LEVINZON, Ye.S.; VYSHVANYUK, I.M.

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(Steel—Brittleness) (Tempering)

LEVINZON, YE.S., VYSHVANYUK, I.M.

Tempering of thermally hardened carbon steel and its effect on the level of the transition temperature to a brittle state.

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(Electric power distribution)
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(Turkmenistan--Moths--Extermination)

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(English language--Dictionaries--Russian)

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31940
S/187/62/000/001/001/003
D053/D114

16,8100 (1103, 1329, 1031)

AUTHOR: Levit, A.B.

TITLE: Television technique in the automatic control systems of industrial processes

PERIODICAL: Tekhnika kino i televideniya, no. 1, 1962, 23-31

TEXT: The author studies automatic control systems of industrial processes in which television (TV) equipment is used for obtaining information on the state of the controlled object. The purpose of this study is to work out a general approach to the design and planning of automatic control systems using TV equipment as information pickup devices and to derive a general relationship between the parameters of the TV equipment, the parameters of the control system units and the control program. There are two basic types of automatic control systems shown in Fig. 1 and Fig. 2. Both systems employ a TV unit (Fig. 3) for picking-up information on the state of the controlled object and a logic unit (Fig. 4). An analysis of these systems showed that it is futile to design TV information pickup equipment without a concrete

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Television technique in the ...

automatic control system, due to limitations in the intercoupling between the program control and the parameters of the control system units. There are 4 figures and 4 Soviet-bloc references.

4

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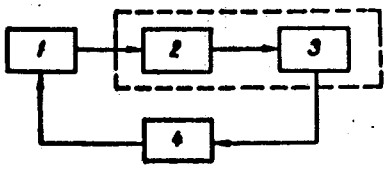

Fig. 1. Block diagram of the type I automatic control system.

Legend:

1 - machined product;
2 - pickup device transmitting information on the state of the machined product;
3 - logic unit;
4 - actuating mechanism.

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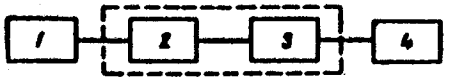

Fig. 2. Block diagram of the type II automatic control system.

Legend:

1 - observed object;

2 - pick-up device transmitting information on the state of the observed object;

3 - logic unit;

4 - holding unit.

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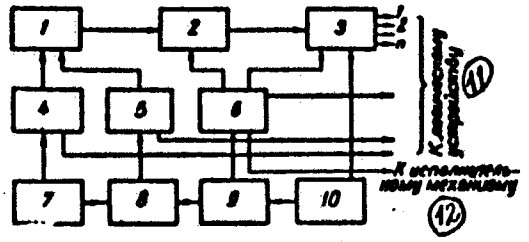

Fig. 3. Block diagram of the T.V. pick-up device transmitting information on the state of the object.

Legend:

1 - TV camera;
2 - video amplifier;
3 - coding unit;
4 - vertical-scanning generator;
5 - horizontal-scanning generator;
6 - timing frequency generator;
7 - line frequency divider;
8 - timing frequency divider;
9 - divider of the master-oscillator frequency;
10 - master oscillator;
11 - to the logic unit;
12 - to the actuating mechanism.

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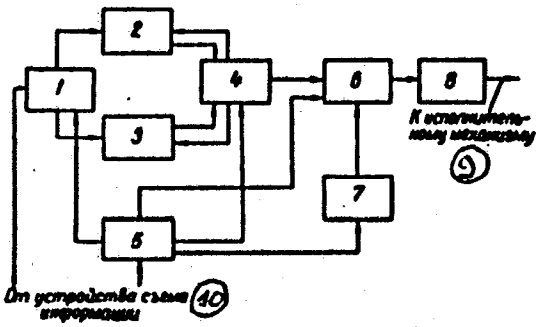

Fig. 4. Block diagram of the logic unit.

Legend:

1 and 4 - sampling units;

2 and 3 - operational storage units;

5 - timing generator;

6 - computer;

7 - programming unit;

8 - shaping unit;

9 - to the actuating mechanism;

10 - from the information pick-up unit.

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GRAGEROV, I.P.; LEVIT, A.F.

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1. Institut fizicheskoy khimii Akademii nauk USSR.
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1. Institut fizicheskoy khimii imeni L. V. Pisarzhevskogo Akademii nauk Ukrainskoy SSR.
(Oxygen—Isotopes)

GRAGEROV, I.P.; LEVIT, A.F.

Mechanism of oxidation of diphenyl sulfide by Caro's acid.
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(Phenyl sulfide) (Peroxymonosulfuric acid)

GRAGEROV, I.P.; LEVIT, A.F.

Isotopic exchange of iodoso- and iodo compounds with H_2O^{18}.
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(Iodine compounds) (Oxygen isotopes)

GRAGEROV, I.P.; LEVIT, A.F.; ZONOV, Yu.A.; TURKINA, M.Ya.

Benzene oxidation mechanism studied by means of isotopes and mass spectroscopy. Dokl. AN SSSR 150 no.1:109-112 My '63. (MIRA 16:6)

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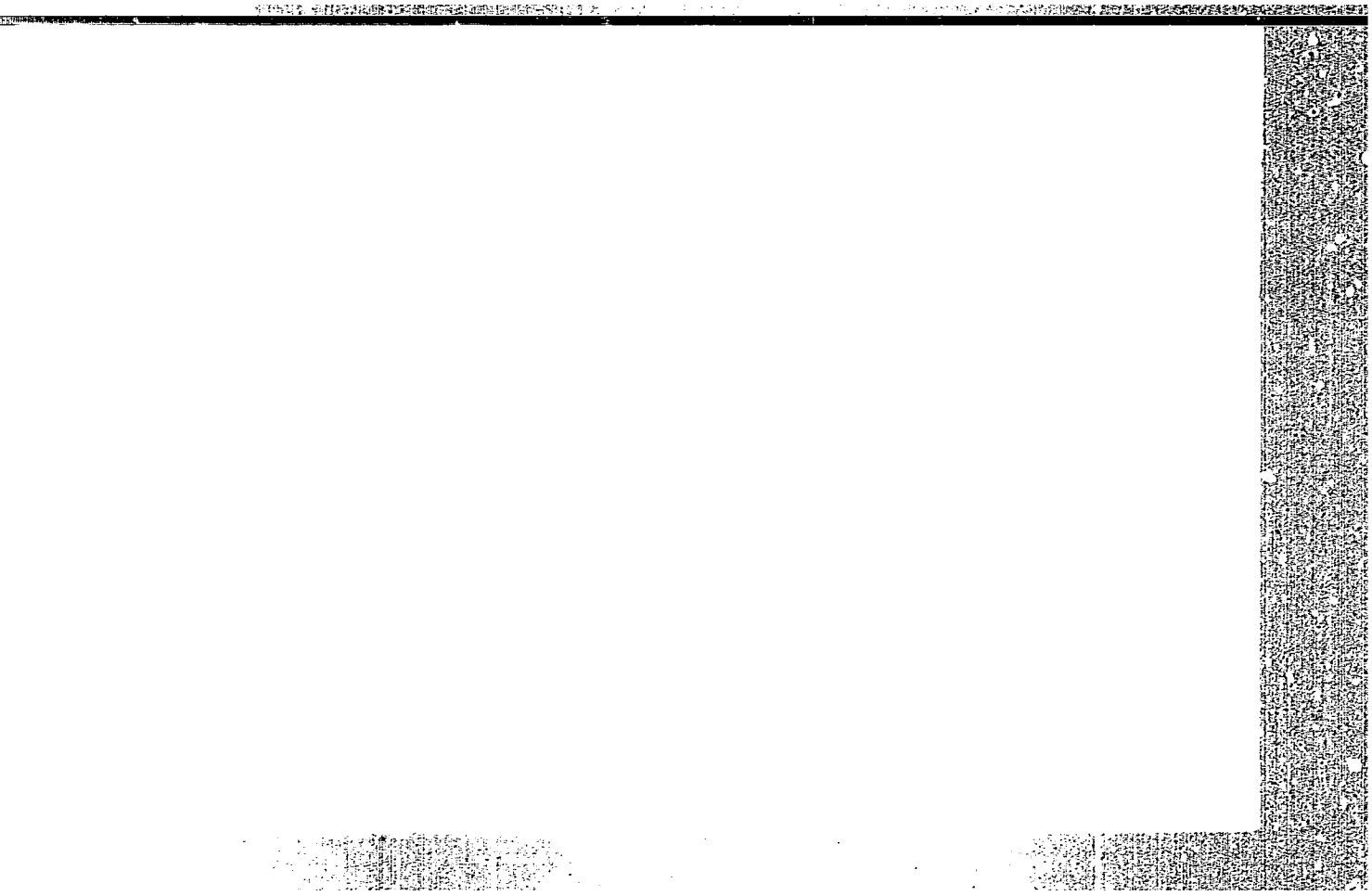

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929620006-7"

CA

A piston device for regular feeding of liquids. A. M. Gerri and L. Kh. Freidin (Acad. Sci. U.S.S.R., Moscow). Zavodskaya Lab. 16, 241-3 (1950).—The app. is a pressure-operated buret or syringe, the plunger of which carries a substantial wt., which is uniformly lowered by means of clockwork.
C. M. Kocolopoff

CA

2

Kinetics of dehydration of formic acid on phosphate catalysts and on aluminum oxide. L. Kh. Freidlin and A. M. Levit (Inst. Org. Chem., Acad. Sci. S.S.S.R., Moscow). *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1951, 625-35; cf. *Zhur. Obshchei Khim.* (J. Gen. Chem.) 21, 1255 (1951). Flow expts. were made at a feed rate of 0.16 ml. HCO_2H (82 or 100%)/min., on 30 ml. catalyst (wt. 9-11 g., length of column 8 cm.), with analyses of the gas for CO. The exptl. data (temp., ml. gas evolved per ml. HCO_2H, degree of decompn. in %) are: on $Ca(H_2PO_4)_2$ with 82% HCO_2H: 167°, 39.2, 8.4; 183°, 82.0, 17.7; 198°, 150.0, 33.7; 201°, 184.0, 40.0; 210°, 242.0, 52.3; 218°, 342.0, 73.8%; on $Ca_3(PO_4)_2$ with 82% HCO_2H: 172°, 20.0, 4.3; 198°, 49.5, 10.7; 200°, 63.7, 13.7; 220°, 121.0, 26.1; 230°, 190.0, 40.9; 248°, 290.1, 56.1; 256°, 303.2, 65.4%; on $Ca_3(PO_4)_2$ with 100% HCO_2H: 172°, 30.4, 6.6; 276°, 501.0, 100.0%. The gas evolved, in all cases, is 100% CO. The activation energies E (kcal./mole) and preëxponential factors k_0 are (with 82% HCO_2H), on $Ca(H_2PO_4)_2$, 17.6 and 4.8 × 10⁹, and on $Ca_3(PO_4)_2$, 15.2 and 3.2 × 10⁸. These catalysts are, consequently, highly selective in the sense of dehydration of HCO_2H as against dehydrogenation, and highly active. At a feed rate of 0.22 ml./min., at 276°, 501 ml. pure CO were evolved for 1 ml. HCO_2H, as against 63.8% decompn., with only 94.8% CO in the gas, obtained by Graeber and Cryder (C.A. 29, 6500) on his best catalyst, ThO_2 on silica gel at 280°. The phosphates retain undiminished activity after 20 hrs. service. The data for $Ca(H_2PO_4)_2$ fired 5 hrs. at 800° (with 82% HCO_2H) are: 201°, 31.0, 6.7; 240°, 135.1, 29.1; 234°, 157.0, 33.9; 278°, 293.2, 63.2%; CO content in gas 99.6-99.8%; E = 15.2, k_0 = 3.8 × 10⁸. For $Ca(H_2PO_4)_2$ heated 1 hr. at 250-300°: 147°, 25.8, 5.6; 157°, 50.0, 10.8; 170°, 104.0, 22.4; 178°, 168.1, 36.3%; CO in gas 100%, E = 22.7, k_0 = 3.2 × 10¹⁰. The firing results in a decrease of the rate by one half, with unchanged E. Preliminary heating to 250-300° increases the rate very considerably, despite some increase of E. The activity of Al_2O_3 is both lower and less selective than that of the Ca phosphates. Exptl. data with Al_2O_3 (concn. of HCO_2H, temp., ml. gas evolved/ml. HCO_2H, degree of decompn. of HCO_2H in %, CO content in gas in %) are: 100%: 301°, 112.1, 18.8, 94; 310°, 494.0, 83.2, 93; 72%: 301°, 79.1, 30.2, —; 310°, 302.0, 92.3, —; 82%: 261°, 62.5, 21.0, —; 310°, 290.0, 88.2, —; 30%: 261°, 42.5, 21.2, 83; 310°, 187.5, 91.2, 80. Treatment of Al_2O_3 by impregnation with K_2O lowers the selectivity still further, with 7% K_2O, at 301°, the activity was decreased by 30%, and the amt. of CO in the gas from 93 to 72%. Firing of Al_2O_3 6 hrs. at 800° lowers its activity by about one half.

N. Thon

CH

Determination of the relative adsorption coefficients of water and of formic acid on silica gel. L. Kh. Freikin and A. M. Lerii (Inst. Org. Chem., Acad. Sci. U.S.S.R., Moscow). *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1951, 709-805.—HCO$_2$H in aq. soln., at mol. concns. M from 10 to 100%, was passed over SiO$_2$ gel (4.5 g., 10 ml., length 3 cm.), treated 2 hrs. with HNO$_3$, washed and dried at 120–30°, at feed rates varying with M, and so calcd. that the molar feed rate was the same in all cases; if the feed rate of anhyd. (100%) HCO$_2$H is = 1.00, the feed rates used with M = 64, 50, 30, and 10 mol. % HCO$_2$H were, resp., 0.81, 0.77, 0.65, and 0.54. At 285°, the gas consists entirely of CO. The exptl. rates of evolution of CO, in ml./min., with HCO$_2$H of M = 100, 50, 30, 10%, were: on untreated SiO$_2$ gel, 23.1, 16.2, 8.3, 3.0; on SiO$_2$ gel promoted with 5% K_2O, 64.0, 39.0, 25.8, 10.0; on SiO$_2$ gel ignited 4 hrs. at 800°, 16.5, 6.2, 2.9, 1.0. The ratio s of the relative adsorption coeffs. of H_2O and of HCO$_2$H on the catalyst were calcd. from the rate m_0 of evolution of CO from anhyd. HCO$_2$H, and the rate m with HCO$_2$H of M mol. %, by $s = [(m_0/m) - 1]/[(100/M) - 1]$. On the above 3 samples of SiO$_2$ gel (untreated, promoted, and ignited), s (av.) = 1.1, 0.6, and 1.8, resp. Promotion of the SiO$_2$ gel with K_2O increases the adsorbability of HCO$_2$H even more; igniting lowers the adsorbability of HCO$_2$H even more strongly than of H_2O. The catalyst is more active, the lower is s, i.e. the smaller the adsorbability of H_2O as compared with HCO$_2$H. On untreated SiO$_2$ gel, with M = 100, 50, 30, 10 mol. %, the rates of evolution of CO at different temps. are: at 300°, 41.7, 20.7, 10.8, 4.2; at 285°, 23.1, 16.2, 8.3, 3.0; at 245°, 15.3, 7.0, 3.7, 2.3; the av. values of s, at 300, 285, and 245°, are, resp., 1.1, 1.1, and 2.5. On the promoted SiO$_2$ gel, the corresponding rates are, at 285°, 64.2, 39.1, 25.5, 10.0; at 245°, 44.4, 28.3, 17.6, 5.7; at 204°, 19.4, 7.8, 4.6, 1.5; the av. s = 0.6, 0.7, and 1.4. On ignited SiO$_2$ gel, at 285°, 16.5, 6.3, 2.9, 1.0; at 245°, 5.9, 1.3, 0.8, —; av. s = 1.8 and 3.1. With decreasing temp., the preferential adsorbability of H_2O increases on all 3 SiO$_2$ gel specimens.

LEVIT, A. M.

USSR/Chemistry - Catalysts Sep/Oct 51

"Investigation of the Kinetics of Dehydration of Formic Acid on Phosphate Catalysts and on Aluminum Oxide," L. Kh. Freydlin, A. M. Levit, Inst of Org Chem, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 5, pp 625-630

Investigated kinetics of dehydration of HCOOH in presence of $Ca_3(PO_4)_2$ (I), $Ca(H_2PO_4)_2$ (II), and Al_2O_3 (III); effect of dilu of HCOOH; and effect of heat treatment of catalysts on kinetics of process. Found I to be most sp, highly

195T24

USSR/Chemistry - Catalysts (Contd) Sep/Oct 51

productive, and stable of known catalysts for dehydration of HCOOH, total decomp of HCOOH being attainable at 276° C. Obtained gas is 100% CO. I is cheap, available, and unlike K_2SO_4, requires no acid-resistant material for reactor. Thus I is recommended for lab and coml use. III is less active, less sp than I and II.

195T24

PA 195T24

LEVIT, A. M.

Nov/Dec 51

USSR/Chemistry - Catalysts

"Determination of the Relative Adsorption Coefficients of Water and Formic Acid on Silica Gel," L. Kh. Freydlin, A. M. Levit, Inst Org Chem, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 6, PP 799-805

In view of the fact that dehydrated SiO_2 gel exhibits sharply lowered catalytic activity in dehydration of HCOOH, vapor phase hydrolysis of aromatic Hal derivs, etc, a study of relative adsorption of water and HCOOH seemed advisable. This study was carried out on untreated (I), calcined (II), and promoted (III) SiO_2 catalyst from the Voskresensk Chem Combine. Below 300°, HCOOH on I is adsorbed less strongly than water. With II, the relative adsorbability of HCOOH drops still lower. It rises sharply on silica gel promoted with K_2CO_3. The coeff of relative adsorption varies with temp. At low temps, the relative adsorbability of water rises.

FA 197T15

191T23

LEVIT, M. N.

USSR/Chemistry - Catalysts Jul 51

"Investigation of the Kinetics of Dehydration of Formic Acid on Silica Gel," L. Kh. Freydlin, A. M. Levit

"Zhur Obshch Khim" Vol XXI, No 7, pp 1255-1264

Investigated kinetics of dehydration of HCOOH at 200-300° C on differently treated silica gel specimens, whose apparent activation energies were in the order: thermally deactivated>active>promoted with inorg admixts. Gas product was 98-99% CO. Reached conclusions as to uniformity, location of active centers,

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USSR/Chemistry - Catalysts (Contd) Jul 51

effectiveness of different inorg admixts. Calcd number of active centers per 1 g silica gel, found it to be 10 times as great for 1 mol HCOOH as for 1 mol EtOH.

191T23

LEVIT, A. M.

USSR/Chemistry - Hydrocarbons Jan/Feb 52

"The Kinetics of the Dehydration of Alcohols in the Presence of Three-Substituted Calcium Phosphate," L. Kh. Freydlin, A. M. Levit, Inst of Org Chem, Acad Sci USSR

"Iz Ak Nauk, Otdel Khim Nauk" No 1, pp 163-171

Dehydration of alcs in presence of 3-substituted calcium phosphate proceeds highly selectively, with the gas contg 98-99% unsatd compds. Secondary alcs are most easily dehydrated by this method, iso-alcs less easily, and normal alcs least. The rate of

208T14

USSR/Chemistry - Hydrocarbons Jan/Feb 52
(Contd)

dehydration of normal alcs decreases with increasing mol wt. Calcination of the phosphate catalyst decreases its activity. On substitution of the hydrogen at the α and β carbon atoms of ethanol, the activation energy is reduced, as was found also with the use of other catalysts. K_2CO_3, which acts as promoter for phosphate catalyst in dehydration of HCOOH, poisons this catalyst in the dehydration of alcs.

208T14

FREYDLIN, L.Kh.; LEVIT, A.M.

Kinetics of the dehydration of alcohols in the presence of trisubstituted calcium phosphate. Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci. '52, 177-84 [Engl. translation].
(CA 47 no.19:9920 '53)

LEVIT, A.M.

Origin of hydrogen in gases extracted during water-gas and gas core surveys, and during gas logging. Geokhim.met.poisk.nefti i gaza no. 2:26-33 '54. (MLRA 9:10)

(Gas, Natural) (Hydrogen)

LEVIT, A.M.

Origin of hydrogen recovered during degasification of water and drilling fluid. Razved.i prom. geofiz. no.12:11-16 '55.(MLRA 9:7)
(Hydrogen) (Oil well logging)

LEVIT, A.M.

Effect of temperature on the degree of recovery of hydrocarbon gases from water and drilling fluid in a vacuum. Razved.i prom. geofiz. no.12:16-20 '55. (MLRA 9-7)
(Hydrocarbons)

LEVIT, A.M.

Initial concentration of combustible gases in gas logging. Razved. i prom.geofiz. no.13:44-46 '55. (MLRA 9:7)
(Oil well logging)

LEVIT, A.M.

Evaluation of degasifiers used in periodic gas logging. Razved. i prom.geofiz. no.13:47-52 '55. (MLRA 9:7)
(Gas, Natural)(Oil well logging)

15-57-3-3503

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3, p 149 (USSR)

AUTHOR: Levit, A.M.

TITLE: The Formation of Carbon Monoxide During Heating of Cores and Drilling Muds at Various Temperatures (Ob obrazovanii okisi ugleroda pri degazatsii kerna i shlama pri razlichnykh temperaturakh)

PERIODICAL: Tr. Vses. n.-i. geol-razved. neft. in-ta, 1956, Nr 7, pp 245-250

ABSTRACT: The author ascertained that the oxidation of organic substances in rocks, with the formation of carbon monoxide, occurs at temperatures of general heating of cores and drilling muds (100° to 107°).

no initials

Card 1/1

LEVIT, A.M.

Effect of various factors on the gas logging data. Razved. i prom. geofiz. no.19:55-57 '57. (MIRA 10:11)
(Oil well logging) (Gas, Natural)

KAMINSKIY, E.Z.; KOGAN, L.I.; NECHVOLODOV, V.V.; LEVIT, A.M.

Exchange of experience. Zav.lab. 27 no.6:769 '61. (MIRA 14:6)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni I.P. Bardina (for Kaminsky, Kogan).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki (for Levit).
(Scientific apparatus and instruments)

LEVIT, A.M.

Effect of the presence of carbon dioxide and hydrogen sulfide on the results of a general analysis and an analysis of the components of hydrocarbon gases. Razved. i prom. geofiz. no.40: 72-75 '61. (MIRA 15:7)
(Hydrocarbons) (Carbon dioxide) (Hydrogen sulfide)

LEVIT, A.M.

Comparative evaluation of degassers for mud and cores. Razved. i prom. geofiz. no.40:76-81 '61. (MIRA 15:7)
(Oil wells--Equipment and supplies)

LEVIT, A.M.

Calibration of chromatographs having thermochemical detectors. Zav. lab. 29 no.12:1497-1499 '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut yadernoy geofiziki i geokhimii.

LEVIT, A.M.

Use of carbohydrate gases in calibrating thermochemical detectors. Razved. i prom. geofiz. no.50:109-111 '63.

(MIRA 18:3)

LEVIT, A.M.

Complex of protective devices for radiological units using closed γ-emitters. Med. rad. 8 no.11:67-73 N '63. (MIRA 17:12)

1. Iz rentgenoradiologicheskogo tsentra (zav. L.Ye. Kishinevskiy) Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach T.V. Moshnyaga) i rentgenodiagnosticheskogo i luchevogo otdeleniya (starshiy nauchnyy sotrudnik N.Ya. Mil'man) Moldavskogo nauchno-issledovatel'skogo instituta onkologii, Kishinev.

LEVIT, A.M.

Reply to the observations of V.V. [illegible] and A.F. [illegible] on the article "Complex of protective devices for radiologic units using closed γ-emitters". Med. rad. 8 no.11:75-76 N '63. (MIRA 17:12)

LEVIT, G.V.

Morphology of the fowl tick Argas persicus Oken, 1818. Trudy Inst. zool AN Kazakh.SSR 1:37-50 '53. (MLRA 10:1)
(Ticks) (Parasites--Poultry)

LEVIT, A.E.

Results of work carried out by the Kuybyshev Province Malaria Control Station in controlling malaria and helminthiasis within the construction area of the Kuybyshev hydroelectric power plant. Med.paraz.i paraz.bol. no.2: 172-175 Mr-Ap '53. (MLRA 6:6)

1. Kuybyshevskaya oblastnaya protivomalyariynaya stantsiya. (Kuybyshev Province--Malarial fever) (Kuybyshev Province--Worms, Intestinal and parasitic)

LEVIT, A.V. kand.biologicheskikh nauk, GALUZO, I.G., otv.red.; USHAKOVA, O.V., kand.biologicheskikh nauk, red.; VOZHOVKO, I.V., red.; BOROKINA, E.P. tekhn.red.

[Mites infesting fowl and their control] Ptich'i kleshchi i bor'ba s nimi. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1954. 29 p. (MIRA 11:9)

1. Deystvitel'nyy chlen Akademii nauk Kazakhskoi SSR (for Galuzo).
(Poultry--Diseases and pests)

USSR/Medicine - Insect Control FD-2610

Card 1/1 Pub. 148 - 21/25

Author : Yu. I. Gadalin; N. L. Gershkovich; N. N. Gorchakovskaya; A. B. Levit; and V. A. Nabokov

Title : The results of the use of insecticidal smokes to control Ixodes persulcatus ticks

Periodical : Zhur. mikro. epid. i immun. 4, 92-97, Apr 1955

Abstract : The results of the work of the multipurpose expedition of the Institute of Malaria, Parasitology and Helminthology, Ministry of Health USSR; the Institute of Virology imeni D. I. Ivanovskiy, Academy of Medical Sciences USSR; and the Kuybyshev Oblast Antimalaria Station during 1954 are reported. Experiments with hexachlorane smoke aerosols produced by burning a special cartridge NBK (G-17) indicated that 95-98.5 percent of Ixodes persulcatus ticks in the treated area were killed. The results of the experiments are presented on two charts. No references are cited.

Institution :

Submitted : December 31, 1954

Translation D 300831

LEVIT, A. B

AID P - 2894

Subject : USSR/Medicine

Card 1/2 Pub. 37 - 11/20

Authors : Rakhmanova, P. I., Gadulin, Yu. I., Geminov, N. V., Kubatkin, V. I., Levit, A. B., Martensen, V. N., Popova, N. A.

Title : Use of zooprophylaxis against malaria in building new populated localities

Periodical : Gig. i san., 9, 48-49, S 1955

Abstract : Discusses preventive measures against mosquitoes in Pecherskiye Vyselki, a new development in the Kuybyshev Oblast'. The editorial office considers the material of this article insufficient for sanitary evaluation, and recommends further studies. Chart.

Institutions: Institute of Malaria, Medical Parasitology and Helminthology, Ministry of Health, USSR; State Sanitary Inspection for the Kuybyshev Hydroelectric

AID P - 2894

Gig. i san., 9, 48-49, S 1955

Card 2/2 Pub. 37 - 11/20

Power Plant, Kuybyshev Regional Antimalaria Station, and "Kuybyshevsel'proyekt" Planning Office.

Submitted : Jl 22, 1954

GADALIN, Yu.I.; GERSHKOVICH, M.L.; GORCHAKOVSKAYA, N.N; LEVIT, A.B.

An experiment in destroying Ixodes persulcatus , the carrier of tick-borne encephalitis in its natural environment [with summary in English] Biul.MOIP. Otd. biol. 61 no.3:35-41 My-Je '56. (MLRA 9:10)
(TICKS) (DDT (INSECTICIDE))

USSR/Zooparasitology - Mites and Insects as Disease Vectors. G-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43426

Author : Levit, A.V.
Inst :
Title : Ticks of the Superfamily Ixodoidea of Northern Caspian Sea Region.

Orig Pub : Tr. In-ta zool. AN KazSSR, 1957, 7, 15-58.

Abstract : The following 16 tick species of Ixodoidea were found on wild and domestic animals in Western Kazakhstan and Gur'ev districts: Argas persicus Oken, 1818, A. reflexus Fabr., 1794, A. vespertilionis Latr., 1796, Ornithodoros cholodkovskyi Pavl., 1930, Ixodes laguri laguri Ol., 1929, I. crenulatus Koch, 1835, I. lividus Koch, 1844, Haemaphysalis punctata Can. et Fanz., 1877, H. numidiana turanica Posp.-Str., 1946, Dermacentor marginatus Sulz., 1776, D. daghestanicus Ol., 1929, Rhipicephalus pumilio P. Sch., 1935, Rh. schulzei, Ol., 1929, Hyalomma asiaticum asiaticum

Card 1/2

Card 2/2

USSR/Zooparasitology - Mites and Insects as Disease Vectors. G-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43429

Author : Levit, A.V.
Inst :
Title : Tick Fauna of Superfamily Ixodoidea in Southern Kazakhstan

Orig Pub : Tr. In-ta zool. AN KazSSR, 1957, 7, 59-71.

Abstract : Near Biyli-Kul Lake and in the Kara-Tau mountains 16 species of Ixodoidea ticks were identified on wild and domestic animals: Argas persicus Oken, 1818, A. vespertilionis Latr., 1796, Ornithodoros lahorensis Neum., 1908, Ixodes sp., Haemaphysalis numidiana turanica Posp.-Str., 1946, H. punctata Can. et Fanz., 1877, Dermacentor marginatus Sulz., 1776, D. daghestanicus Ol., 1929, Rhipicephalus turanicus B. Pom., 1940, R. pumilio P. Sch., 1935, Rh. schulzei Ol., 1929, Hyalomma asiaticum asiaticum Sch. et Schl., 1929, Hyal. detritum P. Sch., 1919, Hyal.

Card 1/2

USSR/General Biology - Individual Development. Embryonal Development. B

Abs Jour : Ref Zhur Biol., No 6, 1959, 23609

Author : Levit, A.V.

Inst : Institute of Zoology, Academy of Sciences KazSSR

Title : A Case of Monstrosity in Ixodes acaride.

Orig Pub : Tr. In-ta zool. AN KazSSR, 1957, 7, 287-288

Abstract : No abstract.

Card 1/1

LEVIT, A.V.

USSR/Zooparasitology. Ticks and Insects as Disease Vectors. Mites. G

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77027.

Author : Godlin, Yu. I.; Geshkovich, N. L.; Gorchakovskaya, N.N.; Levit, A.V.

Inst :

Title : On the Problem of the Destruction in Nature of the Carrier of Tick Encephalitis of the Tick Ixodes persulcatus Sch.

Orig Pub: Byul. Mosk. o-va ispyt. prirody. Otd. biol., 1957, 62, No 2, 43-49.

Abstract: Results of investigations during 1952-1955 in the deciduous forests of the Kuybyshevskaya oblast are presented. The duration was studied of the effect of a single anti-tick treatment of the forest floor

Card : 1/3

USSR/Zooparasitology. Ticks and Insects as Disease Vectors. G
Mites.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77027.

creased to 0.2-0.3 g/m^2, or it can be replaced by GKhTsG in the same dosage.

Card : 3/3

LEVIT, A.V.

COUNTRY : USSR G
CATEGORY : Zooparasitology. Parasitic Protozoa. Flagellata

ABS. JOUR. : RZhBiol., No. 2 1959, No. 5674

AUTHOR : Levit, A. V.; Kappoport, A. S.
INST. : Institute of Zoology, AS KazSSR
TITLE : On Utilization of the Complement-Fixation Test in the Diagnosis of Trypanosomiasis (Su-Auru) in Cattle
ORIG. PUB. : Tr. In-ta zool. AN KazSSR, 1956, 9, 243-244

ABSTRACT : A complement-fixation test performed on 420 samples of the blood serum of cattle from rayons infected with su-auru revealed the presence of specific antibodies in animals which did not exhibit clinical symptoms.

CARD: 1/1

3

REMENTSOVA, M.M.; LEVIT, A.V.

Brucellosis in the hare Lepus tibetanus in the southern part of the Balkhash region. Trudy Inst.zool.AN Kazakh. SSR 12:57-63 '60. (MIRA 13:7)
(Balkhashskiy District--Brucellosis)
(Hares as carriers of disease)

LEVIT, A.V.

Serum diagnosis of toxoplasmosis. Trudy Inst.zool.AN Kazakh.SSR 12:75-77 '60. (MIRA 13:7)
(Toxoplasmosis) (Serum diagnosis)

LEVIT, A.V.

Isolating a strain of Toxoplasma Gondii Nicolle et Manceaux, 1908 from the polecat Mustela eversmanni Lesson; preliminary communication. Trudy Inst. zool. AN Kazakh. SSR 14:187-188 '60.
(MIRA 13:12)

(Toxoplasmosis)

GALUZO, I. G.; LEVIT, A. V.

Toxoplasma in wild animals of Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 16:3-8 '62. (MIRA 15:10)

(Kazakhstan—Toxoplasmosis)

LEVIT, A.V.; VUSTINA, U.D.

Isolation of Toxoplasma strains from rodents. Trudy Inst. zool. AN Kazakh. SSR 19:43-44 '63. (MIRA 16:9)
(Toxoplasma)

GALUZO, I.G.; LEVIT, A.V.; NOVINSKAYA, V.F.; GOLOSOV, V.I.; GORBUNOVA, Z.I.; KUZOVKIN, Ye.M.

Epizootiological foundations of the natural foci of toxoplasmosis. Trudy Inst. zool. AN Kazakh. SSR 22:27-33 '64. (MIRA 17:12)

LEVIT, A.V.; VUSTINA, U.D.; GUBENKO, L.N.

A new Toxoplasmalike organism in laboratory white mice. Trudy Inst. zool. AN Kazakh. SSR 22:34-43 '64.
(MIRA 17:12)

LEVIT, B.M., inzh.

Results of testing the model of an icebreaker with a vibration system in pure water. Trudy LIVT no.50:53-59 '63.
(MIRA 17:11)

LEVIT, B.M., inzh.

Selecting the basic characteristics of the "vibration unit" of an icebreaker and evaluating its ice-breaking capacity. Trudy LIVT no.62:52-57 '64.

(MIRA 18:11)

24.1200

S/258/62/002/002/017/018
I028/I228

AUTHOR: Levit, D. E. (Moscow)

TITLE: Determination of the pressure field at diffraction by an angle

PERIODICAL: Inzhenernyy zhurnal, v. 2, no. 2, 1962, 379-383

TEXT: Particular cases of the problem of the diffraction of a plane wave by an angular region, which was solved independently by Sobolev and Keller-Blanck, are considered in detail. A general solution of the wave equation is obtained, and a formula for p determined for the two particular cases of plane wave perpendicular to the angle bissectrice, and wave front parallel to the side. An effective method for calculating and plotting the isobars is indicated. The diffraction fields are plotted for the cases of acute, right, and obtuse angles. There are 6 figures.

√B

ASSOCIATION: Institut mekhaniki AN SSSR (Institute of Mechanics AS USSR)

SUBMITTED: January 10, 1962

Card 1/1

TIMOKHINA, M.A., dotsent; TALLERCHIK, V.A., oblastnoy akusher-ginekolog; LEBEDEVA, Ye. N., Vrach; LEVIT, D.O.; SHERYSHEVA, Z.G.; MALENKOVA, N.A.

Cause and prevention of incomplete pregnancy. Sbor. nauch. trud. Ivan. gos. med. inst. no. 28:330-339 '63 (MIRA 19:1)

1. Iz kafedry akusherstva i ginekologii (ispolnyayushchiy obyazannosti zav. kafedroy-dotsent M.A. Timokhina) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor-dotsent Ya. M. Romanov) i Ivanovskogo oblastnogo zdravotdela (zav. N.N. Vavulina).

LEVII, D. M.

Nomography (Mathematics)

Nomogram for determining fractions of two complex numbers a + jb and c + jd. Elektrichestvo No. 5. 1952.

Monthly List of Russian Accessions. Library of Congress. November 1952. UNCLASSIFIED.

LEVIT, B. R.

Nomography (Mathematics)

Nomogram for raising a number to a degree less than "one." Elektrichestvo No. 9, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS. Library of Congress, December 1952. UNCLASSIFIED.

PAVLOV, F.F., professor, doktor tekhnicheskikh nauk; LEVIT, D.Ye., inzhener.

[Atlas of nomograms for surveying calculations] Atlas nomogramm dlia markscheiderskikh vychislenii. Moskva, Ugletekhizdat, 1953. 67 p. (MLRA 7:2)
(Surveying--Tables, etc.)

LEVIT, D.Ye.

Nomogram for the solution of a complete cubic equation. Elektrichestvo no.8: p.3 of cover. Ag '53. (MLRA 6:8)

(Nomography (Mathematics))

LEVIT, D. YE.

AID P - 631

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 35/35

Author : Levit, D. Ye.

Title : A Nomogram for the Solution of an Equation of the Fourth Degree

Periodical : Elektrichestvo, 8, 96-97, Ag 1954

Abstract : Explanatory text and a diagram.

Institution : Not given

Submitted : No date

LEVIT, D.YE.

Subject : USSR/Electricity AID P - 1046

Card 1/1 Pub. 27 - 23/23

Author : Levit, D. Ye.

Title : Nomographic solution of a three-member equation of n^{th} degree

Periodical : Elektrichestvo, 11, 96-97, N 1954

Abstract : The author gives general formulas, two numerical examples and a nomogram.

Institution : None

Submitted : No date

Card 1/2

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk; AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.; ANTROPOV, A.N., inzh.; AFANAS'YEV, B.L., inzh.; BERGMAN, Ya.V., inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A., kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV, B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A., kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KALMYKOV, G.S., inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.; KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F., prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.; LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K., dots., kand.geol.-min.nauk; MEPURISHVILI, G.Ye., inzh.; MIRONOV, K.V., inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik; NEKIPELOV, V.Ye., inzh., PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N., doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn. nauk; RASHKOVSKIY, Ya.I., inzh.; ROMANOV, V.A., prof., doktor tekhn. nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.; SPERANSKIY, M.A., inzh.; TERENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh. [deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOV-SKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.; BURTSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.; RYZHOV, P.A., red.; BALAKHDIN, V.V., inzh., red.; BLOKH, I.M., kand. tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu., inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor tekhn.nauk, red.

(Continued on next card)

AKRAMOV, S.K.--- (continued) Card 2.

ZDANOVICH, V.G., prof., doktor tekhn.nauk, red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N., kand.tekhn.nauk, red.; SEMDERZON, E.M., kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand. tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk, red.; KOROLEVA, T.I., red.izd-va; KASHAIKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits and surveying] Geologiia ugol'nykh mestorozhdenii i marksheiderskoe delo. Redkolegiia toma S.V.Troianskiy. 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)
(Coal geology--Dictionaries)

RASHMATULIN, Kh.A. (Moskva); LEVIT, D.Ye. (Moskva)

Method for numerical integration of elastic equilibrium equations.
Insh.sbor. 28:224-240 '60. (MIRA 13:10)
(Differential equations) (Elasticity)

LEVIT, D.Ye. (Moskva)

Determining pressure field due to the diffraction by a wedge.
Inzh.zhur. 2 no.2:379-383 '62. (MIRA 15:6)

1. Institut mekhaniki AN SSSR.
(Diffraction)

L 18037-63 EWT(1)/BDS AFFTC/ASD
ACCESSION NR: AP3000726 S/0258/63/003/002/0403/0409

54
53

AUTHOR: Levit, D. Ye. (Moscow)

TITLE: Diffraction of pressure pulse from truncated wedge and strip

SOURCE: Inzhenernyy zhurnal, v. 3, no. 2, 1963, 403-409

TOPIC TAGS: diffraction, pressure, plane wave, superposition, semi-infinite region, truncated wedge

ABSTRACT: The method of superposition has been used to obtain expressions defining the pressure field from plane wave diffractions on a truncated wedge and a semi-infinite strip. The method used is an adaptation of existing wedge solutions. Pressure contours are obtained for a wedge angle of 60° and at the edge of a semi-infinite strip. "The author expresses his gratitude to N. V. Zvolinskiy and V. A. Afonas'yev for their influence and valuable advice." Orig. art. has: 4 formulas, 4 figures, and 4 tables.

Card 1/2

L 18037-63
ACCESSION NR: AP3000726

ASSOCIATION: Institut mekhaniki AN SSSR (Institute of Mechanics, Academy of Sciences, USSR)

SUBMITTED: 11Oct62 DATE ACQ: 21Jun63 ENCL: 00

SUB CODE: AI NO REF SOV: 002 OTHER: 001

Card 2/2

L 46739-66

ACC NR: AR6000468 SOURCE CODE: UR/0299/65/000/017/R036/R036

39
B

AUTHOR: Levit, Dzh.

TITLE: The role of SH- and SS-groups in cell resistance to high and low temperatures

SOURCE: Ref. zh. Biologiya, Abs. 9R217

REF SOURCE: Sb. Kletka i temperatura sredy. M.-L., Nauka, 1964, 180-184. Diskus., 204

TOPIC TAGS: high temperature effect, low temperature effect, plant metabolism, plant catabolism, PLANT SENSIBILITY

ABSTRACT: An hypothesis is presented to explain the resistance (R) of plants to the injurious effect of temperature. It is noted that, in the presence of noninjurious cooling, the volume of SH-groups does not change, but in the presence of lethal chilling it diminishes markedly. The reduction in volume of SH-groups responds to an equivalent increase in SS-bonds. Analogous results are obtained by heating. A similar phenomenon is observed in isolated albumins, but at higher temperatures than those which kill the plant. This argues in favor of a concept according to which the transition of SH-groups into SS-bonds precedes the injury, even evokes the latter, and is not a result of it. The resistance of many plants to the effect of low temperatures increases with the increase in volume of SH-groups at various stages of hardening. Consequently, stability is explained by the high resistance of SH-groups to oxidation. The oxidation of SH-groups under dehydration of protoplasm is

UDC: 577.3

Card 1/2

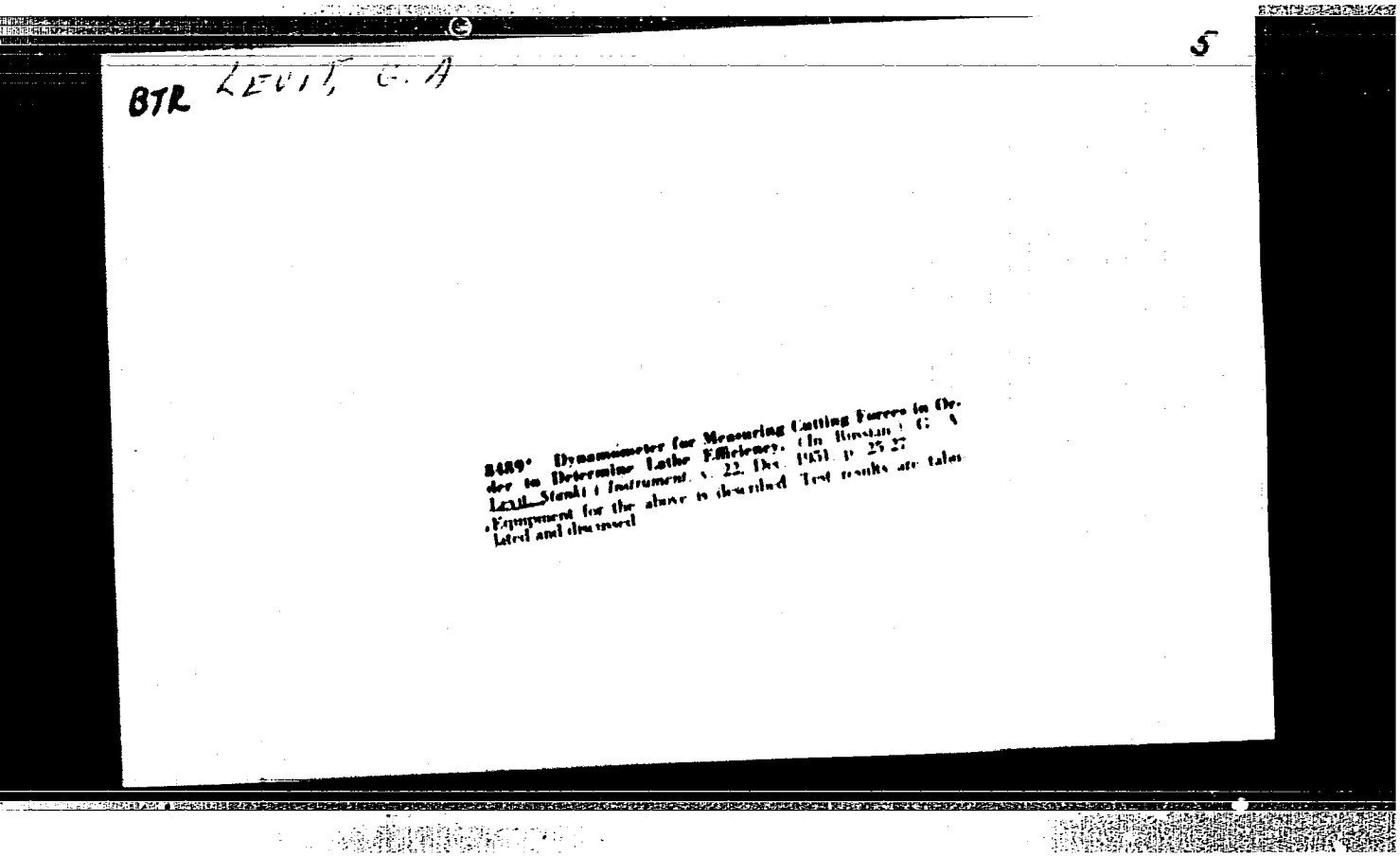
L 46739-66

ACC NR: AR6000468 O

explained by the proximity of albumins and by their reaction to each other. This leads to the development of molecules under rehydration at the time of thawing. The protective role of sugars and other carbohydrates is examined within the framework of the proposed hypothesis. L. Danilova [Translation of abstract]

SUB CODE: 06

Card 2/2



5

BTR LEVIT, G. A

3489. Dynamometer for Measuring Cutting Forces in Order to Determine Lathe Efficiency. (In Russian.) G. A. Levit. Stanki i Instrument, v. 22, Dec. 1951, p. 25-27.
Equipment for the above is described. Test results are tabulated and discussed.

LEVIT G. A.

LEVIT, G. A. -- "Friction Loss in the Driving Gears of Machines With Pinion Gear Housing of Gears." Sub 1 Jun 52, Moscow Machine-Tool and Tool Inst imeni I. V. Stalin. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January-December 1952

LEVIT, G. A.

AID P - 5160

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 1/19

Authors : Levit, G. A., and M. M. Tsyrlin

Title : Increasing performance efficiency of circular guides in vertical boring and turning machines.

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Abstract : The authors describe the research undertaken jointly by the Experimental Scientific Research Institute of Metal-Cutting Machines (ENIMS) and Machine-tool Construction Bureau No. 4 at the Kolomna Heavy Machine-tool Plant, in order to eliminate the formation of scorings on friction surfaces of the circular guides of vertical turning machines (the 1532-model was used). A few practical suggestions are given. Five drawings, 16 graphs, 2 tables.

Institutions: As above

Submitted : No date

LEVIT, G.A., kand. tekhn. nauk; PROKOPOVICH, A.Ye., red.; STUDENETSKAYA, V.A., tekhn. red.

[Antifriction spindle supports for high-speed lathes, turret lathes, and milling machines] Shpindel'nye opory kacheniia bystrokhodnykh tokarnykh, revol'vernykh i frezernykh stankov. Izd.2. Moskva, TSentr. biuro tekhn. informatsii, 1957. 49 p. (MIRA 11:8)

1. Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov.
(Machine tools--Attachments)

LEVIT, G.A

PHASE I BOOK EXPLOITATION 1136

Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov

Modernizatsiya tokarno-karusel'nykh stankov (Modernization of Vertical Turning Lathes) Moscow, Mashgiz, 1958. 265 p. 6,000 copies printed.

Authors: Gladkov, B.A., Grachev, L.N., Levit, G.A., Lapidus, A.S., Leshchenko, Yu.A., and Kudinov, V.A.; Ed.: Prokopovich, A.Ye.; Ed. of Publishing House: Ivanova, I.A.; Tech. Ed.: Tikhanov, A.Ya.; Managing Ed. for Literature on Metal Working and Tool Making (Mashgiz): Beyzel'man, R.D., Engineer.

PURPOSE: This book is intended for production personnel employing machine tool equipment, for designers of engineering departments, engineers and technicians.

COVERAGE: Vertical turning lathes in an actual operation are reviewed and basic trends and methods of modernizing them are discussed. Design examples and solutions of various design problems in

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modernizing the main drive, feed drives, table rests, and spindles are presented, and various devices for reducing the auxiliary operation time and increasing the versatility of operations are described. The problems of vibration stability of machines and safety measures are also discussed. No personalities are mentioned. There are 69 references, 66 of which are Soviet and 3 English.

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