich (1971), Heat and Mass Transfer at the Surface of a Turbulent Flow in Pipes at Convective and Convective-Gravitational Regimes.
- 300. A. S. Ginzburg, Actual Problems of Heat Transfer.
- 301. V. G. Kuznetsov, Heat and Mass Transfer at Surface of Turbulent Flow in Pipes at Convective and Convective-Gravitational Regimes.
- 302. P. I. Potvin, A. A. Lepikhina, Investigation of Turbulent Flow in Pipes at Low Reynolds Numbers.
- 303. A. P. Sorokin, Yu. K. Kopylov, Relative-Convective Heat Transfer in Pipes at Low Reynolds Numbers.
- 304. V. N. Zhuravskiy, A. R. Kopylov, Experimental Investigation of Heat and Mass Transfer in Turbulent Flow in Pipes at Convective and Convective-Gravitational Regimes.
- 305. O. A. Baulin, Investigation of Convective and Convective-Gravitational Heat Transfer in Pipes at Low Reynolds Numbers.

S/649/61/000/139/013/018  
1028/1228

AUTHOR: Leonovich, K. M.  
TITLE: Mechanism of the dynamic interaction between solid bodies and a gas  
SOURCE: Moscow. Institut inzhenerov zheleznodorozhnogo transporta. Trudy, no. 139. 1961.  
Teoriya podobiya i yeye primeneniye v teplotekhnike; trudy pervoi mezhvuzovskoy konferentsii, 163-173

TEXT: The value of shear stress at the wall and the head losses for different pipes are calculated with a consideration of the distinctive structure of the gas. Steady gas flow is considered as consisting of two parts: a) the flow nucleus, which can be treated by the macroscopic formulas, and b) the wall-adjointing layer, of thickness equal to the mean free path. The interaction between the flow nucleus and the wall is realized through the wall-adjointing layer. A result of this conception, corroborated by specially conducted investigations, is that the head losses and the intensity of the heat- and mass exchange depend on the velocity at the surface of the stream nucleus and on the mean free path. The shearing stress at the wall is determined on the basis of the molecular structure, and the value of the head losses in the gas stream calculated with its aid. The ratio between the head losses in two pipes of diameters  $d$  and  $d_1$  is found to be, for the case of equal mean velocities:

$$\Delta p_1 = \Delta p (d/d_1)^{9/7} \quad (9)$$

This formula was tested experimentally. There are 4 figures.

ASSOCIATION: VNII podzemgaz

Card 1/1

LEONOVICH, K.M.; LYSENKO, N.F.

Instrument measurement of the rate of heat and mass exchange between gas flows and enclosing walls. Nauch. trudy VNIIPodzemnaya no.9:7-21 '63. (MIRA 16:11)

1. Laboratoriya aerodinamicheskaya Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii ugley.



KOGAN, A.P.; KUZ'MINA, K.K.; LEONOVICH, M.V.; SILINA, V.V.

Improvement of methods for the inventory of commodities in  
drugstores. Sber. nauch. trud. TSANI 6:20-33 '64.

(MIRA 1964)

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

LEONOVICH, N., polkovnik; PLATNEV, M., polkovnik

Communication must operate around the clock. Voen. vest. 43  
no.9:97-98 S '63. (MIRA 16:10)

(Cumminications, Military)

LEONOVICH, N. V. (Co-author)

See: MAYSKIY, N. F.

Leonovich, N. V. and Mayskiy, N. F. "Methods of treating beer-brewing water," Pishch. prom-st' SSSR, Issue 12, 1949, p. 32-36

SO: U-3566, 15 March 53, (Letopis' Zhurnal'nykh Statey, No. 14, 1949).

LEONOVICH, N. V.

Cand Tech Sci

Dissertation: "Increasing the Amount of  
Unmalted Raw Materials in Production of Beer  
and the Effect of the Increase on the Quality  
of Beer."

30/6/50

Moscow Inst of National Economy Henri G. V. Fielding V.

**SO Vecheryaya Moskv.**  
**Sum 71**

Leonovich, N.V.

Dry substance losses of barley during malting and estimating the production. N. V. Leonovich and M. I.

Koltunova. *Trudy Vsesoyuz. Nauch.-Issledovatel. Inst. Pivovarennoi Prom.* 1953, No. 3, 8-10; *Referat. Zhur., Khim.* 1956, Abstr. No. 27572. The losses of dry barley substances during germination in relation to the temp. conditions and qual. indices of the grains are studied. It is established that the fermentation activity of the malt does not depend on the size of the grain, but is detd. by the biochem. properties of the barley. The higher the germination temp., the higher the losses. At 20°, after 5 days of germination, the losses are 2-2.5% higher than the losses at low temp. germination. The losses during the sprouting of barley (of a size remaining on a sieve with opening dimensions 2.5 X 20 mm.), when a high fermenting malt with short saccharification time is obtained, are 11.9%, mainly leaching 0.6%, formation of sprouts 1.2%, and evaporation 4.9%. With the grain size decrease, the losses increase (as compared with the 2.8 mm. size fraction) for each fraction as follows: 2.5-1.1, 2.2-1.3, 2-1.4, and smaller than 2 mm. by 2%. As an indicator, completely reflecting the efficiency of the malt producing factory and its quality of the malt, the % of usefulness of the barley ext. is indicated. This index is obtained by the product of the malt yield and its extractability divided by the extractability of the original (dry) barley. The % of ext. utilization is: for grains of fractions 2.8 mm. 90.8%, 2.5 mm. 88.0%, 2.2 mm. 81.4%, and 2.0 mm. 80.0%. N. Vasiloff

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LEONOVICH, N. V.

4586. LEONOVICH, N. V. ekspluatatsiya avtomaticheskoy linti dlya rozliva piva na zavode i meni stepana razina. 1954. 16 s. 20 sm. (m-vo prom-sti prodovol'stv. tovarov SSSR. tekhn. upr. opyt novatorou proizvodstva). 3.000 ekz. bespl.-bez tit. l. i. obl.-/55-65/p

663.4/683.562

SO: Knizhnaya Letopis', Vol. 1, 1956

LEONOVICH, N.V.

Gluten as a negative characteristic of barley for brewing. Trudy  
VNIIPP no.4:85-98 '54. (MIRA 10:1)  
(Gluten) (Barley)

LEONOVICH, N.V.

USSR/Chemical Technology - Chemical Products and Their  
Application. Fermentation Industry.

I-12

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2852

Author : Leonovich, N.V., Koltunova, M.I.

Inst : All-Union Scientific Research Institute of the Brewing  
Industry

Title : Determination of the Actual Volumetric Losses in the  
Individual Stages of Brewing

Orig Pub : Tr. Vses. n.-i. in-ta pivovar. prom-sti, 1957, No 6, 43-49

Abstract : At 6 breweries of different output capacity determinations  
were made of the volumetric losses during cooling of wort,  
in the fermentation department and in that of the aging  
of beer. The average values thus obtained (in % on the  
basis of the volume of the hot wort) were, respectively  
5.7, 2.5 and 3.0; total 11.2. Also determined was the

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LEONOVICH, H.V.; GUSEVA, R.I.

Technology of preparation of diatomite material for the filtration of beer. Trudy VNIIPP no.7:48-55 '59.  
(MIRA 13:5)

(Kieselguhr) (Brewing)

LEONOVICH, N.V.; KOLTUNOVA, M.I.

Biochemical characteristics of changes in beer caused by  
pasteurization. Trudy VNIIPP no.7:64-69 '59.  
(MIRA 13:5)

(Beer)

LEONOVICH, N.V.; ASLANOV, A.Ye.; FINOGENOVA, T.V.

Peculiarities of the main fermentation of Stolichnoe-brand  
beer. Trudy VNIIPP no.7:70-73 '59. (MIRA 13:5)  
(Beer) (Fermentation)

LEGONOVICH, N.V.; BUKOVSKIY, P.I.

Biochemical composition of difficultly washing barley. Trudy  
TSentr. nauch.-issl. inst. piv., beznik. i vin. prom. no.10:  
71-90 '63. (MIRA 14:8)

LEONOVICH, N.V.

Accounting for beer production by the extract. Study 16ent.  
match..issl. inst. piv., bevaik. i vin. prom. no.10:122-129  
'65. (MIRA 17-8)

LEONOVICH, N.V.; KAPROVA, Yu.D.

Extraction of proteolytic enzymes from malt shoots. Trudy  
TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no.10:  
130-132 '63. (MIRA 17:8)

ADAMYAN, M.S.; LEONOVICH, V.E.

Occurrence of the Caucasian crossbill *Loxia curvirostra caucasica*  
But. in the Armenian S.S.R. Izv. AN Arm. SSR. Biol. nauki 18  
no.4:73-77 Ap '65. (MIRA 18:5)

1. Zoologicheskii Institut AN Armyanskoy SSR.

SPANGENBERG, Ye.P., LEONOVICH, V.V.

Effect of human activities on birds of the eastern shore of the  
White Sea [with summary in English]. Biol.MOIP. Otdel.biol. 63  
no.5:23-29 S-O '58 (MIRA 11:12)  
(WHITE SEA REGION--BIRDS)



SPANGENBERG, Ye.P.; LEONOVICH, V.V.

Ecology of raptorial birds on the Kanin Peninsula. Uch. zap. Mosk.  
un. no.197:49-60 '58. (MIRA 11:9)  
(Kanin Peninsula--Birds of prey)

SPANGENBERG, Ye., LEONOVICH, V.V.

Possibility of mass capture of geese for banding. Migr.zhiv.  
no.1:139-140 '59. (MIRA 13:6)

1. Gosudarstvennyy zoologicheskiy muzey Moskovskogo gosudarst-  
vennogo universiteta.  
(Geese) (Bird banding)

LEONOVICH, V.V.

Ornithogeographical investigations in the eastern shore area of the  
White Sea. Biol. MOIP. Otd. biol. 65 no. 4:122 J1-Ag '60.

(MIRA 13:10)

(WHITE SEA REGION--BIRDS--GEOGRAPHICAL DISTRIBUTION)

LEONOVICH, V.V. (Moskva); ZALETAYEV, V.S. (Moskva)

Under the protection of the strong. Priroda 52 no.3:91-96  
'63. (MIRA 16:4)

(Birds--Behavior)

LEONOVICH, V.V.; USPENSKIY, S.M.

Climate characteristics and the life of birds in the Arctic.  
Trudy Inst. biol. UFAN SSSR no.38:141-148 '65. (MIRA 18:12)

LEONOVICH, V. V.

Use of acidophilus milk in animal husbandry Moskva, Gos. izd-vo selkhoz, lit-ry, 1952.  
31 p. (Biblioteka kolkhoznika)

USSR / Microbiology. Symbiosis.

F

Abs Jour : Ref. Zhur - Biol., No. 21, 1958, No 95070

Author : Polonskaya, M.S.; Leonovich, V.V.; Biberdiyeva,  
M. P.; Poperskova, T.M.

Inst : -

Title : Combining Cultivations of Acidophilic Bacteria  
with Azotobacter.

Orig Pub : Byul. nauchno-tekhn. inform. po s.-kh. mikrobiol.,  
1957, No. 3, 38-41

Abstract : It is proposed to use azotobacter chroococcum  
(or its filtrate) an organism which forms vita-  
mins of B-complex, for the increase of energy of  
multiplication, strengthening of antibiotic ac-  
tivity and lengthening of the viable period of  
the acidophilic bacteria. The simultaneous  
feeding of azotobacter with acidophilic cultures

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LEONOVICH, V. V.

"Interrelation Between the Representatives of the Usual Intestinal Microflora of Agricultural Animals

Tr. Vses. N.-I. In-ta S.-Kh Mikrobiologii, No. 2, 1953, 43-47

In a filtrate of a culture of lactic acid streptococci from various animals, the growth of specific acidophilic bacteria was sharply reduced. The greatest reduction was found in streptococci from the intestines of young pigs who have specific acidophilic bacteria. Experiments with other animals convinced the author that absence of lactic acid bacilli in the intestines of ducklings and foals for instance, can explain the presence in these animals of the large number of acidophilic streptococci which are antagonists of the acidophilic bacilli. (RZhBiol, No 9, May 1955)

SO: Sum-No 787, 12 Jan 56



LEONOVICH, V. V.

"Concentrate of Bacteriostatic Substances from Acidophilic Bacteria"

Polonskaya, M.S.; Leonovich, V.V.; Biberdiyeva, M.P.

Dokl. VASKhNIL, No. 8, 1953, pp 21-25

abs.

W-31098, 26 Nov 54

ABYZOVA, L.F.; POLONSKAYA, M.S.; LEONOVICH, V.V.

Desiccation of *Lactobacillus acidophilus* in pure culture and  
together with *Azotobacter*. Dokl. Akad. sel'khoz. nauk no.2:23-24  
F '65. (MIRA 18:5)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo  
instituta sel'skokhozyaystvennoy mikrobiologii.

KRECHMAR, V.V.; LEONOVICH, V.V.

Spring migration of birds over the western Taymyr Peninsula.  
Ornitologia no. 7:29-35 '65. (MIRA 18:10)

ANDRONOV, A.A. [deceased]; LEONOVICH, Ye.A. (Gor'kiy)

Dynamic systems of the first degree of nonroughness on  
a plane. Conditions necessary for a state of the first  
degree of nonroughness of a dynamic system (G - conditions).  
Ist. sbor. 68 no.3:328-372 H '65.

(MIRA 18:11)

LEONOW, A.

KANIAX, J.; LEONOW, A.

Prothrombin level in thromboangiitis obliterans treated by  
insulin-induced hypoglycemia. Polski tygod. lek. 6 no. 45-46:  
1489-1497 12 Nov. 1951. (CJML 21:3)

1. Of the Second Clinic of Internal Diseases (Head--A. Falkiewicz,  
M. D.) and of the Institute of General and Experimental Pathology  
(Head--Prof. Hugon Kowarzyk, M. D.) of Wroclaw Medical Academy.

LEONOW, A.

Comparative studies on prothrombia level and on serum accelerator in the blood in man. Przegl. lek., Krakow 9 no.2:48-55 1953. (CJML 24:5)

1. Of the Institute of General and Experimental Pathology (Head--Prof. Hugon Kowarzyk, M.D.) of Wroclaw Medical Academy.

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LEONOWICZ, Andrzej; TROJANOWSKI, Jerzy

Exoenzymes in fungi degrading lignin. I. *Pholiota mutabilis*.  
*Acta microbiol. Pol.* 14 no.1:55-61 '65.

1. From the Department of Biochemistry, Marie Curie-Sklodowska  
University, Lublin.



LEONOWICZ, Konstanty (Gdansk, Panstw. Szpital Klin. II Klin. Chor. Wewn.)

Mental disorders in liver cirrhosis. Polski tygod. lek. 12 no.38:  
1467-1470 16 Sept 57.

1. (Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Gdansku;  
kierownik: prof. dr Jakub Penson).  
(LIVER CIRRHOSIS, complications,  
ment. disord. (Pol))  
(MENTAL DISORDERS, etiology and pathogenesis,  
liver cirrhosis (Pol))

LEONOWICZ, Konstanty; TAPIER, Henryk

A case of dissecting aortic aneurysm. Polski tygod. lek. 14 no.30:  
1402-1404 27 July 59.

1. (Z Kliniki Chorob Wewnętrznych A. M. w Gdansk: kierownik: prof.  
dr med. Jakub Penson i z Zakładu Anatomii Patologicznej A. M. w  
Gdansk; kierownik: prof. dr med. Wilhelm Czarnocki)  
(AORTIC ANEURYSM, pathol.)

LEONOWICZ, Konstanty

Significance of paper electrophoresis of blood proteins in  
the prognosis and control of therapy of Bouillaud's disease.  
Polskie arch.med.wewn. 29 no.5:637-643 '59.

1. Z II Kliniki Chorob Wewnętrznych A. M. w Gdańsku Kierownik:  
prof. dr med. J. Penson.  
(ENDOCARDITIS SUBACUTE BACTERIAL blood)  
(BLOOD PROTEINS)

BOROWSKA-LEHMAN, Jolanta; HOROSZYK, Stefania; LEONOWICZ, Kontanty

Necrosis of the renal papillae. Polskie arch. med. wewn. 29 no.7:  
929-940 1959

1. Z II Kliniki Chorob Wewnętrznych A. M. w.Gdansku Kierownik: prof.  
dr med. J. Penson i z Zakładu Anatomii Patologicznej A. M. G. Kierownik:  
prof. dr nauk med. W. Czarnocki.  
(KIDNEY DISEASES, pathol.) (NECROSIS, pathol.)

LEONOWICZ, Konstanty; KEMPA, Jadwiga

Effect of heparin and decholine on Congo red binding by serum proteins during nutritional lipemia. Polski tygod. lek. 15 no.21:777-778 23 May '60.

1. Z II Kliniki Chorob Wewnętrznych A.M. w Gdansk, kierownik:  
prof. dr Jakub Penson

(BILE ACIDS AND SALTS pharmacol)

(HEPARIN pharmacol)

(BLOOD PROTEINS)

(AZO COMPOUNDS blood)

(LIPIDS blood)

LEONOWICZ, Konstanty; STOLARCZYK, Julian

Bilateral thrombosis of the renal artery. Polski tygod; lek. 16  
no.52:2025-2026 25 D '61.

1. Z II Kliniki Chorob Wewnetrznych AM w Gdansku; kierownik: prof.  
dr Jakub Penson i z Zakladu Anatomii Patologicznej AM w Gdansku;  
kierownik: prof. dr Wilhelm Czarnocki.  
    (RENAL ARTERY dis)           (THROMBOSIS case reports)

TENCZYNSKI, Leon; LEONOWICZ, Konstanty

Primary thyro-adrenal hypofunction. Endodr. pol. 13 no.1:95-100  
'62.

1. II Klinika Chorob Wewnętrznych AM w Gdansk w Kierownik: prof.  
dr J. Penson.

(MYXEDEMA compl)

(ADRENAL CORTEX dis)

LEONOWICZ, Konstanty

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Marsan-Krawiec, Przyrodni lekarzki, Vol 18, Ser 2, No 4, 1962.

1. "Early Diagnosis of Multiple Sclerosis. III, Notes and Other Symptoms." Wojciech (Jan) of the Psychoneurological Institute (Psychoneurological Institute); Prace Instytutu Psychoneurologicznego (Director: Prof. Z. Kulczycki, MD); pp 173-175 (English summary).
2. "Action of Antibiotics in Bacterial Otitis Media." B. KULCZYCKI, C. LACZYNSKI, D. ROZALA, and A. HAJDACHOWSKI. Prace Instytutu Psychoneurologicznego at Bytom (Director: Prof. Dr. K. Kulczycki) and of the Neurological Research Office (Director: Prof. Dr. K. Kulczycki) at Krakow (Director: Prof. Dr. K. Kulczycki); pp 173-182. (English summary).
3. "Reproductive Treatment." Anna ROZALA and Alexander W. KULCZYCKI. Prace Instytutu Psychoneurologicznego at Bytom (Director: Prof. Dr. K. Kulczycki) and of the Neurological Research Office (Director: Prof. Dr. K. Kulczycki) at Krakow (Director: Prof. Dr. K. Kulczycki); pp 182-185. (English summary).
4. "New Frequent Errors in Clinical Diagnosis Paratuberculous." Anna ROZALA and Alexander W. KULCZYCKI. Prace Instytutu Psychoneurologicznego at Bytom (Director: Prof. Dr. K. Kulczycki) and of the Neurological Research Office (Director: Prof. Dr. K. Kulczycki); pp 185-190. (English summary).
5. "Experiments of Tumor Diagnosis with the Schaller Method." Jerry MICHAEL-ROZALA, Leszek NALSKI, and Konstanty LEONOWICZ. Prace Instytutu Psychoneurologicznego at Bytom (Director: Prof. Dr. K. Kulczycki) and of the Neurological Research Office (Director: Prof. Dr. K. Kulczycki); pp 190-195. (English summary).
6. "Character Action of Preparation P 139 (Ternate). II. Studies in Rodent Tumor Models." Konstanty LEONOWICZ, Leszek NALSKI, and Anna ROZALA. Prace Instytutu Psychoneurologicznego at Bytom (Director: Prof. Dr. K. Kulczycki) and of the Neurological Research Office (Director: Prof. Dr. K. Kulczycki); pp 195-200. (English summary).



LEWONICZ, Konstanty

Effect of emotions evoked by urinary catheterization on the excretion of 3-methoxy-4-hydromandelic acid. Pol. tyg. lek. 19 no.51: 1952-1955 21 D 164

1. Z II Kliniki Chorob Wewnętrznych Akademii Medycyny w Gdańsku (Kierownik: prof. dr. Jakub Fencon).

LEONOWICZ, Konstanty

Urinary excretion of 3-methoxy-4-hydroxymandelic acid under the effect of strong emotions causing increased arterial pressure. Pol. tyg. lek. 19 no.52:1993-1995 28 D'64.

1. Z II Kliniki Chorob Wewnętrznych Akademii Medycznej w Gdansk (kierownik: prof. dr. Jakub Penson).

LEONOWICZ, R.

Description of the construction of blocks from slag and concrete  
excited on a circular crusher built into the experimental building  
Praga II. P. 42  
PRZEGLAD BUDOWLANY. (Naczelna Organizacja Techniczna i Polski Zwiasek  
Inzynierow i Technikow Budownictwa) Warszawa.  
Vol. 28, no. 1, Jan. 1956

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

LEONOWICZ, Roman (Warszawa)

Economy of high building in Warsaw. Przegl ~~budowl~~ i bud  
mieszk 33 no.3:145-147 Mr'61

LEONOWICZ, ROMAN

H-13

POLAND/Chemical Technology - Chemical Products and Their  
Application - Ceramics, Glass, Binders, Concrete.

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8825

Author : Wolf Jozef, Leonowicz Roman

Inst : Institute of Housing Construction.

Title : Investigation of Slag-Concrete Roused in Crusher-Roll  
Mill.

Orig Pub : Prace Inst. budown. mieszk., 1957, 6, No 17, 17-27

Abstract : Description of results of experiments on production of  
roused slag-concrete (RSC) based on local fuel slag, gra-  
de 250 portland cement and slaked lime. Blocks made of  
RSC were tested under building conditions and showed the  
following increase in strength as compared with the  
strength after 24 hours: 14 days about 50%, after 28

Card 1/2

LEONTE, A.

RUMANIA / Cultivated Plants, Grains.

M-3

Abs Jour: Ref Zhur-Biol., 1958, No 15, 72914.

Author : Pintea, C.; Plea, D.; Popescu, I.; Lazar, I.;  
Leonte, A.; Untu, A.;

Inst : Not given.

Title : Influence of Micro-Elements on the Growth and De-  
velopment of Corn.

Orig Pub: Studii si cercetari stiint. Acad. RPR Fil. Iasi.  
Biol. si stinnte agric.. 1956, 7, No 1, 153-160.

Abstract: Treatment of seeds with boric acid in a concen-  
tration of 0.2% accelerates the appearance of pan-  
icles by 3-4 days, ripening of ears and increases  
the grain harvest (by 7-23%). If the plants are  
sprayed with boric acid the influence of the boron  
is weaker. Nitric acid uranium lengthens the rip-  
ening period of the ears and increases the harvest.

Card 1/2

LATCU, D., prof. (Hunedoara); PETRESCU, N., prof. (Tg. Carbuaresti); CERCHEZ, Miha; ZENEUBISI, I., prof. (P. Neamt); TEODORESCU, Voltaire ( P. Neamt); IONESCU-TIU, C.; TOMESCU, Ion (Bucaresti); DUMITREASA, Gh. (P. Neamt); MIHAILESCU, D., prof. (Pitesti); DUMITRU, Acu (Cluj); LEONTE, Alexandru (Bucaresti); ANGHELACHE, Tudorica (Bucaresti); POPA, Al. (Pucioasa); BRINZANESCU, V. (Bucaresti); LUSTIG, Gh. (Bucaresti); ISAC, E. (Tg. Jiu); LEVIN, Alexandru (Tallin, U.S.S.R.); SIMION, A. (Bacau); AVADANEI, Cornelia ( P. Neamt); SIMIONESCU, Gh.D.; FLONDOR, Elena, (Bucuresti)

Proposed problems in mathematics. Gaz. mat B 15 no.4:172-177  
Ap '64.

Rumania/Soil Science. Physical and Chemical Properties of J  
Soils

Abs Jour : Ref Zhur-Biol., No 13, 1958, 58290, By P. Sh

Author : Pintea C., Leonte Angela, Untu Aurelia

Inst : Not given

Title : Dynamics of Phosphates in Podzol Soils

Orig Pub : Probl. agric., 1956, 5, No 10, 29-37

Abstract : Results of the investigations conducted at the  
Yassk Agrochemical Laboratory to determine the  
content of mobile forms of F in soils and their  
dependence on the mechanical composition of the  
soils, their water regimen, the reaction of the  
soil solutions, the periods of introduction of  
phosphate fertilizers into the soil, and the  
quantities of the fertilizers used are presented.

Card 1/1



PINTEA, C.; TARNAUCEANU, F.; UNTU, A.; CIUREA, G.; LEONTE, A.

Efficiency of combined microelements applied to corn,  
sunflowers, and sugar beets. Studii biol agr Iasi 13  
no.2:349-358 '62.

MARCOVICI, M., ing.; LEONTE, A., ing.

Some aspects of the achievements in crankshafts at the  
23 August Plant in Bucharest. Constr mas 16 no. 1:2-7 Ja '64.

L 64941-65 EWP(d)/EPF(c)/EWP(1)/EWP(f)/T-2/EWP(t)/EWP(b)/EWA(c) JD/WB

ACCESSION NR: AP5023540

RU/0018/34/000/011/0612/0616

AUTHOR: Leonte, Anton 30  
B

TITLE: Some coating and protection methods of internal-combustion engine parts

SOURCE: Constructia de masini, no. 11, 1964, 612-616

TOPIC TAGS: internal combustion engine component, internal combustion engine, corrosion protection, metal corrosion

ABSTRACT: After a brief discussion of the corrosion process in parts of internal-combustion engines, the author summarizes the principal methods for its prevention or retardation. Orig. Art. Incl.: 2 figures, 3 graphs, and 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: PR

NR REF SOV: 000

OTHER: 000

JPRS

1/1

Leonte, A.; Pintea, G.; Untu, A.

The influence of the microelements boron and uranium on the chlorophyll content and yield of wheat. p. 111.

INSTITUTUL DE INFORMATICA. (Institutul Aeronomic "Profesor Ion Ionescu de la Brad," Iasi) Bucuresti, Romania.

Monthly list of East European acquisitions (LIS) LI, Vol. 7, no. 1, Aug. 1989

Uncl.

PETRESCU, Anastasie (Craiova); DINULESCU, C., prof. (Buzau); ZAMFIRESCU, Tudor; VASILIU, Florian (Bacau); LEONTE, A. (Bucuresti); OPREA, Miron (Ploiesti); POPESCU, Gh.; MANESCU, I., prof. (Rimnicu Vilcea); BAGHINA, V., prof (Breaza); MASGRAS, V. (Bucuresti)

Solved problems. Gaz mat B 14 no.6:343-356 Je '63.

BRINZANESCU, V. (Constanta); PASCALESCU, H. (Ploiesti); IONESCU-TIU, G.;  
CNOBRAS, E., prof. (Ploiesti); LEONTE, Aristide (Galova); KUTLIK,  
Martin, prof. (Vineu de Sca); LUPAN, M.L. (Lipansk, U.S.S.R.);  
BIRZAN, Romanel (Cluj); GRINCESCU, Sorhan (Bucuresti)

Solved problems. Gaz mat B 16 no.1:17-31 Ja '65.

TIBU, Margareta; LEONTE, Candiano; VISCRIAN, I.

Study of some organic scintillators in solutions. Studii fiz tehn  
Iasi 12 no.2:199-205 '61.

LEONTI, CORNELIA

*Jan 1954*

~~The decomposition of sodium amalgam. Constantin~~  
~~Callstru, Aurel Popovici, Cornelia Leonte, and Neculai~~  
~~Petcov. Acad. rep. popul. sci. ser. chim. 1954, 1, 180-90(1954).~~  
 Conditions were investigated in which external elec. current was applied to the graphite-Na-amalgam local cells to decomp. the latter. The decompn. speed of Na amalgam could be doubled. The external elec. current was useful only when the current, through each graphite electrode, was below  $\approx 0.700$  amp. The thickness of the amalgam layer on the electrode could not exceed 5 mm. This method permitted the utilization of a smaller amt. of Hg and at higher concn. of NaOH in the industrial cells, even with external elec. energy. If the initial current on each electrode, and the amalgam layer thickness did not exceed a predetd. value, for the decompn. of Na amalgam by the conventional effect of graphite, the speed was an inverse function of the initial p.d. between graphite and amalgam. It was proposed that this p.d. could be diminished by lowering the graphite in amalgam more than is usual at present. f. Z. Denessy.

4

*PM*



LECT II-C

2 Kinetic decomposition of sodium amalgam in solutions of sodium hydroxide. Const. Calistru, Aurel Popovici, Cornelia Leonte, and Mayer Herbcovici. Acad. rep. Romania (1954), Studii cercetari stiinf. 5, No. 1/2, 107-213(1954).—The av. speed of decompn. of Na amalgam was variable, but it occurred unexpectedly during degradation. This phenomenon was observed during the decompn. of amalgam by H<sub>2</sub>O or dild. and concd. solns. of NaOH at 25-50° in a cell-insol. electrode [NaOH soln.; amalgam. (short-circuit caused by the container as in the decompn. of the same unit in direct short-circuit, where the insol. electrode was placed in the amalgam)]. The variation was graphically traced as a function of time-amalgam [NaOH soln.] insol. electrode (at short-circuit) with ammeter. The decompn. speed could be promoted generally, if in some cases, the existence of a period was considered when the amalgam preponderantly decompd. at the fastest rate, independent of the insol. electrode. The factors which promoted the H overvoltage decreased at the insol. electrode and facilitated the decompn. speed during the most active period of the process. On the base of the modification periods of decompn. speed, amalgam and NaOH soln. circulation could be concurrent or countercurrent. After the abrupt decrease in the decompn. speed, the Na sediment could be linked to the amalgam layer, thereby decreasing its initial thickness which, in turn, generally could shorten the final decompn. time. SiC and graphite were used as insol. electrodes. A partial or total substitution of the graphite by silicon carbide increased the decompn. speed of the amalgam, but in case of substitution, the time variations in the speed of decompn. had to be considered as well as the thickness of the amalgam layer. T. Z. Denessy

3

6

PM

LEONTE, CORNELIA

7 7

The influence of electrode distance in the electrolysis of sodium chloride with a mercury cathode. C. Calistru, Aurel Popovici, and Cornelia Leonte (Inst. Politeh. Iasi, Rep. populare, Romania), *Bib. int. politich. Iasi* 1, No. 1/2, 67-78 (1966). — This paper presents the results obtained in studying the effect of the distance between electrodes on the efficiency of the electrolysis. Temp., concn., electrolyte circulation, and c.d. were also considered. It was found that a max. efficiency can be obtained for short distance between the electrodes. In this case the temp., c.d., and electrolyte circulation are cit. R. Mavrodineanu

EM - fra  
ang

LEONTE, C.

Method for Production of Sodium Carbonate Simultaneously with Chlorine  
and Caustic Soda by means of Electrolysis with a Mercury Cathode.  
Revista De Chimie (Journal of Chemistry), #2:67:Feb 55

LEONTE, CORNELIA

LEONTE, C.

HUNG.

Combining the manufacture of soda ash with the electrolysis of sodium chloride by the mercury cathode method. Constantin Callistru, Ion Curilevic, and Cornelia Leonte. Rev. Chim. (Bucharest) 6, 67-71 (1956).—A process is proposed which would combine in one plant the electrolysis of NaCl from brine and the manuf. of  $\text{Na}_2\text{CO}_3$  by a slightly modified Solvay process. The 2 units would operate alternately. A flow sheet is shown. Gerard Audéger...

Handwritten initials and a date: "H" and "25".

LEONTI, Iumitru

Practical efficiency, a criterion of appreciation  
in the work of organization. Munca sindic 7 no.12:  
35-38 D '63.

1. Presedintele Consiliului regional al sindicatelor, Iasi.

POTOP, P.; BADESCU, V., chim.; ZARCUZON, A.; LEONTE, E.

Obtaining potassium salts from soluble salt deposits. Pt.2.  
Rev chimie Min petr 14 no.10:565-573 0'63.

1. Lucrarile au fost executate in laboratorul de tehnologie anorganica din Institutul de Cercetari Chimice al Ministerului Industriei Petrolului si Chimiei.

RUMANIA / Chemical Technology. Fats and Oils. Waxes. H-25  
Soaps. Detergents. Flotation Agents.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 79186.

Author : Harati, I., Schip, R., Leonte, E.  
Inst : Not given.  
Title : Pure Lanolin.

Orig Pub: Rev. Chim., 1957, 8, No 11, 703-709.

Abstract: The construction designs of a set-up, and the technology of a process for a new adsorption method for the preparation of lanolin (L) from wool and its purification are described. An aqueous emulsion of L (after wool washing) is agitated at an optional pH with  $\text{CaSO}_4$  (which adsorbs L quantitatively), filtered by suction under vacuum or squeezed in a filter press, dried at  $50^\circ\text{C}$ . (in darkness) and, after being crushed, the L is extracted with benzene in a column working

Card 1/2

58

COUNTRY : Rumania L-3  
 CATEGORY : Analytical Chemistry - Analysis of Organic  
 Substances.  
 RES. JOUR. : ROKhim., No. 19, 1959, No. 177-1  
 TITLE : Method of analysis of organic substances  
 : in the presence of water vapor

ORIG. PUB. : Khim. Sibir. Univ. Inst., 1959, Ser. 1, 4,  
 No 1, 199-200

ABSTRACT : A method is proposed for the analysis of organic substances in the presence of water vapor. The method is based on the principle of the condensation of the substance in a stream of air in a special apparatus. The apparatus consists in providing the condensation tube with a special heating coil long for the condensation of air, which extends to the sample and the detector. After pyrolysis, the sample is moved by means of a special device. The method is such a manner that the heating extends to the end of the detector, and the stream of air is stopped. When the stream is stopped off, the procedure in the condensation of the sample is rapidly and completely, and the condensation of the organic substance is completed in 10-20 minutes. -- B. F. F. F.



LEONTE, Mirca, ing.

Theoretical bases of a loader with inertia. Rev min 13 no.1:32-35  
Ja '62.

LEONTE, Mircea; BESCHIA, Magda; PASCARU, Elvira; STOICA, Maria

Studies on the Fries rearrangement. Studia Univ B-B S Chem  
8 no.1:281-296 '63

1. Galati Polytechnic Institute.

LEONTE, Mircea, ing.

Long-term plan of innovations. Rev min 14 no.2:93 F '63.

LEONTE, M., ing.

Exploitation technology of an ore deposit at the Ghelar mine. Rev  
min 14 no.3:108-112 Mr '63.

CORLATEANU, V., prof.; BERGMAN, Iosif; SERBAN, Gh.; LEONTE, P.; STIRBU, V.

Self-excitation of the three-phase machine with collector, fed by a stator with three brushes on the couple of the poles. Running of the self-excited machines having a load in series with primary circuit. Studii fiz tehn Iasi 12 no.2:249-265 '61.

1. Institutul politehnic, Iasi, Catedra de masuri si masini electrice, laboratorul de masini electrice. 2. Membru al Comitetului de redactie, "Studii si cercetari stiintifice, Fizica si stiinte tehnice" - Filiala Iasi- (for Corlateanu).

BERGMAN, I.; CORLATEANU, V., prof.; SERBAN, Ch.; LEONTE, P.; STIRBU, V.

Some observations on the running of the three-phase machines with collector, fed by stator, under the working conditions of a generator. Studii fiz tehn Iasi 12 no.2:375-382 '61.

1. Membru al Comitetului de redactie, "Studii si cercetari stiintifice, Fizica si stiinte tehnice" -Filiala Iasi- (for Corlatoanu).

LEONTE, V.; POGIRNEATA, N.

Contributions to the knowledge of the age and dimension of the migration of the Danube sturgeon in connection with industrial fishing. Hidrologia 4:287-297 '63.

LEONTE, V

J. G. / A.D.  
4E2d(b)

4

New types of batteries with silver chloride depolarizer.  
 I. Primary batteries. S. Sterberg, S. Rottner, and  
 Viorica Leonte. Acad. rep. populare Romine, Studii cer-  
 centif. chim. 7, 95-105 (1959).—A new type of primary bat-  
 tery is proposed with AgCl as depolariser; it has a con-  
 siderable advantage over MnO<sub>2</sub>-depolarised, Leclanché-  
 type batteries. The current was practically const. through-  
 out discharge at large currents (up to 1/4 of nominal capac-  
 ity, as compared to 1-100 with Leclanché cells) with small  
 loss of capacity. Sp. capacity (based on wt. or vol.) was  
 larger. The depolariser was completely recoverable, trans-  
 forming through discharge into pure metal; the same was  
 true for the Ag leaf employed for conduction. The cell  
 was constructed of a 10 × 30-mm. Ag leaf on which an  
 AgCl layer had been laminated and a 30 × 10 × 0.5-mm.  
 Zn plate having its soln. side amalgamated. The electro-  
 lyte was regular Leclanché type, imbibed into a few paper  
 leaves. The cell was enclosed within a poly(vinyl chloride)  
 ring, and superposition of cells gave a battery of identical  
 and additive properties, i.e. current was const. and e.m.f.  
 was a multiple of the cell e.m.f. of a single cell. M. Lapidot



ROMANIA/General Biology. General Hydrobiology.

B-6

Abs Jour : Ref Zhur-Biol., No 16, 1958, 71674

Author : Teodorescu-Leonte, Rodica; Leonte, Vasile;  
Dumitre, Matei; Soileanu, Bona

Inst : Institute of Piscicultural Research.

Title : Investigation of the Network of the Razelm-Sinoe Lakes during 1950-1952.

Orig Pub : An. Inst. cercetari piscic., 1956, 1 (4),  
1-50

Abstract : Origin and evolution of the Razelm-Sinoe Lakes system, and the geomorphological, climatic and hydrographic features of this network of reservoirs are described. Hydrochemical and hydrobiological characteristics of the lakes as a fishery area are given.

Card : 1/1

Leonte, V.; Theodorescu Leonte, R.; Popescu, I.

Ichthyologic aspects of the Danube River delta. p. 219.

HIDROBIOLOGIA. (Academia Republicii Populare Romine. Comisie de Hidrologie, hidrobiologie si Ihtologie) Bucuresti, Rumania. Vol. 1, 1958.

Monthly list of East European Accessions (MEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

LEONTENKO, D. (g.Nikolayev); SAKSONOV, S. (g.Nikolayev)

"Excellent" say the specialists. Izobr.i rats. no.12:18 D '61.  
(MIRA 14:12)

1. Predsedatel' oblastnogo soveta Vsesoyuznogo obshchestva  
izobretateley i ratsionalizatorov (for Leontenko). 2. Zaveduyushchiy  
promyshlennno-transportnym otdelom gazety "Yuzhnaya pravda" (for  
Saksonov).

(Nikolayev---Research, Industrial)

LEONTENKOV, A.I., inzhener.

Automatic control of feeding the slurry into rotary kilns. Tsement  
17 no.5:9-11 S-0 '51. (MLRA 9:8)  
(Kilns, Rotary) (Automatic control)

LEONTENOV, A. I., inzhener.

Automation of processes in cement production. Stroi. mat. 3 no. 4:  
16-19 Ap '57. (MIRA 10:6)  
(Automatic control) (Cement industries)

ITSKOVICH, Emmanuil L'vovich, LOSHCINSKAYA, Anna Valer'yanovna.; LECHTENKOV,  
A.I., nauchnyy red.; TYUTYUNIK, M.S., red.; GILENSON, P.G., tekhn. red.

[Automatic control in the burning of cement clinker] Avtomaticheskii  
kontrol' obshiga tsementnogo klinkera. Moskva, Gos. izd-vo lit-ry  
po stroit., arkhit. i stroit. materialam, 1958. 48 p. (MIRA 11:10)  
(Cement kilns)  
(Automatic control)

BEREZA, V.<sup>1</sup>Sh.; LEONTENKOV, A.I., inzh., nauchnyy red.; TYUTYUNIK, M.S.,  
red.izd-va; EL'KINA, E.M., tekhn.red.

[Automatic control of milling processes in ball mills] Avto-  
matischeskoe regulirovanie protsessa pomola v sharovoi mel'nitse.  
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam,  
1959. 73 p. (MIRA 12:8)  
(Automatic control) (Milling machinery)

15(6)

SOV/101-59-4-2/10

AUTHORS: Leontenkov, A.I. and Gol'dfarb, Yu.M.

TITLE: A New Pickup for the Charging Regulator of Ball Mills

PERIODICAL: Tsement, 1959, Nr 4, pp 5-8 (USSR)

ABSTRACT: The authors state that application of the electro-acoustic regulator for charging ball mills has proved its usefulness in cement plants. The regulator insures an increase of the average output per hour and a reduction in specific consumption of electric energy; a better uniformity in the fineness of the ground product is obtained. The regulator, having a microphone for the pickup, is subjected to certain acoustic impediments created by adjacent mills and other sources of noise. An induction pickup, diagram 1 (Figure 1), has been designed and tested in 1958. It consists of two parallel permanent magnets with opposed poles and of a ferrit core coil, whose axis coincides with the line of zero intensity of the magnetic field. This line, in turn, coincides with the

Card 1/3



SOV/101-59-4-2/10

A New Pickup for the Charging Regulator of Ball Mills

magnets' axis of symmetry, diagram 2 (left) (Figure 2). The magnetic field is distorted by a ferromagnetic element placed near the ends of the magnets and a deviation of the zero intensity line, diagram 2 (right) (Figure 2), will result. Oscillations of the ferromagnetic element create an induction of electromotive force with a frequency equal to the oscillation frequency of the ferromagnetic element. The induction pickup responds to the oscillations of a vibrating body placed at a considerable distance from the apparatus. Graph 3 (Figure 3), shows the amplitude characteristics of the induction pickup. The pickup has been tested in the Podol'skiy tsementnyy zavod (the Podol'sk Cement Plant). RZM and RZM-2 charge regulators may be used. Diagram 4 (Figure 4) shows a recording scheme of the pickup and the microphone. Graphs 5 and 6 (Figures 5 and 6), show recording of signals of the induction pickup and the microphone, the latter, for starting and

Card 2/3

SOV/101-59-4-2/10

A New Pickup for the Charging Regulator of Ball Mills

shutdown periods of an adjacent mill. The author concludes that the application of the pickup control of the raw material mills will probably facilitate the control operations, especially when the latter are installed in the same shop with the cement mills. There are 3 diagrams and 3 graphs.

Card 3/3

DRABKIN, G.S.; BROVAR, I.P.; GEL'FAND, Ya.Ye.; ITSKOVICH, E.L.; LEONTENKOV,  
A.I., inzh., nauchnyy red.; ROTENBERG, A.S., red. izd-va; VORONETS-  
KAYA, L.V., tekhn. red.

[Automation of cement plants] Avtomatizatsiia tsementnykh zavodov.  
Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. mate-  
rialam, 1961. 399 p. (MIRA 14:7)  
(Cement plants) (Automatic control)

BANIT, F.G.; GERSHMAN, M.I.; LEONTENKOV, A.I.; OLEYNIKOVA, N.I.;  
PERTSIK, N.G.; PIROTSKIY, V.Z.; SLIVITSKAYA, F.R.;  
KHOKHLOV, V.K.; ASTANSKIY, L.Yu., nauchn. red.; TYUTYUNIK,  
M.S., red.izd-va; BRUSINA, L.N., tekhn. red.

[Cement industry; its present status and prospects for de-  
velopment] 'Tsementnaya promyshlennost'; sostoyanie i per-  
spektivy razvitiya. [By] F.G.Banit i dr. Moskva, Gosstro-  
izdat, 1963. 258 p. (MIRA 16:12)

(Cement industries)