

LEVIN, D.I., kand.fiz.-matem.nauk; NIKULINA, L.N., kand.geol.-mineral.nauk

Characteristics of the behavior of potassium and potassium-sodium
feldspar under the effect of heating. Stek. 1 ker. 22 no.3:26-29
Mr '65. (MIRA 18:10)

1. Gosudarstvennyy issledovatel'skiy keramicheskiy institut.

LEVIN, D.M.

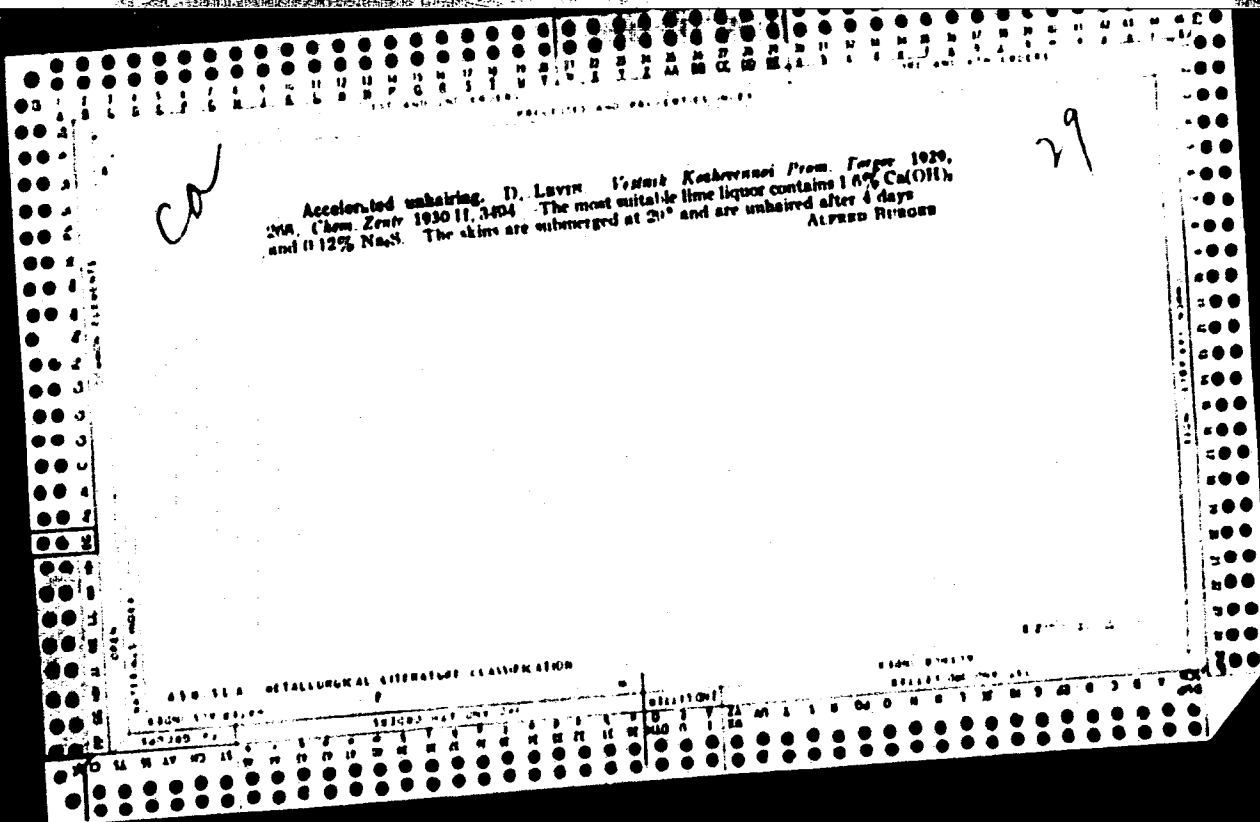
Levin, D.M. "The use of heat from the wet mixtures of lumber kilns for heating the air," Trudy Sib. lesno-tekhn. in-ta, symposium 5, Issue 3, 1948, p. 35-44

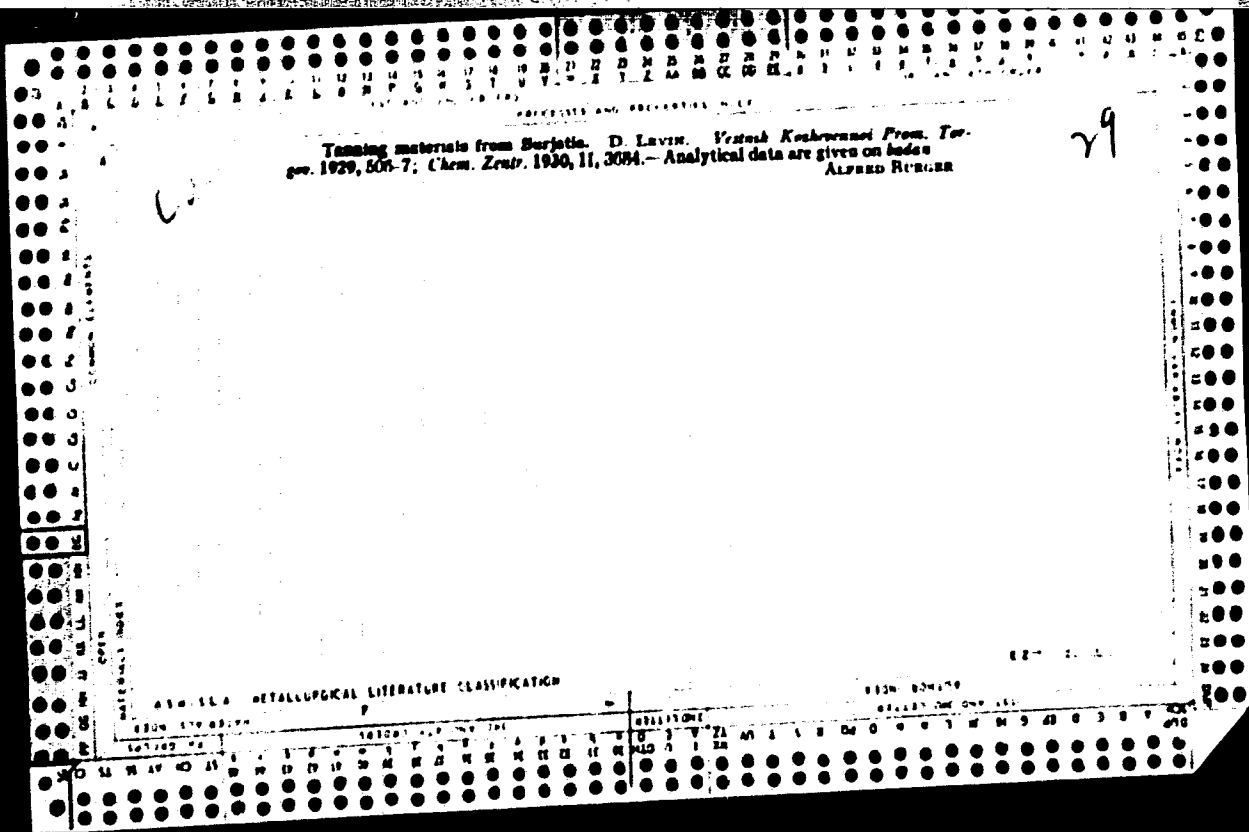
SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

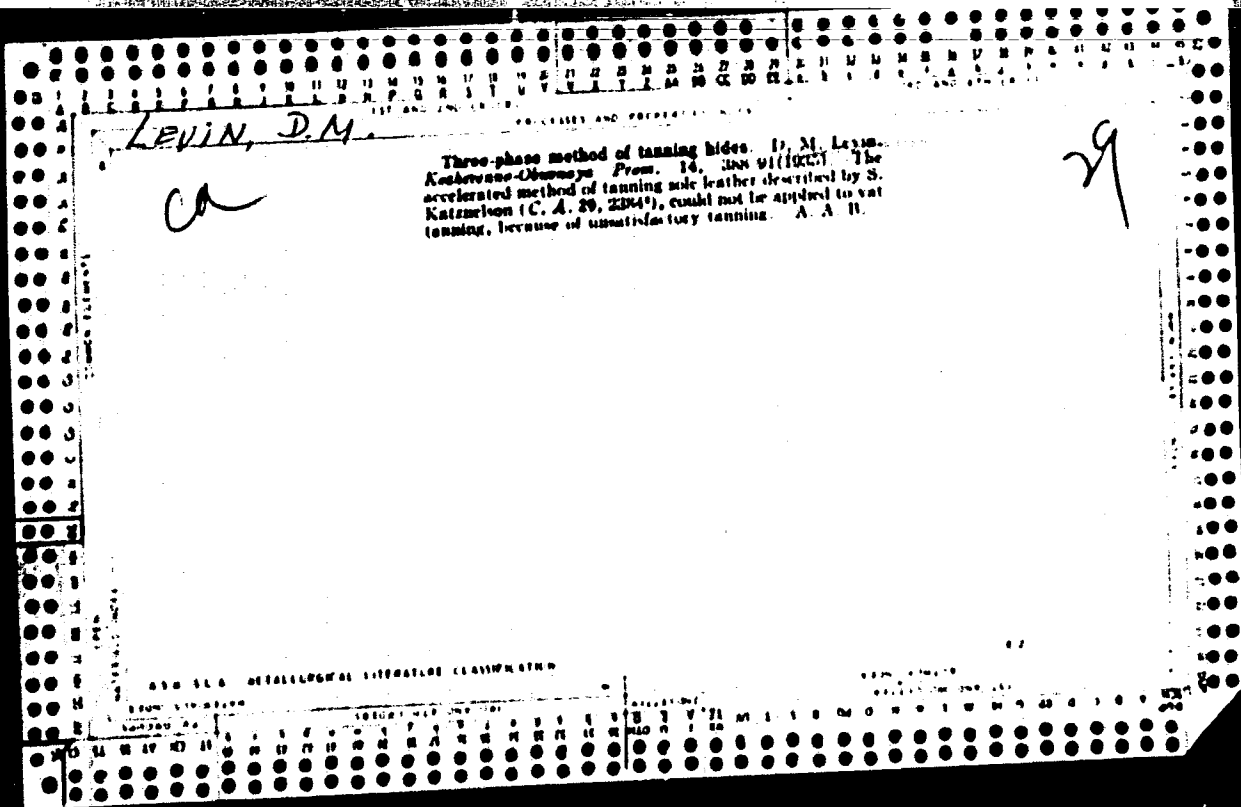
VELLER, V.N., doktor tekhn.nauk; KIRAKOSYANTS, G.A., kand.tekhn.nauk;
LAPUZIN, V.S., inzh.; LEVIN, D.M., inzh.; ROZHANSKIY, V.Ye., inzh.;
RULLIT, R.A., inzh.; FRIDMAN, A.Ye., inzh.

Water system for the regulation of the K-150-130 turbine developed
by the Kharkov Turbo-Generator Plant. Teploenergetika 9 no.11:10-
17 N '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy teplotekhnicheskiy institut
i Khar'kovskiy turbogeneratorny zavod.
(Kharkov--Steam turbines) (Hydraulic servomechanisms)







CCHIKIN, V., LEVIN D.

Meat Industry and Trade - Accounting

Proper accounting is basic to lowering canning costs. *Mias. ind.* SSSR 23 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 195~~3~~⁷, Uncl.
2

1. LEVIN, D.; TSAPLIN, A.
2. USSR (600)
4. Meat Industry--Accounting
7. Cost calculation of sausage products. *Mias. ind. SSSR* 23 no.5 1952.

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

LEVIN, D.M., Doc Chem Sci-- (disc) "~~Thermodynamic theory~~ ^{12/1958} ~~of~~ ^{of} ~~the~~ ^{of} drying ~~in~~ ^{of} the food industry." [Mos], 1958, 32 pp. with graphs
(Mos Technological Inst of Food Industry), 110 copies (N, 12-58, 118)

LEVIN, David Markovich; GINZBURG, A.S., prof., doktor tekhn.nauk, spetsred.;
~~KHORL'NITSKAYA, A.Z., red.;~~ DOBUZHINSKAYA, L.V., tekhn.red.

[Thermodynamic theory and design of drying apparatus] Termo-
dinamicheskaya teoriya i raschet sushil'nykh ustanovok. Moskva,
Pishchepromizdat, 1958. 166 p. (MIRA 12:2)
(Thermodynamics) (Drying apparatus)

LEVIN, D.M.

Thermodynamic theory and design of drying apparatus. Trudy
NIKFI no.2:49-61 '58. (MIRA 13:5)
(Drying apparatus) (Entropy)

LEVIN, D.M.

PLAS I BOOK REFERENCE 807/578

Investigative necessity (electronic turbomachinery systems) (Department of Construction and Operation of Turbine Plants) Collection of articles) Moscow, Gosenergomash, 1979. 500 p. English. 1.50 copies printed.

Eds. (Title page) Dr. M. Babitskiy, Professor, and A. V. Babitskiy, Chief Researching Engineer, Academy of Sciences USSR. (Series title) L. M. Babitskiy, Editor. L. M. Babitskiy.

Foreword: The book is intended for engineers specializing in the design and operation of turbine equipment.

Contents: This collection of 22 articles deals with aspects of turbine systems, particularly in relation to the best performance of turbine systems. The articles are divided into two parts: the first part contains 12 articles and a number of tables for more detailed information on turbine systems; the second part contains 10 articles. The articles follow several of the articles.

Section 1.1. Investigation of the Turbine Control System. The article deals with the investigation of the turbine control system. The article discusses the turbine control system in terms of the turbine power function. Details of construction in terms of the turbine power demand are presented.

Section 1.2. Analysis of Irregularities Due to Disturbances. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

Section 1.3. The Arrangement of the Turbine Control System. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

Section 1.4. Control Problems Related to the Control-System Stability of Turbine Control Systems. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

Section 1.5. Methods of Turbine Operating in Compensated Control Systems. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

Section 1.6. System of Stable-Pump Hydrodynamic Control. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

Section 1.7. Experimental Investigation of the Effects of Friction in the Governor on the Turbine Control System. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

Section 1.8. Control Valve of the Turbine. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

Section 1.9. Influence of the Pump-Drive Design on Pump-Drive Turbine Characteristics in a Hydrodynamic Control System. The article discusses the turbine control system. It presents a general process, the change in the turbine control system (used in defining new systems and in the turbine control system). The article discusses the turbine control system. The article discusses the turbine control system. The article discusses the turbine control system.

LEVIN, D. M.

"Thermodynamic Investigation of the Processes Developing
in the Interior OF THE Material Growing Dry."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

LEVIN, D. M.

"Drying of crushed rubber."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12
May 1964.

Siberian Technological Inst.

L 22734-66 EWT(d)/EWP(f)/EPF(n)-2/EYP(v)/T-2/EWF(k)/EWP(h)/EWF(l)/ETC(m)-6 VIV

ACC NR: AP6002868 (N)

SOURCE CODE: UR/0286/65/000/024/0027/0028

AUTHORS: Veller, V. N.; Kirakosyants, G. A.; Levin, D. M. 61

ORG: none 5

TITLE: Method for regulating steam or gas turbines. Class 14, No. 176926 [announced by All-Union Heat Technology Institute (Vsesoyuznyy teplotekhnicheskii institut)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 27-28

TOPIC TAGS: gas turbine, steam turbine, turbine control, servomotor

ABSTRACT: This Author Certificate presents a method for regulating ¹⁴steam or gas turbines¹⁴ equipped with main servomotors (with cut-off valves) and intermediate servomotors (with control valves) by supplying condensate to the intermediate servomotors. To increase reliability, a mixture of feed water and of condensate (for example, in the water-water ejector) is supplied to the main servomotors (see Fig. 1). To increase speed of response and to reduce servomotor size, a second design supplies the main servomotors of the regulating and cut-off valves with feed water which acts in the direction of closing.

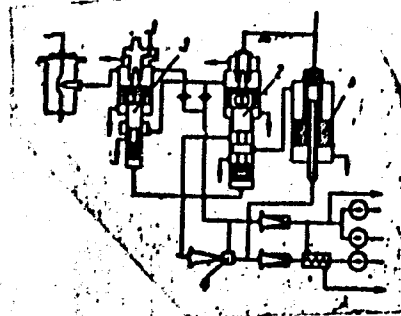
Card 1/2

UDC: [621.165+621.438] --546--522 2

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ACC NR: AP6002868

Fig. 1. 1 - Main servomotor; 2 - cut-off valve;
3 - intermediate servomotor with control
valve; 4 - water-water ejector.



Orig. art. has: 1 figure.

SUB CODE: 10 SUBM DATE: 20Aug64

Card 2/2

VELLER, V.N., doktor tekhn.nauk; KIRAKOBYANTS, G.A., kand.tekhn.nauk; LEVIN,
D.M., inzh.

Water system for steam turbine control. *Znergetik*. 13 no.4:6-9
Ap '65. (MIRA 18:6)

GINZBURG, A.S., LEVIN, D.M., REZCHIKOV, V.A.

New book Fluidized Bed Drying by P.G.Romankov, N.B.Rashkovskaya.
Khim. prom. 41 no.2:72 F '65. (MIRA 18:4)

1. Moskovskiy tekhnologicheskii institut pishchev
promyshlennosti (for Ginzburg). 2. Sibirskiy tekhnologicheskii
institut (for Levin). 3. Vsesoyuznyy nauchno-issledovatel'skiy
institut zerna (for Rezchikov, V.A.).

LEVIN, D.V.; KRYUKOV, S.M.

Secular variations of elements in certain places of the central
part of the Soviet North. Inform. sbor. NIIGA no.32;32-37 '62.
(MIRA 16:12)

LEVIN, D.V.; KRYUKOV, S.M.; VOLK, V.E.

Structure of the western part of the Khatanga depression
according to aeromagnetic data. Uch. zap. NIIGA. Reg.
geol. no.2:84-118 '64. (MIRA 19:1)

VOLK, V.E.; KRYUKOV, S.M.; LEVIN, D.V.

Basic characteristics of the subsurface structure in the western
part of the Taymyr depression according to aeromagnetic data.
Uch. zap. NIIGA. Raz. geol. no. 3:107-128 '64.

(MIRA 18:10)

LEVIN, D.V.; KRYUKOV, S.M.

Preliminary results of aeromagnetic investigations of the
Verkhoyansk fold zone, Lena-Anabar trough, and adjacent areas.
Inform.biul. NIIGA no.13:65-69 '59. (MIRA 13:5)
(Siberia--Magnetism, Terrestrial)

LEVIN, D.V.; ERYUEOV, S.M.

Tectonic divisions of the foundation of the Arctic portion of
the West Siberian Plain based on aeromagnetic data. Trudy
NIIGA 96:130-134 '59. (MIRA 13:5)
(West Siberian Plain--Geology, Structural)

LEVIN, D.V.; KRYUKOV, S.M.

Field work results of the aeromagnetic expedition of 1959. Inform.
biul.NIIGA no.18:53-58 '60. (MIRA 14:6)
(Russian, Northern-Magnetic prospecting)

S/169/62/000/006/029/093
D228/D304

AUTHORS: Karasik, A. M., Kryukov, S. M. and Levin, D. V.
TITLE: Preliminary results of an aeromagnetic survey in 1960
PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 29, ab-
stract 6A216 (Inform. byul. In-ta geol. Arktiki,
no. 22, 1960, 37-42)

TEXT: The results of an aeromagnetic survey over three areas in
1960 are described. The survey was fulfilled in order to study the
abyssal structure of areas and expose intrusive bodies. Previously
unknown local anomalies, related to intrusive bodies, were re-
vealed. [Abstracter's note: Complete translation.] ✓

Card 1/1

KRYUKOV, S.M.; LEVIN, D.V.

Using three stations for recording the variations of a magnetic
field. Trudy NIIGA 132:163-165 '62. (MIRA 16:4)
(Arctic regions--Magnetism, Terrestrial)

KARASIK, A.M.; KRYUKOV, S.M.; LEVIN, D.V.; SHCHELOVANOV, V.G.

Low altitude factors in aerogamma-magnetic surveying. Trudy
NIIGA 132:172-179 '62. (MIRA 16:4)
(Prospecting—Geophysical methods)

STEPANOV, Yu.G., inzhener-kapitan 2-go ranga; LEVIN, D. ^{1/11} ~~1/11~~, kand. voyenno-morskikh nauk, kapitan 3-go ranga zapasa

Work of the U. S. Navy in creating military space weapons. Mor. sbor.
47 no.1:82-89 Ja '64. (MIRA 18:7)

LEVIN, E., inzh.

A self-propelled electric vibratory compactor for concrete. Na stroi.
Ros. 3 no.2:9 P '62. (MIRA 16:2)

1. Stroitel'stvo Bratskoy gidroelektrostantsii.
(Vibrators)

LEVIN, B.A.

Peculiarities in the use of barrier-layer photoelectric cells
in photoelectrocolorimetric apparatus. Med.prom. 13 no.7:
12-19 J1 '59. (MIRA 12:10)

1. Mediko-instrumental'nyy zavod "Krasnogvardeyets".
(PHOTOELECTRIC CELLS)

KHOMULO, P.S.; LEVIN, E.A.

Densitometer with automatic recording of the optical density curve.
Fiziol.zhur. 46 no.8:1024-1027 Ag '60. (MIRA 13:8)

1. From the Chair of pathological physiology, Paediatric Institute,
Leningrad. (PROTEINS—ANALYSIS) (DENSITOMETERS)

LEVIN E. D.

REVISED

Sponge formation in core causes and methods for

LEVIN, E. D.

68-6-8/19

AUTHOR: Levin, E.D.

TITLE: The Mechanism of the formation of Sponge in Coke.
(Mekhanizm obrazovaniya gubki v kokse)

PERIODICAL: Koks i Khimiya, 1957, No.6, pp. 24 - 25 (USSR)

ABSTRACT: It is demonstrated by calculations that the rate of heating of the top part of the coal charge in a coke oven is higher than in other parts of the oven. Therefore, sponge in coke is formed by passing gases through the plastic mass formed in the top part of the oven.
There is 1 figures.

ASSOCIATION: Magnitogorsk Metallurgical Combine (Magnitogorskiy Metallurgicheskiy Kombinat)

AVAILABLE: Library of Congress
Card 1/1

SOV/68-58-8-6/28

AUTHORS: Varshavskiy, T.P., Kogan, L.A., Levin, E.D. and Shevchenko, N.S.

TITLE: An Apparatus for the Determination of the Concentration of Dust in Coke Oven Gas (Ustanovka po opredeleniyu kontsentratsii pyli v koksovom gaze)

PERIODICAL: Koks i Khimiya, 1958, Nr 8, pp 18 - 21 (USSR)

ABSTRACT: A modification of the usual apparatus for the determination of dust in gases adapted for measuring the dust content in the gas in ascension pipes during charging of coke ovens is described and illustrated (Figures 1 and 2). The main features: sampling tube from heat-resistant steel, and the filler from glass wool enclosed between metallic screens of 0.5 mm mesh. A good reproducibility of the results is claimed (table).
There are 2 figures and 1 table.

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine); VUKHIN

Card 1/1 1. Coal--Processing 2. Coal gas--Impurities 3. Coal gas
--Testing equipment

SOV/68-59-3-6/23

AUTHORS: Kapel'zon, I.G., Levin, E.D., Seppar, A.M. and
Shibayev, P.P.

TITLE: An Improvement in the Quenching of Coke (Usovershenst-
vovaniye tusheniya koksa)

PERIODICAL: Koks i Khimiya, 1959, Nr 3, pp 27-34 (USSR)

ABSTRACT: An investigation of the coke quenching process has been
studied on the Magnitogorsk Works, the results of which
are reported in the paper. The distribution of moisture
in the individual size fractions of coke - fig 1 and table 1.
The distribution of coke in the quenching car - fig 2 and
3; the distribution of time between the individual
operations of the coke quenching car - table 2; the
dependence of the coke quenching time on the spraying
capacity of the quencher (M^2 of water/min) - table 3;
the distribution of moisture in coke on the coke wharf -
fig 5 and table 4; the design of the spraying
installation used on the Magnitogorsk Works - fig 6.
It is concluded that the necessary conditions of the
stability of the moisture content of coke is the
stability of the quality of the coal blend, heating
conditions and coking time, as the above conditions

Card 1/2

SOV/68-59-3-6/23

An Improvement in the Quenching of Coke

determine the size distribution of coke and the amount of sponge it contains. There is a large variability in the distribution of coke on the cross sectional area of the coke quenching car of the same design on various batteries. The duration of the quenching period with technical water is 20-25% lower than that with effluent water. The spraying equipment used on the works is described. There are 6 figures and 4 tables.

ASSOCIATION: Magnitogorskiy Metallurgicheskiy Kombinat
(Magnitogorsk Metallurgical Combine)

Card 2/2

SOV/32-25-4-46/7:

8(2)

AUTHOR:

Levin, E. D.

TITLE:

Thermocouple for Measuring the Temperature of the Top of the Coking Mass (Termopara dlya zamerov temperatur verkha koksovogo piroga)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 4, p 485 (USSR)

ABSTRACT:

A thermocouple was designed (Figure) to determine the temperature in the upper layer of the coal charge and of the coking mass. The protective covering of the thermocouple is a steel tube with a diameter of 25 mm, the length of which is chosen depending on the height of the layer, the coke tower height and the coke tower cupola. An iron disk (diameter - 350 mm, thickness - 5-10 mm) is welded to the lower end of the protective covering; this prevents the thermocouple from sinking down into the layer. An iron cap is welded to the bottom of the iron disk; in this cap, there is the contact of the thermocouple. When iron-constantan thermocouples are used, the constantan electrode is welded to the inside of the iron cap; the second electrode is the protective covering. As the thermocouples are exposed to the effect of hot coke gases during the measurements,

Card 1/2

SOV/32-25-4-46/71

Thermocouple for Measuring the Temperature of the Top of the Coking Mass

they are subject to carburization and must be calibrated after every three measurements. There is 1 figure.

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Kombinat)

Card 2/2

LEVIN, E.D.; PRAVDIVYY, I.G.

Improving methods of determining the total sulfur content of liquid products of by-product coking. Koks i khim. no.1:48-49 '60. (MIRA 13:6)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Coke industry--By-products)
(Sulfur--Analysis)

LEVIN, E. D.

Cand Tech Sci - (diss) "Mechanism of sponge formation in coke and methods of decreasing its amount." Sverdlovsk, 1961. 15 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Ural Polytechnic Inst imeni S. M. Kirov); 150 copies; price not given; (KL, 5-61 sup, 191)

LEVIN, E.D.; PRAVDIVYY, I.G.; NAGINSKAYA, L.V.

Using the head fractions of crude benzene for producing compressed materials. Koks i khim. no.8:44-46 '61. (MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Benzene) (Building materials)

LEVIN, E.D.; VASIL'YEVA, A.G.

Analysis of sodium phenolates produced in dephenolizing units.
Koks i khim. no.9:50-52 '61. (MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Sodium phenoxide--Analysis)

LEVIN, E.D.; PRAVDIVYY, I.G.

Methods for using tar acid. Koks i khin. no.9:54-57 '61.
(MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Tar acids)

PETROV, V.S.; LEVIN, E.D.

On M.I. Chudakov's book "Industrial use of lignin." Gidroliz.
i lesokhim. prom. 16 no.2:32 '63. (MIRA 16:6)

1. Sibirskiy tekhnologicheskii institut.
(Lignin)
(Chudakov, M.I.)

LEVIN, E.D.; BELIKOVA, Z.P.

Determining phenol content of pyrogenous lignin tars with the method of
high-frequency titration. *Gidroliz. i lesokhim.prom.* 16 no.8:16-18 '63.
(MIRA 17:1)

1. Sibirskiy tekhnologicheskii institut.

LEVIN, E.G. (Sverdlovsk)

Possibility of partial substitution of the ureter with
plastic prostheses; experimental research. Urologia 28
no.2:29-32 Mr-Apr'63. (MIRA 16:6)
(~~URETERS—SURGERY~~) (PLASTICS IN MEDICINE)

LEVIN, M.O.

Genus *Lophanthus*. Flora SSSR 20:275-282 '54. (MIRA 7:7)
(Labiatae)

KOLOMOYTSEV, A.P. ; LEVIN, E.G. (Sverdlovsk)

Unusual case of multiple homologous calculi of the left ureter in
hypoplasia of the left kidney. Urologia 24 no.2:62 Mr-Apr '59.

(MIRA 12:12)

(KIDNEY, abnormalities,
hypoplasia with homolateral ureterolithiasis (Rus))
(URETERS, calculi
in homolateral renal hypoplasia (Rus))

IVANOV, I.I., agronom-entomolog(Khaybullinskiy rayon, Bashkirskoy SSR);
LEVIN, E.I.; GAR, K.A.

Letters to the editor, Zashch.rast.ot vred.i bol. 4 no.3:60
My-Je '59. (MIRA 13:4)

1. Zaveduyushchiy punktom slushby ucheta i prognozov Irkutskoy
oblasti (for Levin).
(Plants, Protection of)

LEVIN, E.I.; SHVETS, Ya.S.

Producing prestressed concrete beams. Transp.stroi. 6 no.5:8-11
My '56. (MLRA 9:8)

1. Nachal'nik tresta Odestranstroy (for Levin);
2. Nachal'nik tekhnicheskogo otdela (for Shvets).
(Girders) (Prestressed concrete)

LEVIN, E. I.

Manufacturing wall blocks using coarse porous concrete. Transp.
stroj. 7 no.5:11-13 My '57. (MIRA 10:11)

1. Nachal'nik tresta Odestransstroy.
(Concrete blocks) (Lightweight concrete)

LEVIN, M.I.; SHVETS, Ya.S.

Wire-reinforced concrete bars used in reinforcing precast reinforced concrete structural components. Transp.stroi. 7 no.7:9-11 J1 '57.

(MIRA 10:11)

1. Nachal'nik tresta Odestranstroy (for Levin). 2. Nachal'nik tekhnicheskogo otdela tresta Odestranstroy (for Shvets).
(Precast concrete)

LEVIN, N.I.

Ways of lowering construction costs. Transp. stroi. 8 no.9:7-9 8
'58. (MIRA 11:10)

1. Nachal'nik tresta Odestranstroy.
(Odessa--Construction industry--Costs)

LEVIN, B.I.

Our successes in lowering costs of housing construction.
Transp.stroi. 9 no.12:7-10 D '59. (MIRA 13:5)

1. Nachal'nik tresta Odesstranstroy.
(Construction industry--Costs)

LEVIN, B.I.; KRIZHEVSKIY, V.M.

Using silicalcite on the construction sites of the Odessa Trust for
the Construction of Transportation Facilities. Transp. stroi. 10
no.10:28-32 0 '60. (MIRA 13:10)

1. Mchmal'nik tresta Odesstransstroya (for Levin). 2. Zamestitel'
nachal'nika tekhnicheskogo otdela Odesstransstroya (for Krishevskiy).
(Odessa--Sand-lime products)

KUDRYAVTSEVA, T.L.; LEVIN, E.I.; TARURA, V.I., agronom-entomolog;
MIROSHNIKOV, G.A.

Readers' letters. Zashch. rast. ot vred. i bol. 4 no.2:59
Mr-Apr '59. (MIRA 16:5)

1. Starshiy agronom kolkhoza imeni Lenina, Semilukskogo rayona,
Voronezhskoy oblasti (for Miroshnikov).
(Plants, Protection of)

LEVIN, E.I.

Odessa Transportation Construction Administration makes a contribution
to its city. Transp. stroi. 14 no.7:18-20 JI '64.

(MIRA 18:1)

1. Upravlyayushchiy trestom Odesstranstroy.

LEVIN, E.I.; LEVASHOV, M.P.; NECHAYEVSKIY, G.S.; KRIZHEVSKIY, V.M.; TESLER, P.A.;
KOBRI NSKIY, G.S.

Large-panel buildings of standardized autoclaved elements. Transp.
stroil. 15 no.5:23-26 My '65. (MIRA 18:7)

1. Odesstransstroy (for Krizhevskiy). 2. Nauchno-issledovatel'skiy in-
stitut betona i zhelezobetona Gosstroya SSSR (for Kobrinskiy).

Structure of indigo on the basis of spectral data. V. Domonich and E. Levin. (Compt. rend. Acad. Sci. U. S. S. R., 1962, 35, 110-113).--The absorption curves of the sulphuric esters of indigo and thioindigo leuco-bases have been investigated. The curves for these substances are very similar, whereas those of the corresponding dyes differ considerably. This is probably due to the existence in the indigo mol. of a weakened internal H bond, which gives rise to the intense colour of the compound. A. J. J.

PROCESSING AND PROPERTIES INDEX

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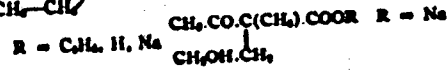
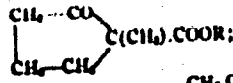
Bisulfite compounds. I. Spectra of bisulfite compounds of azo dyes. V. N. Ufimtsev and E. S. Levin. *J. Applied Chem. (U. S. S. R.)* 10, No. 9/10, 365-8 (1942) (English summary).—Spectrophotometric measurements were made on bisulfite compds. of simple dyes made from 4-benzenesazo-1-naphthol and 1-benzenesazo-2-naphthol. The spectra of these products differ from the spectra of end forms and hydrazone forms of other characteristic compds. of these dyes. The existence of color in these bisulfite compds. and the ease of their hydrolysis in alkali are contrary to the structure proposed by Spiegel (*Ber.* 18, 1479(1885)). Spectrum curves of the compds. are presented. G. M. Kosolapoff

ASD-51A METALLURGICAL LITERATURE CLASSIFICATION

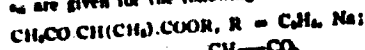
100 AND 4TH COPIES

4

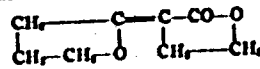
Absorption spectra of the derivatives of keto acids. B. S. Levin. *Russ. Acad. Sci. U.R.S.S., Sov. Phys.* 11, 413-18 (1947).—Measurements made on solns. of acetonetic methyl and ethyl esters, carboethoxycyclopentanone, carboethoxycyclohexanone, and acetylbutyrolactone in heptane. λ_{max} and ϵ_{max} show a common band, independent



of the solvent, at 2640 Å. Since max. mol. absorption ϵ_{max} is 300 times higher for enol forms than for keto forms, spectrographic measurements allow the detn. of the equl. to within 10-20%; this is more favorable than chem. methods for small concns. of the enol form. It can be shown structurally and spectroscopically that the doubly-substituted keto acids and especially their salts are present almost completely in the keto form. λ_{max} and ϵ_{max} are given for the following substances:



λ_{max} is approx. 2600 Å., and $\epsilon_{max} = 45$ for all these substances. For measurements of the intensity of the band 2790 and 2880 Å. at different pH of soln. the dissociation const. K_a can be detd. by the formula $K_a = \frac{a_{en}}{f \beta (1 - \beta)}$ (a_{en} = H-ion activity, f = electrolyte ion activity, β not hydrolyzed fraction of the salt = $\epsilon_{en}/\epsilon_{max}$, where ϵ_{en} absorption in the max. and ϵ_{max} absorption in the absence of hydrolysis). Measurements and calcs. are given for the first 4 above substances. The spectral data can be applied to det. structural questions. The author indicates that the structural formula of dibutylactone should be written



S. Faksver

LEVIN, E.S.; FODIMAN, Z.I.

Polarography of organic halo derivatives. Trudy Kom. anal. khim.
4:42-62 '52. (MIRA 11:6)

(Halides)

(Polarography)

LEVIN, E. S.

USSR/Chemistry - Instruments, Production of Phenol

FD 178

Card 1/1

Author : Parlashkevich, N. Ya., Levin, E. S., and Avakyan, N. I.

Title : Automatic potentiometric control in phenol production

Periodical : Khim. prom. 3, 51-52 (179-180), April-May 1954.

Abstract : Established the possibility of controlling automatically by means of a potentiometric appliance the neutralization of the sulfonated mass in the manufacture of phenol. Developed two schemes for the control of this process, which are described. Found that automatic control not only increases the capacity of the continuous neutralization stage, but also reduces the use of sulfuric acid by making possible a more complete utilization of the sulfur dioxide evolved during neutralization. Illustrated by 2 figures. Data are arranged in 3 tables. 4 USSR references and 5 foreign references are listed.

Institution : Scientific Research Institute of Organic Intermediate Products and Dyes imeni Klim Voroshilov

LEVIN, E.S.

PARLASHKEVICH, N.Ya.; LEVIN, E.S.; AVAKYAN, N.I.

Automatic potentiometric control in phenol manufacture. Khim.
prom. no.3:179-180 Ap-My '54. (MLRA 7:8)

1. Nauchno-issledovatel'skiy institut organicheskikh polu-
produktov i krasiteley [im. K.Voroshilova]
(Phenol) (Potentiometer)

USSR/Chemistry - Phenol, production of

FD-965

Card 1/1 Pub. 50 - 8/19

Authors : Levin, E. S., Avakyan, N. I., Parlashkevich, N. Ya

Title : Automatic potentiometric control of the decomposition of sodium phenolate

Periodical : Khim. prom., No 7, 415-418 (31-34), Oct-Nov 1954

Abstract : Describes automatic potentiometric control of the decomposition of sodium phenolate into phenol and sodium sulfite with the aid of sulfur dioxide and water. An antimony electrode is used to determine the end point of neutralization. Seven references, 2 USSR, one since 1940. One table, 5 graphs, 2 figures.

Institution : State Scientific Research Institute of Organic Intermediates and Dyestuffs.

LEVIN, E. S.

USSR/Chemistry - Reduction

Card 1/1

Author : Levin, E. S., and Fodiman, Z. I.

Title : Reduction of the Aromatic Halogen Derivatives on a Mercury xxx Drop Electrode.

Periodical : Zhur. Fiz. Khim. Vol. 28, Ed. 4, 601-612, Apr 1954

Abstract : The article deals with the reduction of aromatic monohaloid derivatives (with exception of C_6H_5Cl) on a mercury cathode, and the gradient deoxidation of polyhalides. The theory of retardation, applied in the above reaction, explains the form of polarization curves and the kinetic characteristics of reaction. The semiwave potential $\phi_{1/2}$ in this case, signifies a kinetic rather than thermodynamic quality. Fifteen references; tables; graphs.

Institution : K. E. Voroshilov's Scientific Investigational Institute of Semi-Products and Pigments.

Submitted : April 6, 1953

LEVIN, E.S.

USSR/Chemistry

Card : 1/1

Authors : Levin, E. S., and Shestov, A. P.

Title : Polarographic determination of sulfones

Periodical : Dokl. AN SSSR, 96, Ed. 5, 999 - 1002, June 1954

Abstract : Polarographic determination of sulfones, originated in connection with the sulfonation of aromatic hydrocarbons is discussed. The secondary products of such sulfonation reaction are $Ar - SO_2 - Ar'$. In many cases sulfones are formed but with only one or several sulfo-groups - SO_2H . Such substances are water-soluble just as aromatic sulfo-acids thus making their identification and separation quite difficult. Three references. Tables, graphs.

Institution : The K. E. Voroshilov State Scientific-Research Institute of Organic Semi-products and Dyes.

Presented by: Academician, A. N. Frumkin, April 13, 1954

LEVIN, E. S.

LEVIN, E. S. --"Ultra-Violet Absorption Spectra and Construction of Beta-Keto Acids." *(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Moscow Chemical Industry Order of Labor of Red Banner Physical Chemical Institute I. Ya. Karpov, Moscow, 1955

SO: Knizhnaya Letopis', No. 25, 13 Jun 55

* For the Degree of Candidate in Chemical Sciences

5(2), 5(3)

AUTHORS: Gribova, Ye. A., Levin, E. S.

SOV/32-24-11-13/37

TITLE: Selective Determination of Sulfuric Acid and Sulfo Acids by Titration in Non-Aqueous Solvent (Razdel'noye opredeleniye sernoy kisloty i sul'fokislot titrovaniyem v nevodnykh rastvoritelyakh)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 11, pp 1356 - 1358 (USSR)

ABSTRACT: It has already been shown (Ref 1) that in non-aqueous mixtures containing nitric and sulfuric acids or sulfuric and hydrochloric acids the acids can be titrated selectively one after the other. Succeeding titrations can be carried out in the analysis of the monosulfo and disulfo acids of anthraquinone, the monosulfo acids of naphthaline, and the benzosulfonic acids. Dried acetonitrile or acetone were used as solvents. The titration is successful with morpholine and diphenyl guanidine. All the titrations were carried out using a glass electrode as a potentiometric

Card 1/2

Selective Determination of Sulfuric Acid and Sulfo
Acids by Titration in Non-Aqueous Solvent

SOV/32-24-11-13/37

control. There are two potential steps in the titration curve. The first potential wave appears when the sulfo acids and the sulfuric acid have been titrated completely to the bisulfate. The bisulfate is further titrated until the solution is completely neutral, at which point the second potential wave appears (Diagram). The maximum error is 2%. The presence of water interferes with the determination and at a concentration of more than 5-7% prevents it altogether. There are 1 figure, 3 tables, and 1 reference.

ASSOCIATION: Institut organicheskikh poluproduktov i krasiteley im.K.Ye. Voroshilova (Institute for Organic Intermediate Products and Dyes imeni K.Ye.Voroshilov)

Card 2/2

5(3), 5(4)
AUTHORS:

Pozdyshev, V. A., Levin, E. S.

TITLE:

The Quantitative Determination of the Three Isomers of Nitrochlorobenzene ~~From Their~~ Together: ~~Mass~~ Infrared Absorption Spectra (Kolichestvennoye opredeleniye trekh izomerov nitrokhlorbenzola v ikh smesi pri pomoshchi infrakrasnykh spektrov pogloshcheniya)

PERIODICAL:

Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 1, pp 128-132 (USSR)

ABSTRACT:

Technical nitrochlorobenzene, the primary product of the nitration of chlorobenzene, is a mixture of o- and p-isomers, in a varying ratio, with a low content of m-isomers. In the present paper a method is elaborated for the direct determination of the m- and p-isomer on the basis of the infrared absorption spectra. The o-nitrochlorobenzene content results from the difference. The spectra are recorded on the single-beam spectrometer IKS-11. The technical data of the apparatus and the working conditions for investigations are given in detail. Carbon tetrachloride was used as solvent for the 3 absorption spectra of the three com-
of the solvent,

The Quantitative Determination of the Three Isomers
of Nitrochlorobenzene When Present Together by Means of
Infrared Absorption Spectra

SOV/75-14-1-26/32

shown by figures. The spectra of the m- and o-isomer are characterized by narrow intense bands at 1063 cm^{-1} and 1053 cm^{-1} , which are lacking in the spectrum of the p-isomer. In the spectrum of the latter isomer there is, instead, a very intense and characteristic band at 533 cm^{-1} . In the

spectrum of the m-isomer there is a band at 917 cm^{-1} , which, though not very intense, nevertheless may serve the purpose of characterizing the m-isomer, as the two other isomers do not absorb at all in this domain. Also the band at 879 cm^{-1} is very characteristic of the m-isomer. These differences in the spectra of the 3 isomers suffice in order to distinguish them in a mixture. For quantitative determination the

characteristic band of the p-isomer at a frequency of 533 cm^{-1} is especially well suited because in this domain the other isomers do not absorb. For the determination of the m-isomer the band at 917 cm^{-1} is used, although this entails

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Card 2/4

Therefore, the band at 879 cm^{-1} is used, although this entails

The Quantitative Determination of the Three Isomers
of Nitrochlorobenzene When Present Together by Means of
Infrared Absorption Spectra

SOV/75-14-1-26/32

the danger of its being influenced by the bands of the o- and p-isomers at 848 and 846 cm^{-1} , which are in close vicinity to it. By narrowing the width of the gap to 4 cm^{-1} it was possible to resolve the m-isomer bands at 879 and 867 cm^{-1} . It was found that with an m-isomer content of 0.5 - 3% in the mixture, the error caused by superposition by the bands of the two other isomers does not exceed 10% (relatively). In the case of a higher m-isomer content the error is caused only by faults of the measuring device and amounts, on the average, to 1%. On the basis of these bands determination of the m- and p-isomer in mixtures is possible. The gauging curve for the determination of p-isomers is given in the paper. There are 7 figures and 7 references, 3 of which are Soviet.

ASSOCIATION:

Gosudarstvennyy nauchno-issledovatel'skiy institut
organicheskikh poluproduktov i krasiteley im. K. Ye. Voroshilova,
Moskva (State Scientific Research Institute for Organic
Intermediate Products and Dyes imeni K. Ye. Voroshilov, Moscow)

5(3)

AUTHORS:

Gribova, Ye. A., Levin, E. S.

SOV/32-25-1-20/51

TITLE:

Titration of a Mixture of Amines in a Nonaqueous Medium
(Titrovaniye smesi aminov v nevodnoy srede)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 1, pp 38-41 (USSR)

ABSTRACT:

Organic solvents often allow titrations that cannot be carried out in aqueous medium. Thus, for example, many aromatic amines can be titrated in glacial acetic acid with a chloric acid solution (Refs 1-4). It was observed that titrations in chloro-benzene, acetone, acetonitrile, have much more distinct titration end points, than is the case with glacial acetic acid. In controlling the contact hydrogenation of aniline, a mixture consisting of cyclohexyl amine (I), dicyclohexyl amine (II), and aniline (III) must be analyzed. A method is described according to which titration takes place in acetone with an 0.1 n chloric acid solution (in dioxane). The titration curve of (III) in acetone shows the same abrupt potential jump as titrations of the cyclohexyl amines in acetic acid (Fig 1). The titration was carried out potentiometrically on a LP-5 potentiometer. The analysis of a mixture of (I), (II) and (III)

Card 1/2

Titration of a Mixture of Amines in a Nonaqueous Medium SOV/32-25-1-20/51

requires two titrations. The first allows the determination of the content of (III) as well as of the sum of (II) and (I). The second titration, which is carried out after a preliminary treatment with salicyl aldehyde, yields the content of (II), while (I) results from the difference. There are 3 figures, 1 table and 12 references.

ASSOCIATION: Institut organicheskikh poluproduktov i krasiteley im. K. Ye. Voroshilova (Institute of Organic Semiproducts and Dyes imeni K. Ye. Voroshilov)

Card 2/2

5(2)

AUTHOR:

Levin, E. S., Candidate of Chemical Sciences SOV/32-25-6-53/53

TITLE:

Criticism of the Book by Sh. R. Palit, M. N. Das and G. R. Somayadzhulu, Non-aqueous Titration (Retseziya na knigu Sh. R. Palit, M. N. Das i G. R. Somayadzhulu, Nevodnyye titrovaniya) Goskhimizdat, 1958, 4000 Copies, 10 Printed Sheets, Price 7 Roubles (Goskhimizdat, 1958 g., tirazh 4000, ob'yem 10 pech.l. tsena 7 rub.)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 767-768 (USSR)

ABSTRACT:

The criticized book has 132 pages, the contents is presented in a very concentrated form. The theory of acids is described in brief, the glycol titration somewhat more detailed and also in brief, the other methods of acid-alkali titrations in non-aqueous medium. Finally A. P. Kreshkov, editor of the translation gives a short survey on the papers published after the original book (1954-1957) had been published. This book is neither to be regarded as a monograph nor as a systematic manual, but much more as a detailed survey. A disadvantage of the book is the interpretation of the acid theory by Lewis which is described without making reference to Brönsted's theory, as Palit did in the introductory chapters of the book. Chapters 3 - 7 on the glycol titration are described very

Card 1/2

Criticism of the Book by Sh. R. Palit, M. N. Das and G. R. Somayadzhulu, Non-aqueous Titration. Goskhimizdat, 1958, 4000 Copies, 10 Printed Sheets, Prize 7 Roubles SOV/32-25-6-53/53

detailed because they contain papers by Palit and are therefore subjective. Only two chapters deal with the new most effective methods of non-aqueous titrations, containing only some enumerations without a detailed discussion of the results. Translation and compilation of the book are satisfactory with the exception of some printing errors which are pointed out.

Card 2/2

USCOMM-DC-61,223

FODIMAN, Z.I.; LEVIN, E.S.

Polarographic control in the production of contact anthraquinone.
Zav.lab 26 no.10:1088-1090 '60. (MIRA 13:10)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley.
(Anthraquinone) (Polarography)

LEVIN, B.S.; FODIMAN, Z.I.

Polarography of 4-nitrophenyl- and 4-aminophenyl-azo-salicylic acid.
Zav. lab 26 no.10:1090-1093 '60. (MIRA 13:10)
(Salicylic acid) (Polarography)

LEVIN, E.S., kand.khimicheskikh nauk

"Polarographic analysis" by T.A.Kriukova, S.I.Siniakova, T.V.
Aref'eva. Reviewed by E.S.Levin. Zav.lab. 26 no.9:1165-1166
'60. (MIRA 13:9)

(Polarography)

(Kriukova, T.A.)

(Siniakova, S.I.)

(Aref'eva, T.V.)

TERENT'YEV, A.P., otv.red.; ALIMARIN, I.P., red.; GEL'MAN, N.E., red.;
KLIMOVA, V.A., red.; KRISHKOV, A.P., red.; KUZNETSOV, V.I., red.;
LEVIN, E.S., red.; PODGAYSKAYA, Z.I., red.; RUKHADZE, Ye.G., red.;
TAL'ROZE, V.L., red.; TSUKERMAN, A.M., red.; SHEMYAKIN, F.M., red.;
SHEYNKER, Yu.N., red.; YERMAKOV, M.S., tekhn.red.

[Conference on organic analysis] Soveshchanie po organicheskomu
analizu. Tезисы докладов. Moskva, Izd-vo Mosk.univ., 1961. 170 p.
(MIRA 14:4)

1. Soveshchaniye po organicheskomu analizu. 1961.
(Chemistry, Analytical--Congresses)
(Chemistry, Organic--Congresses)

LEVIN, E.S.; FODIMAN, Z.I.

Polarographic analysis of some organic intermediate products. Org.
poluprod. 1 kras. no.2:183-200 '61. (MIRA 14:11)
(Polarography)

LEVIN, E.S.; CHLENOVA, R.S.; FODIMAN, Z.I.

Polarographic analysis of indotoluidine. Org. poluprod. 1 kras.
no.2:201-208 '61. (MIRA 14:11)
(Indoaniline) (Polarography)

LEVIN, E.S.; OSIPOVA, N.A.

Mechanism of the polarographic reduction of aromatic sulfonic acids and sulfones. Part 1: Coulometric investigation. Zhur.ob. khim. 32 no.7:2084-2091 JI '62. (MIRA 15:7)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.
(Sulfonic acids) (Reduction, Electrolytic)

LEVIN, E.S.

Kinetic currents in the reduction of naphthalenesulfonic acids.
Dokl.AN SSSR 144 no.1:159-162 My '62. (MIRA 15:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut polupro-
duktov i krasiteley. Predstavleno akademikom A.N.Frumkinym.
(Naphthalenesulfonic acids) (Reduction, Electrolytic)

LEVIN, E.S.

Change of the mechanism underlying electrochemical reactions in a nonprotogenic medium in response to the addition of a proton donor. (MIRA 16:10)
Dokl. AN SSSR 151 no.6:1375-1378 Ag '63.

1. Gosudarstvennyy nauchno-issledovatel'skiy institut poluproduktov i krasiteley. Predstavleno akademikom A.N.Frumkinym.

VINOGRADOVA, N.P.; LEVIN, E.S.

Preparation of some haloamino derivatives of *sym*-triazine
(F and Br. halides). Zhur. VKHO 10 no. 5:589 '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut organicheskikh polupro-
duktov i krasiteley.

LEVIN, E.S.; RODIONOVA, G.N.

Tautomerism of lactams in vapors studied by means of infrared spectroscopy. Dokl. AN SSSR 164 no.3:584-587 S '65. (MIRA 18:9)

1. Submitted March 2, 1965.

LEVIN, F.

We will get it also in the Kuznetsk Basin. Mast.ugl. 9 no.2:
24 F '60. (MIRA 13:7)

1. Zamestitel' nachal'nika otdela rabocheho snabzheniya tresta
Kiselevskugol', Kusbass.
(Kuznetsk Basin--Restaurants, lunchrooms, etc.)

LEVIN, F.

According to Lenin's plans. Stroi. truboprov. 6 no.5:1-2 My '61.
(MIRA 14:7)

(Pipelines)

LEVIN, F.B.; IGOSHINA, N.A.

Vascular reactions in subjects with peptic ulcers under the effect of conditioned and unconditioned stimuli. Ter.arkh. 22 no.6:60-62
Nov-Dec 50. (CLML 20:5)

1. Of the Department of Faculty Therapy (Head--Prof.F.B.Levin),
Turkmen Medical Institute.

LEVIN, F.B.; MAMEDOVA, M.B.

Role of the cerebral cortex in regulation of blood sugar following administration of insulin in peptic ulcer. *Klin. med., Moskva* 29 no.12:54-58 Dec 51. (CIAML 21:4)

1. Professor for Levin. 2. Of the Department of Faculty Therapy, Turkmen Medical Institute, and of the Department of Hospital Therapy, Ishevsk Medical Institute.

LEVIN, F.B., aspirant

Increasing the weight gain in swine by using tissue preparations.

~~2~~ pivotnovodstvo 22 no.7:38-39 '60.

(MIRA 16:5)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Swine--Feeding and feeds) (Tissue extracts)

MATYUNIN, I.P.; ZAKHAROV, P.F.; KOZLOV, N.D.; LEVIN, F.D., redaktor

[What the automobile driver must know] Chto neobkhodimo poznit' vladel'tsu avtomobilia. [Moskva] Izd-vo "Moskovskaya pravda," 1956. 49 p. (MIRA 10:3)

1. Moscow. Otdel regulirovaniya ulichnogo dvizheniya. 2. Otdel regulirovaniya ulichnogo dvizheniya Upravleniya Ministerstva vnutrennikh del gor. Moskvy (fro Matyunin, Zakharov, Kozlov)
(Automobile drivers)

ZVENIGORODSKAYA, M.Ya; LEVIN, P.D., redaktor; KALASHNIKOV, V.P., tekhnicheskii redaktor

[Where to study; a manual for students entering higher and secondary schools for special studies (technical and vocational) in Moscow and Moscow Province in 1956] Kuda poiti uchit'sia; spravochnik dlia postupaiushchikh v vysshie, srednie spetsial'nye uchebnye zavedeniia (tekhnikumy, uchilishcha, shkoly) i tekhnicheskie uchilishcha Moskvy i Moskovskoi oblasti v 1956 godu. God izd. 10-1. [Moskva] Izd-vo "Moskovskaia pravda," 1956. 214 p. (MLRA 9:10)
(Moscow Province--Technical education--Directories)

LEVIN F.D. PHASE I BOOK EXPLOITATION

541

• U.S.S.R. Ministerstvo vysshego obrazovaniya

Aspirantura pri moskovskikh vysshikh uchebnykh zavedeniyakh, nauchnykh i nauchno-issledovatel'skikh uchrezhdeniyakh; spravochnik dlya postupayushchikh v 1957 godu (Graduate Division of Moscow Schools of Higher Education and Scientific Research Institutions; a Manual for Students Entering in 1957) [Moscow] "Moskovskaya pravda", 1957. 151 p. 10,000 copies printed.

Ed.: Levin, F. D.; Tech. Ed.: Kalashnikov, V. P.

PURPOSE: The book is written to acquaint the reader with the available field for graduate work in the various educational institutions in Moscow.

COVERAGE: The book contains a list of educational institutions with graduate divisions in a variety of subjects. It offers other pertinent data for those wishing to enter graduate work, including copies of forms to be completed by applicants.

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GO/mas
8/12/58

ЮБЭВ, Анастолы Иванович; ЮФИС, Ye.A., kandidat tekhnicheskiki nauk,
spets.redaktor; LEVIN, [redacted] redaktor; KALASHNIKOV, V.P., tekhnicheskii redaktor

[Amateur photographer's companion] Sputnik fotoliubitelia. Izd.
3-e, dop. [Moskva] Izd-vo "Moskovskaia pravda." 1957. 238 p.
(Photography) (MIRA 10:10)