LEVI, Moise Iosifovich; ZUYEV, V.A., red.

[Lymphocytic choriomeningitis; acute serous meningitis] Limfotsitarnyi khoriomeningit; ostryi seroznyi meningit. Moskva, Meditsina, 1964. 235 p. (MIRA 17:6)

LEVI, M. F.

(Let's raise goats) 2. ispr. i dop. izd. Moskva, "Sel'khozgiz", 1943.
53 p.

LEVI, M.R.

(Feeding and raising dairy goats) 2. perer. i dop. izd. Modkva, Gos. izd-vo selhoz. lit-ry, 1951. 126 p.

LEVI, M. F.

USSR/Agriculture - Cross-breeding

Card 1/1 : Pub. 77, 18/26

Authors : Levi, M. F., Cand. Agric. Sci.

Title : New breed of goats

Periodical : Nauka i zhizn' 21/7, 35 - 36, July 1954

Abstract : An account is given of the obtaining of a better quality of hair by crossing coarse-haired goats with Angora stock. The resulting weakening of the strain was corrected by scientific selective breeding. Illustrations.

Institution : ...

Submitted : ...

Levi M. F.

USSR / Farm Animals. Small Hornod Stock. -2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105665.

Author : ~~Levi, M. F.~~
Inst : Moscow Agricultural Academy imeni K. A. Timiryazev.
Title : Development of a Method of Accelerated Transformation of Coarse-Wool and Semi-Coarse Wool Sheep Breeding Into Semi-Fine-Wool Sheep Breeding in the Central Zone of RSFSR.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva, 1957, vyp. 30, ch. 2, 250-259.

Abstract: The crossing of Northern Short-tailed ewes with fine-wool rams of the Groznyy and Precoce breeds in 4 kolkhozes of the Kalininskaya Oblast ensures greater uniformity of the wool cover in the offspring than in hybrids derived from the

Card 1/2

BEKKER, S.M.; YEVDOKIMOV, A.I.; KIRSHENBLAT, Ya.D.; KONSTANTINOV, V.I.; LEVI, M.F.; LUR'YE, A.Yu.; NIKOLAYEV, A.P., prof.; NOVOSEL'SKIY, V.M.; PANCHENKO, N.A.; SHAGAN, B.F.; SYRKIN, M.M., red.; GITSHTEYN, A.D., tekhred.

[Practical obstetrics; selected chapters] Prakticheskoe akusherstvo; izbrannye glavy. Kiev, Gos.med.izd-vo USSR, 1958. 565 p. (MIRA 12:2)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Nikolayev).

(OBSTETRICS)

USSR/Medicine - Virus Diseases Mar/Apr 51

"Laboratory Diagnosis of Lymphocytic Choriomeningitis by Means of the Complement Fixation Reaction," M. I. Levi, Cand Med Sci, N. N. Basova, P. V. Rutshteyn, Virusol Dept, Ukrainian Inst Epidemiol and Microbiol imeni Mechnikov, and Cen Clinical Psychoneurol Hosp, Min of Transp

"Nevropatol i Psikhiat" Vol XX, No 2, pp 5-12

Describes prepn of antigen and reaction of complement fixation which is suitable for lab diagnosis. This reaction gives results corr to neutralization reaction, but is preferable to the

186T77

USSR/Medicine - Virus Diseases Mar/Apr 51
(Contd)

latter. States that lymphocytic choriomeningitis is not rare: It comprises no less than 10% of all neuro-infections in the Ukraine.

186T77

LEVI, M. I.

PA 24T15

USSR/Medicine - Virus Diseases Jan

"Distribution of the Virus of Lymphocytic Choriomeningitis Among Rodents," M. I. Levi, N. N. Basova, G. I. Chuyeva, S. G. Abramova, Ukr Inst of Epidemiol and Microbiol imeni I. I. Mechnikov

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 1, pp 52-57

Rodents of various species, including 827 common mice and 33 wild rodents of various species, were caught in urban, suburban, and rural localities. Thirty four strains of the virus of lymphocytic choriomeningitis were isolated from common mice,

24T

one from a forest mouse, and one from a field mouse. The degree of infection of rodents with the virus was highest in rural, next highest in suburban, and lowest in urban.

24T

LEVI, M. I.

LEVI, M.I.; GUSEV, V.M.; KISLYAKOVA, L.N.; CHUYEVA, O.I.; KISELV, R.I.; DERKACH, V.S., professor, ispolnyayushchiy obyazannost' direktora; ABRAMOV, S.G., zavedmyushchiy.

Natural nidi of lymphocytic choriomeningitis. Zhur.mikrobiol.epid.i immun. no.8:76-81 Ag '53. (MLRA 6:11)

1. Khar'kovskiy institut epidemiologii im. I.I.Mechnikova (for Derkach).
2. Khar'kovskaya protivochumnaya stantsiya (for Abramov).

(Meningitis, Cerebrospinal)

LEVI, M. I.

USSR/Medicine - Virology Dec 53

"A New Paralysis Virus Isolated From Common Mice," M. I. Levi, Khar'kov Inst of Epidemiol and Mikrobiol

Zhur Mikro Epid i Immun, No 12, p 57

Author isolated from grey mice a virus which is pathogenic to white mice, causing paralysis, and non-pathogenic to white rats, guinea pigs, and rabbits. Immunobiological investigation (reactions with sera counteracting various known viruses) led him to the conclusion that he had isolated a new virus which is related to the causative factor of tick encephalitis and partly to that of choriomeningitis, i. e. represents a strain intermediate between the two. 274146

1. LEVI, M. I., KISLYAKOVA, L. N., GOL'DSHMIDT, A. M.

2. USSR (600)

4. Meningitis

7. Etiology of acute serous meningitis. M. I. Levi, L. N. Kislyakova, A. M. Gol'dshmidt. Zhur. nevr. i psikh. 53, No. 2, 1953.

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

LEVI, M.I.; KISEL', R.I.; CHUYEVA, G.I.; KISLYAKOVA, L.N.

On the epidemiology of vesicular (pox-like) rickettsiosis.
Zhur.mikrobiol.epid.i immun. no.1:46 Ja '54. (MLRA 7:2)

1. Iz Khar'kovskogo instituta epidemiologii i mikrobiologii im. Mechnikova. (Rickettsia)

LEVI, M.I.; BASOVA, N.N.; RUTSHTEYN, P.V.

Method of applying the complement fixation reaction in diagnosis of lymphocytic choriomeningitis; author's abstract. Zhur.mikrobiol.epid.i immun. no.3:51 Mr '54. (MLRA 7:4)

1. Iz virusologicheskogo otdela Khar'kovskogo instituta vaktsii i syvorotok (direktor - kandidat biologicheskikh nauk G.P.Cherkas) i Tsentral'noy psikhonevrologicheskoy bol'nitsy Ministerstva putey soobshcheniya (nachal'nik N.P.Yushtin). (Meningitis) (Complement fixation)

KISLYAKOVA, L.N.; LEVI, M.I.

Study of the carrying time and excretion of virus in house mice. Zhur.mikrobiol.epid.i immun. no.3:86 Mr '54. (MLRA 7:4)

1. Iz Khar'kovskogo instituta epidemiologii i mikrobiologii im. Mechnikova. (Mice) (Meningitis)

USSR/Medicine - Lymphocytic Choriomeningitis FD-1630

Card 1/1 : Pub. 148-10/28

Author : Levi, M. I.; Kislyakova, L. N.; Gusev, V. M.; and Volchanetskaya, G. I.

Title : Investigation of rodents and their ectoparasites in foci of lymphocytic choriomeningitis

Periodical : Zhur. mikro. epid. i immun. 7, 44, Jul 1954

Abstract : The duration of the existence of lymphocytic choriomeningitis foci, the species of rodents found at the foci, and their ectoparasites were investigated from 1950 to 1952. Forty-nine strains of the virus of lymphocytic choriomeningitis were isolated from 369 house mice, common voles, and forest mice trapped at all seasons of the year in residences and industrial facilities where cases of the disease had been reported. No traces of the virus were found in cultures prepared from the various fleas and ticks living on these rodents. The species of the ectoparasites encountered are indicated. No references are cited.

Institution : Khar'kov Institute of Vaccines and Serums imeni Mechnikov (Dir.-Cand Biol Sci G. P. Cherkas)

Submitted : December 22, 1953

ZHDANOV, V.M.; LEVI, M.I.

Study of neuroviruses isolated from mice. Zhur. mikrobiol. epid. i immun. no.10:98 O '54. (MLRA 8:1)

1. Iz Kahar'kovskogo instituta epidemiologii i mikrobiologii im. Mechnikova.
(NERVOUS SYSTEM--DISEASES) (VIRUSES)

LEVI, M. I.

LEVI, M. I. -- "Lymphocytic Choriomeningitis." Moscow, 1956. (Dissertation for the Degree of Docotir in Medical Sciences).

So: Knizhnaya letopis', No 8, 1956, pp 97-103

Levi, M.I.

LEVI, M.I.

[Tissue culture in poliomyelitis research] Kul'tura tkani v izuchenii poliomiolita. Stavropol'. Stavropol'skaia pravda 1957. 154 p. (MIRA 11:1)

(TISSUE CULTURE). (POLIOMIELITIS)

LEVI, M.I.

"Botkin's disease." Reviewed by M.I. Levi. Vop.virus 3 no.2:121-125 Mr-Ap '58 (MIRA 11:5)
(HEPATITIS, INFECTIOUS)

LEVI, M.I.; VAL'KOV, B.G.; SHTEL'MAN, A.I.; KANATOV, Yu.V.

Experimental plague among different populations of southern gerbils (M.meridianus Pall.). Sbor. nauch. rab. Elist. protivochum. sta. no. 1:43-64 '59. (MIRA 13:10)
(COLGA DELAT REGION--PLAGUE) (BERBILS)

LEVI, M.I.; VAL'KOV, B.G.; MINKOV, G.B.; NOVIKOVA, Ye.I.

Experimental plague in different populations of the lesser suslik. Sbor. nauch. rab. Elist. protivochum. Sta. no. 1:65-83 '59. (MIRA 13:10)

(SUSLIKS) (PLAGUE)

LEVI, M.I.

Some additions to the characteristic features of the basic carriers of the plague microbe. Sbor. nauch. rab. Elist. protivochum. sta. no. 1:119-127 '59. (MIRA 13:10)

(PLAGUE) (FLEAS AS CARRIERS OF DISEASE)
(RODENTS AS CARRIERS OF DISEASE)

LEVI, M. I., VAL'KOV, B. G., SHTEL'MAN, A. I. and KANATOV, YU. V.

"Experimental Plague in Different Populations of Meridional Voles."

Tenth Conference on Parsitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Elistinskaya Anti-Plague Station

LEVI, M. I., VAL'KOV, B. G., MINKOV, G. B., and NOVIKOVA, YE. I.

"Experimental Plague in Different Populations of the Small Suslik."

Tenth Conference on Parsitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Elistinskaya Anti-Plague Station

LEVI, M. I.

"The Interrelationship Between the Primary Host and the Infectious Agent of Plague."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Anti-Plague Institute of Caucasia and Transcaucasia, Stavropol'

LEVI, M.I.; BASOVA, N.N.; SUCHKOV, Yu.G.

Characteristics of the complement fixation reaction in various infections. Vop.virus. 4 no.4:456-464 Jl-Ag '59. (MIRA 12:12)

1. Nauchno-issledovatel'skiy protivochumnyy institut Kavkaza i Zakavkaz'ya Stavropol' oblastnoy.
(COMPLEMENT)
(INFECTION, blood)

LEVI, M.I.; BASOVA, N.N.; ZUS'MAN, R.T.; CHERNIKOVA, T.M.; SUCHKOV, Yu.G.; RUDNEV, M.M.

Incidence of influenza in Stavropol during the 1957 pandemic. Vop.virus. 4 no.5:573-580 S-O '59. (MIRA 13:2)

1. Nauchno-issledovatel'skiy protivochumnyy institut Kavkaza i Zakavkaz'ya, Stavropol'.
(INFLUENZA, statist.)

LEVI, M.I.; CHERNOV, S.G.; LABUNETS, N.F.; KOSMINSKIY, R.B.

Aspiration method for the collection of fleas from rodent burrows [with summary in English]. Med.paraz. i paraz. bolezn. 23 no.1:64-69 Ja-F '59. (MIRA 12:3)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya Ministerstva zdravookhraneniya SSSR v Stavropole (dir. instituta V.N. Ter-Vartanov).
(FLEAS,
aspiration from burrows (Rus))

LEVI, M.I.; BASOVA, N.N.; SUCHKOV, J.G.

Optimal conditions for complement fixation reactions in some infections. Acta virol.Engl.Ed.Praha 4 no.6:348-355 N'60.

1. Caucasian and Transcaucasian Scientific Research Institute of Plague Control, Stavropol, U.S.S.R.
(COMPLEMENT)

BASOVA, N.N.; LEVI, M.I.

The reaction of complement fixation inhibition. Vop.virus. 5 no.3:259-266 My-Je '60. (MIRA 13:9)
(COMPLEMENT FIXATION)

LEVI, M.I.

Current status of the study of melioidosis and some research problems. Zhur.mikrobiol.epid.i immun. 31 no.2:133-139 F '60. (MIRA 13:6)

1. Is Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya.
(MELIOIDOSIS)

LEVI, M.I.; CHEKOMASOVA, A.V.; VASIL'YEV, N.V.

Study of the possibility of increasing the viability and immunogenicity of living avirulent plague vaccine. Zhur.mikrobiol.epid. i immun. 31 no.8:105-111 Ag '60. (MIRA 14:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya, Stavropol'.
(PLAGUE)

LEVI, M.I.; RALL', Yu.M.

Some additions to a description of the principal carriers of plague microbes. Zhur.mikrobiol.epid.i immun. 31 no.9:44-48 S '60.
(MIRA 13:11)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya, Stavropol'.
(PLAGUE)

LEVI, M.I.

Classification of serological reactions and determination of the neutralization reaction. Vop. virus. 6 no.5:630-632 S-O '61. (MIRA 15:1)

(SEROLOGY)

REZNIKOVA, Lyusi Solomonovna; EPSHTEYN-LITVAK, Rakhil' Veniaminovna; LEVI, Moisey Iosifovich; SOKOLOV, N.I., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Serological methodology of research in the diagnosis of communicable diseases]Serologicheskie metody issledovaniia pri diagnostike infektsionnykh boleznei. Moskva, Medgiz, 1962. 370 p. (MIRA 16:3)
(SERUM DIAGNOSIS) (COMMUNICABLE DISEASES)

LEVI, M.I.; BATUROVA, R.S.; BASOVA, N.N.; GERASYUK, L.G.

Reaction of erythrocyte disagglutination. Acta virol. 6:556-557 '62.

1. Scientific Research Institute of Plague Control and Municipal Sanitary Epidemiological Station, Rostov on Don, U.S.S.R.
(HEMAGGLUTINATION INHIBITION TESTS) (INFLUENZA VIRUSES)

NIKOLAYEV, N.I., otv. red.; LENSKAYA, G.N., zam. otv. red.; PASTUKHOV, B.N., zam. otv. red.; FENYUK, B.K., zam. otv. red.; ISHUNINA, T.I., red.; AKIYEV, A.K., red.; DOMARADSKIY, I.V., red.; DROZHEVKINA, M.S., red.; ZHOVTYY, I.F., red.; KOROBKOVA, Ye.I., red.; KRAMINSKIY, V.A., red.; KRATINOV, A.G., red.; LEVI, M.I., red.; LOBANOV, V.N., red.; MIRONOV, N.P., red.; PETROV, V.S., red.; PLANKINA, Z.A., red.; PYPINA, I.M., red.; SMIRNOV, S.M., red.; TER-VARTANOV, V.N., red.; TIFLOV, V.Ye., red.; FEDOROV, V.N., red.; PARNES, Ya.A., red.; PRONINA, N.D., tekhn. red.

[Especially dangerous natural focus infections] Osobo opasnye i prirodnoochagovye infektsii; sbornik nauchnykh rabot protivochumnykh uchrezhdenii. Moskva, Medgiz, 1962. 271 p.
(MIRA 16:5)

(COMMUNICABLE DISEASES)

LEVI, M.I.; MOMOT, A.G.

Serological examinations in plague. Report No.5: Methods of accelerated selection of plague pathogen strains by the yield of fraction I. Zhur. mikrobiol., epid. i immun. 40 no.2:88-93 F '63. (MIRA 17:2)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivochumnogo instituta.

LEVI, M.I.; SUCHKOV, Yu.G.; ORLOVA, G.M.; GERASYUK, L.G.; SHKODA, A.M.; PEYSAKHIS, L.A.; STOGOVA, A.N.; LOPATINA, N.F.; SUKHARNIKOVA, N.A.; PAK, G.Yu.; MUMINOV, K.M.; DONSKAYA, T.N.; NASSONOV, L.S.; VEYNBLAT, V.I.; MURTAZANOVA, E.Sh.; SHTEL'MAN, A.I.; LAVRENT'YEV, A.F.; BASOVA, N.N.; GOLKOVSKIY, G.M.; KULOV, G.I.; SAIAMOV, N.I.; ZALYGINA, N.I.

Results of the testing of the reactions of passive hemagglutination and neutralization of antibodies in the epizootologic examination of wild rodents for plague. Zhur. mikrobiol., epid. i immun. 40 no.12: 118-119 D '63. (MIRA 17:12)

1. Iz Rostovskogo i Sredne Aziatskogo protivochumnykh institutov, Chimkentskoy, Taldy-Kurganskoy, Aralomorskoy, Turkmenskoy, Astrakhanskoy i Frunzenskoy protivochumnykh stantsiy.

LEVI, M.I.; ZININ, P.I.; SHTEL'MAN, A.I.; SHIRYAYEV, D.T.; MIRONOV, N.P.; CHIKRIZOV, F.D.

Hereditary resistance to plague in Meriones meridianus. Bul. eksp. biol. i med. 56 no.7:75-79 Jl'63 (MIRA 17:3)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivochumnogo instituta i Astrakhanskoy protivochumnoy stantsii. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

LEVI, M.I.; SAGATOVSKAYA, L.A.; SUCHKOV, Yu.G.; MOMOT, A.G.

Serological study in plague. Report No.8: Sensitivity and specificity of the antibody neutralization reaction in plague and tularemia. Zhur. mikrobiol. epid. i immun. 40 no.5:65-68 My '63. (MIRA 17:6)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivochumnogo instituta.

LEVI, M.I.; BASOVA, N.N.; SUCHKOV, Yu.G.; ORLOVA, G.M.; GERASYUK, L.G.
MOMOT, A.G.

Reaction of passive hemagglutination and reaction of antibody neutralization in some infections. Zhur. mikrobiol. epid. i immun. 33 no.10:40-45 O'62 (MIRA 17:4)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivochumnogo instituta.

LEVI, M.I.

Detection of the capsular antigen in the pathogen plague in dialysates. Biul. eksp. biol. i med. 55 no.3:65-69 Mr '63. (MIRA 18:2)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivochumnogo instituta (direktor - kand. med. nauk A.K. Shishkin) Ministerstva zdravookhraneniya SSSR. Submitted May 22, 1962.

LEVI, M.I.; SUCHKOV, Yu.G.; ORLOVA, G.M.; GERASYUK, L.G.; SHKOLA, A.M.; PEYSAKHIS, L.A.; STOGOVA, A.N.; LOPATINA, N.F.; SUKHARNIKOVA, N.A.; PAK, C.Y.; MUMINOV, K.M.; DONSKAYA, T.N.; NASSONOV, L.C.; MEINBIAT, V.I.; MURTAZAKOVA, E.S ; STHEIMAN, A.I.; LAVRENTEV, A.F.; BASOVA, N.N.; KULOV, G.I.; GOLKOVSKY, G.M.; SALAMAKOV, N.I.; ZALYGINA, N.I.

Significance of serological methods in the epizootological study of plague in wild rodents. J. hyg. epidem. (Praha) 8 no.4:422-427 '64.

1. Institute of Scientific Research, Rostov on the Don and Central Asian Institute of Scientific Research, U.S.S.R.

ACCESSION NR: AP4012734 S/0218/64/029/001/0080/0087

AUTHOR: Poverennyy, A. M.; Levi, M. I.

TITLE: Investigation of the relationship between DNA structure and its antigen properties

SOURCE: Biokhimiya, v. 29, no. 1, 1964, 80-87

TOPIC TAGS: DNA, DNA structure, DNA serological activity, DNA adsorption, systemic lupus erythematosus, passive hemagglutination reaction, inhibited passive hemagglutination reaction, antibody neutralization reaction

ABSTRACT: After finding the optimal conditions for DNA adsorption on tannin treated ram erythrocytes, standard serological methods were used to investigate the relationship of antibodies to DNA in the blood of patients with systemic lupus erythematosus. The following reactions were determined: passive hemagglutination, inhibited passive hemagglutination, and antibody neutralization. Findings show that the passive hemagglutination reaction is sensitive and specific. Microquantities of DNA (0.008-0.1 mcg) can be detected by

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ACCESSION NR: AP4012734

the antibody neutralization reaction. In some cases, less single-strand denatured DNA and more double-strand native DNA are required to neutralize the antibodies in the blood of patients with systemic lupus erythematosus, and in other cases the requirements are reversed. The serological activity of DNA appears to be determined by its macrostructure and does not appear to be affected by differences in nucleotide composition or by number of NH_2-groups. Orig. art. has: 5 tables.

ASSOCIATION: Kafedra biologicheskoy khimii meditsinskogo instituta, Rostov-on-Don (Department of Biological Chemistry of the Medical Institute); Nauchno-issledovatel'skiy protivochumnyy institut, Rostov-on-Don (Scientific Research Antiplague Institute)

SUBMITTED: 22Apr63 DATE ACQ: 03Mar64 ENCL: 00

SUB CODE: AM NO REF SOV: 008 OTHER: 012

Card 2/2

TINKER, I.S. [deceased]; LEVI, M.I.; KHOKHLOVA, A.M.; ALESHINA, Ye.N.; ORLOVA, G.M.; GERASYUK, L.G.

Immunological comparison of the IA fraction of various strains of the plague pathogen. Zhur.mikrobiol.,epid. i immun. 41 no.5:144 My '64. (MIRA 18:2)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.

LEVI, M.I.

Antibodies to nucleic acids. Vop. virus. 10 no.3:259-265 My-Je '65.
(MIRA 18:7)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.

LEVI, M.I.; LIPNITSKIY, A.V.; DURIKHIN, K.V.

Distribution of antigen and antibodies in the body of animals (Citellus pygmaeus pall immunized with deposited antigen. Biul. eksp. biol. i med. 60 no.7:91-94 Jl '65. (MIRA 18:8)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.

POVERENNYY, A.M.; LEVI, M.I.

Existence of two types of antibodies to desoxyribose nucleic acid. Vop. med. khim. 11 no.2:95-97 Mr-Ap '65. (MIRA 18:10)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk, i Rostovskiy meditsinskiy institut.

SUCHKOV, Yu.O.; LEVI, M.Y.; [illegible] A.V.; BASOVA, N.N.; DURIKHIN, K.V.; GERASYUK, I.G.

Primary reaction in which a mice to the introduction of precipitated antigens [illegible], epid. i immun. 42 no.10:36-39 O '65. (MIRA 18:11)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut. Submitted May [illegible], 1964.

LEVI, N.

SVRAKOV, Dim., prof.; KODUKOVA, A.; LEVI, N.

Control of pain in the treatment of periodontal diseases. Stomatologiia, Sofia no.6:337-339 1953.

1. Is Katedrata po terapevtichna stomatologiia, pri Meditsinskata akademiia Vulko Chervenkov - Soviia. Zav. katedrata: prof. D.Svrakov.

(PERIODONTIUM, diseases,
ther., pain control)
(PAIN, therapy,
in periodontium dis.)

BALCHEVA, N.; KODUKOVA, A.; LEVI, N.; ATANASOVA, El.; TSOLOV, Khr.

Chronic benzene poisoning and its manifestations in the oral mucosa. Stomatologiia no.2:74-81 '54. (KRAL 3:7)

1. Iz Katedrata po terapevtichna stomatologiia. Zav. katedrata: prof. Svrakov. 2. Iz Republikanskiia nauchno-izsledovatelski institut po trudova khigiena i profesionali bolesti. Direktor: M.Lukanov.

(BENZENE, poisoning,
*manifest., oral mucosa)
(MOUTH, in various diseases,
*benzene, manifest., oral mucosa)
(POISONING,
*benzene, manifest., oral mucosa)

BALCHEVA, M.; LEVI, N.

Certain theories on etiopathogenesis of amphodontosis. Stomatologiia, Sofia no.5:276-280 1954.

1. Iz Katedrata po terapetichna stomatologii. Zav. katedrata: prof. D.Svrakov.

(PERIODONTIUM, diseases, etiopathogen., theories)

LEVI, N.

Proposal for preventing diseases transmitted by syringes used in drawing blood for laboratory tests. Lab.delo 3 no.6:44-46 N-D '57. (MIRA 11:2)

1. Iz klinicheskoy laboratorii (zav. N.Levi) bol'nitsy Ministerstva vnytrennikh del, Soviya.

(BLOOD--COLLECTION AND PRESERVATION)

LEVI, N.; GALENDINOV, L.

Electrophoretic determination of changes of the protein fractions in the blood in peptic ulcer. Suvrem. med., Sofia 9 no.3:75-81 1958.

1. Iz Voennata bolnitsa na MVR., Sofiia (Nachalnik: T. Ivanov).
(PEPTIC ULCER, blood in
proteins, determ. by electrophoresis (Bul))
(BLOOD PROTEINS, in various dis.
peptic ulcer, electrophoresis (Bul))

ENYEDZHIEV, M. N.; BOIADZHIEV, St.; LEVI, N.

Our observations on urogenital tuberculosis and on its therapy. Suvr. med. 12 no.11:75-81 '61.

1. Is urologichnoto otdelenie na bolnitsata za kostno-stavna i urologichna tuberkuloza v Sofiia Pancharevo (Gl. lekar Zh. Lerecv).

(TUBERCULOSIS UROGENITAL)

LEVI, N.Ef.

A clinical-epidemiological study of epidemic hepatitis in the city of Khaskov and its environs between 1 January 1956 and 1 March 1959. Suvrem med., Sofia no.6:30-35 '60.

1. Iz Okruzhnata bolnitsa, Khaskovo (Gl.lekar: N.Petev)
(HEPATITIS INFECTIOUS statist.)

S/073/62/028/004/004/004
I017/I217

AUTHORS: Yeremenko, V.N., Nizhenko, V.I., Levi, N.I., and Bogatyrenko, B.B.

TITLE: Surface tension of liquid alloys of binary metalic systems having maximum on the liquidus curve

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, v.28, no.4, 1962, 500-505

TEXT: The surface tension and the density of liquid alloys of nickel with aluminum at 1540°C and nickel with berillium at 1500°C were determined. It was found that the formation of the alloys in the studied systems, is accompanied by chemical interaction which causes decreasing of volume and negative deviation of the isotherm of the specific volumes from the additive values.
The analogy between the type of diagrams: surface tension/composition and the diagram of state is stated. The compound NiBe is inactive toward bothe the components of the system. The compound NiAl

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S/073/62/028/004/004/004
I017/I217

Surface tension of liquid alloys...

is surface active toward nickel and inactive toward aluminium. Results show that, melting alloys conserve, in a large degree, the molecular groups corresponding to the composition of the intermetallic phases existing in the solid alloys. There are 4 figures and 1 table.

ASSOCIATION: Institut metallokeramiki y spetsialnikh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS Ukr SSR)

SUBMITTED: March 2, 1961

Card 2/2

YEREMENKO, V.N.; NIZHENKO, V.I.; LEVI, N.I.; BOGATYRENKO, B.B.

Surface tension of liquid alloys of binary metal systems with a maximum on liquidus curves. Ukr.khim.zhur. 28 no.4:500-505 '62. (MIRA 15:8)

1. Institut metallokeramiki i spetsial'nykh splavov AN USSR.
(Alloys) (Surface tension)

GURDZHI, Ye.S.; BUNAREVA, Z.S.; FINODINA, K.V.; KHARITONOVA, L.G.; LEVI, P.B.

Antistatic treatment of nitron staple fiber. Khim. volok. no.4:29-31 '63. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Gurdzhi, Bunareva, Finodina). 2. VNIIVS (for Kharitonova). 3. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti (for Levi).

LEVI, P.B.

Manufacture of yarn from staple nitron on cotton spinning machinery. Nauch.-issl.trudy TSNIIKHBI. '60 [publ. '62]:153-162. (MIRA 18:2)

BELOV, B.I., kand. khim. nauk, dotsent; LEVI, P.B., starshiy nauchnyy sotrudnik; PISKAREV, I.V.; RAYTMAN, M.Ya.

Reviews and bibliography. Tekst. prom. 25 no.9:80 S '65.
(MIRA 18:10)

1. Kafedra organicheskoy khimii Moskovskogo instituta narodnogo khozyaystva imeni G.V. Plekhanova (for Belov). 2. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti, Moskva (for Levi). 2. Starshiye inzhenery Gosudarstvennogo komiteta po legkoy promyshlennosti pri Gosplane SSSR (for Piskarev, Raytman).

LEVI, P. B., starshiy nauchnyy sotrudnik

Use of cotton systems for the manufacture of yarn from nitron staple. Tekst. prom. 23 no.3:15-19 Mr '63. (MIRA 16:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti (TSNIKhBI).

(Textile fibers, Synthetic) (Spinning)

LEVI, P.B.

Studying the process of the winding of nitron and lavsan fiber warp. Nauch.-issl. trudy TSNIKHBI za 1962 g.:159-165 '64.
(MIRA 18:8)

LEVI, R.I.; [illegible]

Course of tuberculosis in children and adolescents treated with streptomycin and PAS. Probl.tub. 37 no.5:35-38 '59. (MIRA 12:10)

1. Iz Pervoy detskoy tuberkulesnoy bol'nitsy Moskvy (nauchnyy rukovoditel' - prof.V.D.Markuzon, glavnyy vrach A.I.Odintsova [deceased]).
(STREPTOMYCIN - therapy)
(PARA-AMINOSALICYLIC ACID - therapy)

MARKUZON, V.D., prof.; Prinimali uchastiye: Kogan, E.S.; LEVI, R.I.

Seventieth anniversary of the First Children's Tuberculosis (formerly Olginskaya) Hospital, 1887-1957. Pediatriia 37 no.8:19-24 Ag '59. (MIRA 13:1)

1. Glavnyy vrach 1-y detskoy tuberkuleznoy (byvshey Ol'ginskoy) bol'nitsy (for Kogan). 2. Zaveduyushchiy podrostkovym otdeleniyem 1-y detskoy tuberkuleznoy (byvshey Ol'ginskoy) bol'nitsy (for Levi).
(HOSPITALS)

GROMOV, V.S., kand. khim. nauk, otv. red.; DOMBURG, G.E., kand. khim. nauk, red.; IYEVIN'SH, I.K.[Ievins, I.], kand. tekhn. nauk, red.; KAL'NINA, V.K.[Kalnina, V.], kand. tekhn. nauk, red.; RUPAYS, Ye.A.[Rupais, E.], kand. khim. nauk, red.; SERGEYEVA, V.N., doktor khim. nauk, red.; ERMUSH, N.A.[Ermus, N.], st. nauchn. sotr., red.; YUKNA, A.D.[Jukna, A.], kand. tekhn. nauk, red.; LEVI,S., red.; SHKLENNIK, Ch., red.

[Chemical processing and preserving of wood] Khimicheskaia pererabotka i zashchita drevesiny. Riga, Izd-vo AN Latv.SSR, 1964. 238 p. (MIRA 18:1)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija. 2. Institut khimii drevesiny AN Latviyskoy SSR (for Gromov, Sergeyeva, Ermush).

LEVI, S.

The plane iron with changeable blades. Prom.koop.no.5:29 My '56.
(Plane table) (MLRA 9:9)

LEVI, S.

Hand electric devices for sanding and polishing. Prom.koop. no.1:30 Ja '57. (MLRA 10:4)
(Germany, East--Grinding and polishing)

SPASOV, Sp.; KOLESNIKOV, Vl.; DESPOTOV, V.; SAVOVA, E.; LEVI, S.

Early and remote results of Olbi operation. Khirurgiia, Sofia 11 no.5-6: 660 1958.

1. Iz Sanatoriuma za kostno-stavna tuberkuloza--Pancharevo.
(TUBERCULOSIS, OSTEOARTICULAR, surgery,
Olbi operation (Bul))

LEVI, S.

Combined renal and osteoarticular tuberculosis. Khirurgiia 15 no.2/3:250-251 '62.

1, Iz Bolnitsa za kostno-stavna tuberkuloza - Pancharevo.
(TUBERCULOSIS RENAL case reports)
(TUBERCULOSIS OSTEOARTICULAR case reports)

DRAGOJEVIC, B.; ARSOV, D.; MILETIC, D.; GEORGIEV, K.; SERAFIMOV, K.; DAVCEV, P.; LEVI, S.

Cancer of the stomach. 10-year clinical experience. Acta chir. Iugosl. 10 no.2:125-133 '63.

1. Hirurska klinika (Upravnik prof. dr B. Dragojevic), Interna klinika (Upravnik prof. dr D. Arsov), Patoloski institut (Upravnik prof. dr D. Miletic), Rendgen institut (Upravnik doc. dr D. Tevcev) Medicinskog fakulteta u Skopju.
(STOMACH NEOPLASMS) (NEOPLASM STATISTICS)
(GASTRECTOMY)

S

DOROSIEV, Boris, arkh.; LEVI, Solomon

Color layout of the premises, machines, and equipment.
Tekstilna prom 12 no.3:29-33 '63.

1. Komitet po lekata promishlenost (for Dorosiev).
2. Durzhaven komitet za nauka i tekhnicheski progres (for Levi).

DEYCH, Vul'f Samuilovich[Deics, Vulfs], kand. ekon. nauk; TUMASHEVITS, Vitol'd Fritsevich [Tumasevits, Vitolds], kand. ekon. nauk; Primimal uchastiye TILTS, E.E., mlad. nauchnyy sotr.; DZERVE, P.P., kand. ekon. nauk, red.; NECHETNIY, N.F., kand. ekon.nauk, red.; LEVI, S., red.; BOKMAN, R., tekhn. red.

[Policy of economy in light industry enterprises of the Latvian S.S.R.] Rezhim ekonomii na predpriiatiiakh legkoi promyshlennosti Latviiskoi SSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1956. 144 p. (MIRA 16:6)

(Latvia--Manufactures)

CIMAHOVICA, Natalija; LEVI, S., red.; BOKMANIS, R., tekhn. red.

[Broadcasting from space] Raida kosmoss. Riga, Latvijas PSR Zinatnu akademijas izdevnieciba, 1961. 70 p. (MIRA 15:3)

(Radio astronomy)

LEINASARE, Ingrida; LEVI, S., red.; LEMBERGA, A., tekhn. red.

[Farming and farm implements in Latvia during the decline of the feudal system] Zemkopibas and zemkopibas darba riki Latvija klausu saimniecibas sairuma laika. Riga, Latvijas PSR Zinatnu akad, Izdevnieciba, 1962. 166 p. (MIRA 15:12)
(Latvia—Agricultural implements)

RINKIS, Gunars; LEVI, S., red.; LEMBERGA, A., tekhn. red.

[Methods for rapid colorimeteric determination of microelements in biological specimens] Metody uskorennogo kolorimetricheskogo opredeleniia mikroelementov v biologicheskikh ob"ektakh. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 122 p. (MIRA 16:5)
(Trace elements) (Colorimetry)

ALEKSEYEVA, Lidiya Nikolayevna; LEVI, S., red.; LEMBERGA, A., tekhn. red.

[Antibacterial preparation - derivatives of 5-nitrofuran] Antibakterial'nye preparaty - proizvodnye 5-nitrofurana. Riga, Izd-vo AN Latv.SSR, 1963. 217 p. (MIRA 17:3)

JAUGIETS, Voldemars; SLUCKINA, Ruta; LEVI, S., red.; PILADZE, Z., tekhn. red.

[Academician Janis Berzins; biobibliography] Akademikis Janis Berzins; biobibliografija. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 77 p. (MIRA 17:3)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija. Fundamentala biblioteka.

PEILE, E.; SLUCKINA, R.; LEVI, S., red.

[Academician Arvids Kalnins; a biobibliography] Akademikis Arvids Kalnins; biobibliografija. Riga, Latvijas PSR Zinatnu Akad. izd-ba, 1964. 154 p. (MIRA 17:10)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija. Fundamentala biblioteka.

LEVI, S., red.

[Concentration and specialization in the machinery industry of the Latvian S.S.R.] Kontsentratsiia i spetsializatsiia v mashinostroenii Latviiskoi SSR. Riga, Izd-vo AN Latviiskoi SSR, 1964. 75 p.
(MIRA 18:7)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija. Ekonomikas instituts.

TUMASHEVITS, V.F.[Tumasevic, V.]; SVIKIS, V.; KOLOTUKHINA, P.I.; DANEMANE, V.; ZIEMELE, I.; IL'INA, S.G.; KARKLINA, S.; SAKSONE, V.; LEVI, S., red.

[The lumbering and woodworking industry of the Baltic Economic Region; its condition and prospects for development] Lesopil'no-derevoobrabatyvaiushchaia promyshlennost' Pribaltiiskogo ekonomicheskogo raiona; sostoianie i perspektivy razvitiia. Riga, Izd-vo AN Latviiskoi SSR, 1964. 95 p. (MIRA 18:6)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija. Ekonomikas instituts.

[redacted], M.; BOIADZHIEV, S.; LEVI, S.

On classification of tuberculosis of the urogenital organs.
Khirurgia (Sofia) 17 no.3:337-340 '64.

1. Bolnitsa za kostno-stavna i pikocho-polova tuberkuloza (Gl. lekar: Zh. Lereov).

LEVI, S.A.

"An Investigation of the Work of a Hinged Plowing Unit on Slopes";

dissertation for the degree of Candidate of Technical Sciences (awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2, 1963, pp 232-236)

Levi, Sh.

BULGARIA / Organic Chemistry--Synthetic organic chemistry. G-2

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49526

Author : Levi, M.; Levi, Sh.
Inst : Bulgarian Institute for Pharmacology
Title : The Oxidation of 4-ethylpyridine by Manganese Dioxide

Orig Pub : Farmatsiya (Bulgaria), 8, No 4, 20-22 (1958)

Abstract : Isonicotinic acid (I) is readily synthesized by the oxidation of 4-ethylpyridine (II) by technical grade MnO_2 and H_2SO_4 under mild conditions: 50 gms II in 0.6 liter 70% H_2SO_4 are gradually treated with 400 gms 60% MnO_2 at 55 - 60°, the solution is stirred for 1 hr, after which it is heated for 1 hr at 85° and for 2 hrs at 100 - 105°; the filtrate is treated with NH_4OH to pH 3.5 and I is separated. The mother liquor is neutralized and the I is precipitated as the complex with $CuSO_4$.

Card 1/2

G-17

LEVI, S. M.

USSR/Engineering - Testing Equipment, Films Instrumentation Sep 50

"Device for Automatic Control and Regulation of Film Thickness," B. V. Deryagin, N. R. Kudryavitskiy, S. M. Levi, All-Union Sci Res Inst of Cinematography

"Zavod Lab" Vol XVI, No 9, pp 1091-1093

Uses 2 pairs of condensers -- one before one after emulsion bath -- in 2 oscillator circuits. Coated film passing between 2d pair of condensers changes their capacitance, disrupting circuit. Voltage change is measured by inductively coupled voltmeter, and relation established tetween currents and emulsion-layer thickness.

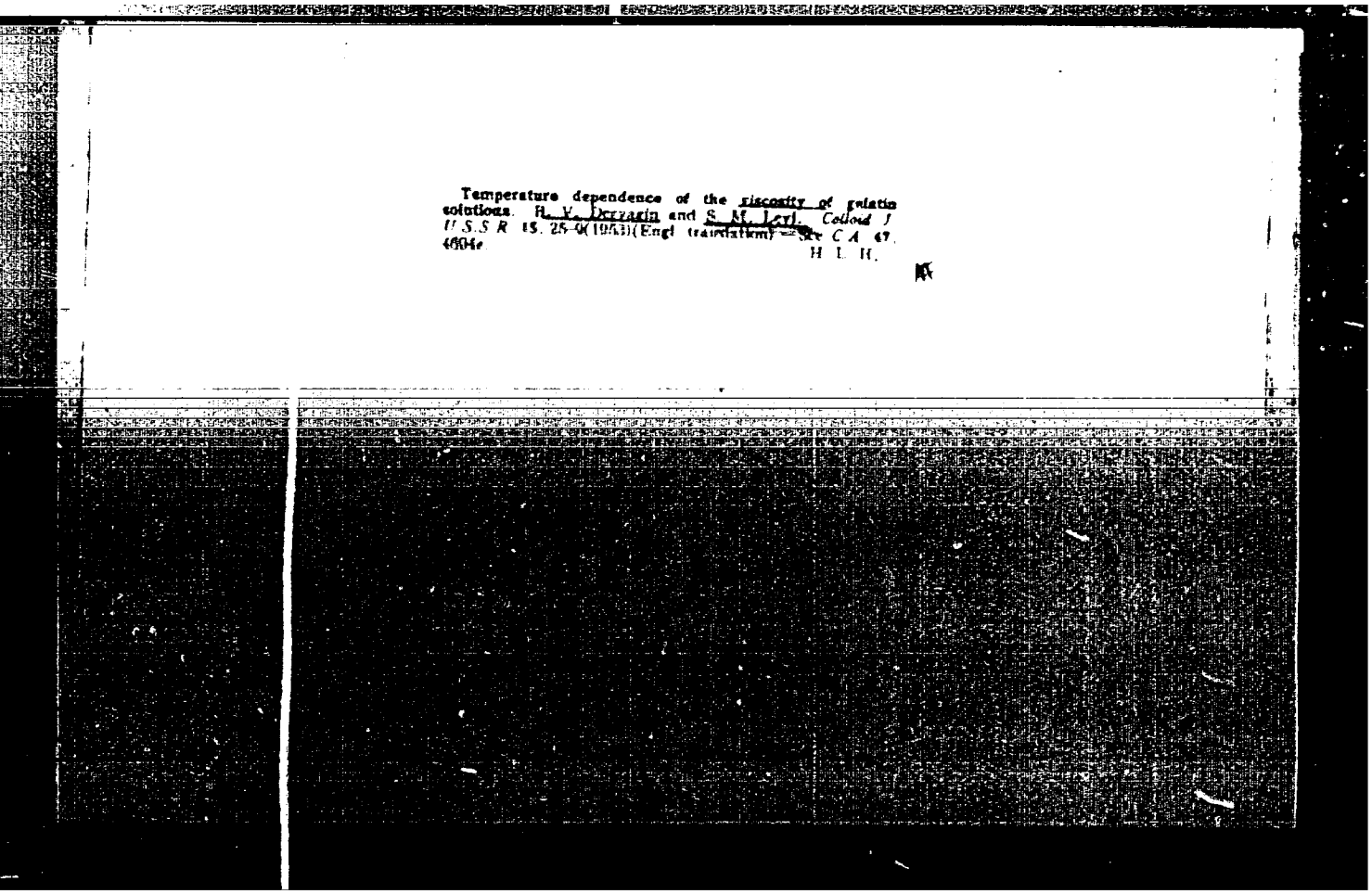
FDD PA 169T32

LEVI G. M.

Effect of surface-active substances (colored components) on the specific viscosity of solutions of gelatin and photographic emulsions. B. V. Deryagin, S. M. Levi, and V. S. Kol'tsov. *Doklady Akad. Nauk S.S.S.R.* 70, 281-6 (1931).—Viscosities of solns. of gelatin of different concns. (4–10%) were detd., at 35°, in the presence of different concns. of the dyes 3-(*p*-stearoylaminobenzamido)-1-naphthol-4-sulfonic acid (I), blue; *p*[3-(heptadecyl)-5-oxo-2-pyrazolin-1-yl]benzenesulfonic acid (II), purple; and *m*-(α-*p*-octadecylbenzoylacetamido)benzoic acid (III), yellow. If Einstein's formula $\eta = \eta_0(1 + k\varphi)$ (where φ = ratio of the vol. of the solute to the total vol. of the medium), which is valid for $\varphi \ll 1$, is treated as a differential law, i.e. $d\eta = \eta_0 k d\varphi$, the integrated equation is $\eta = \eta_0 e^{k\varphi}$. The measurements show a very strong effect of small amts. (a few tenths of a cc./cc.) on η which passes through a max. This cannot be due to an effect on η_0 (the viscosity of the solvent) but must be attributed to a change of k which is characteristic of the shape of the colloidal particles. Adsorption or, more generally, binding of the dye mols. by gelatin particles evidently results in an unfolding of the gelatin polymer chains, which thus become more elongated and have a greater k than do coiled up particles. Disregarding internal thermal motion within the chains (consideration of which would only make the difference of a statistical distribution of chain shapes), one can put $k = f(\Gamma)$, where Γ = amt. of dye sorbed by the gelatin. At low gelatin concns. c, it can be assumed that practically all the dye is sorbed, and the amt. remaining in soln. can be disregarded; if so, $k = f(c_1/c)$, where c_1 = concn. of the dye, and $\eta = \eta_0^{f(c_1/c)}$, or $(1/c)\ln(\eta/\eta_0) = f(c_1/c)$. Verification of this consists in plotting $(1/c)\ln(\eta/\eta_0)$ as a function of (c_1/c) and obtaining a single curve for different not-too-small c and not-too-large c_1. For II, it is found from the exptl. data, k_0 (in the absence of dye) = 35, and $k_{max.}$ = 110. Hence, with the aid of the equation of Simha (*C.A.* 34, 1535[5]) for the ratio f of the large and the small axis of the ellipsoid, $f_0 = 10$ and $f_{max.} = 38$. Similar results are found also for the other dyes. This confirmed that gelatin particles in soln. are elongated chain coils which, upon sorption of surface-active dyes, can stretch out by about a factor of 2. This conclusion is further corroborated by the observation that with increasing amts. of dye the gelatin solns. acquire an increasing limiting shearing stress, i.e. acquire structure.

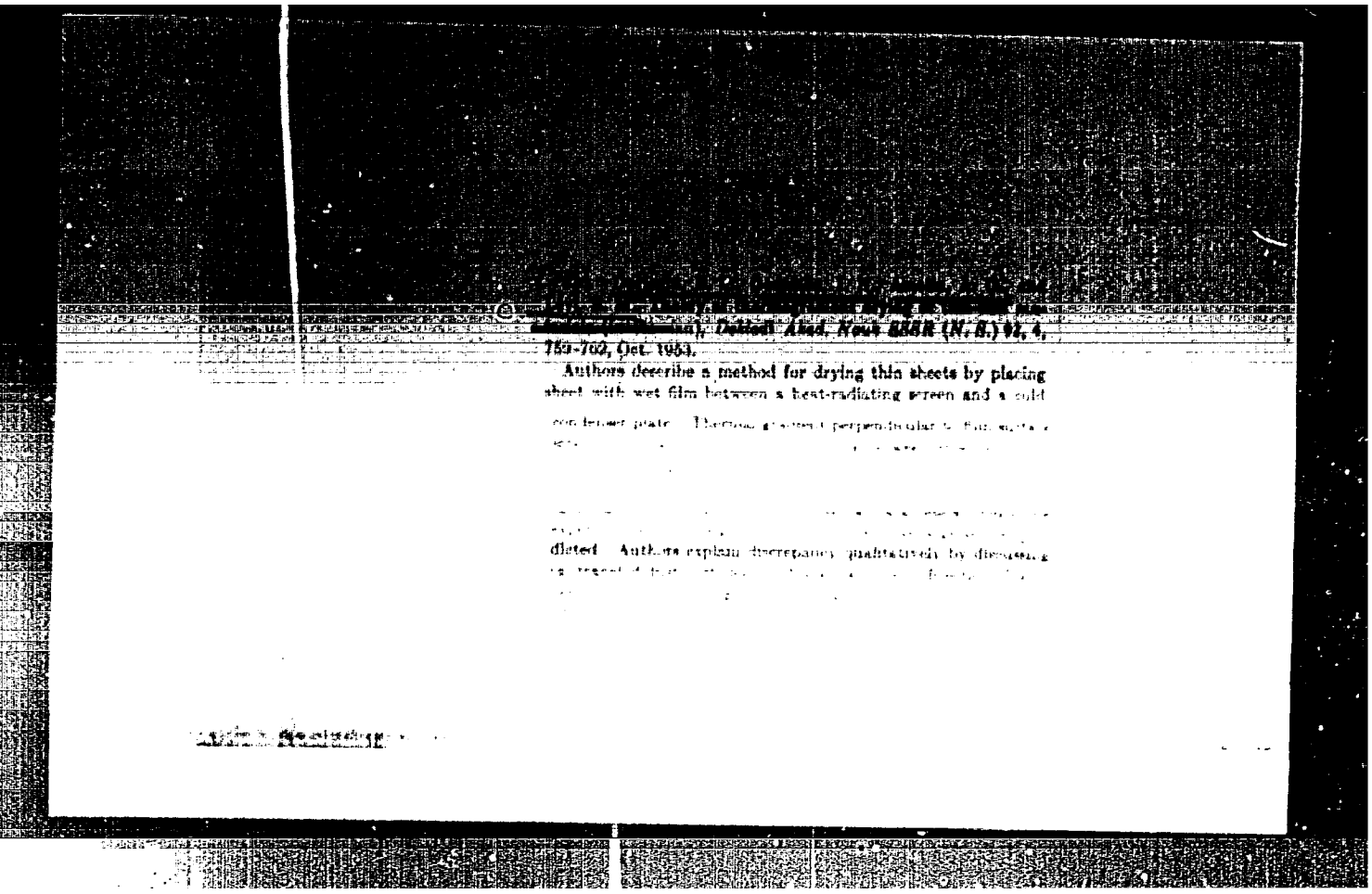
N. Thon

All-Union Sci-Res. Cine Photo Inst.



Temperature dependence of the viscosity of gelatin solutions. B. V. Deryagin and S. M. Levi. *Colloid J. U.S.S.R.* 15, 25-9 (1953) (Engl. translation). See *C.A.* 47, 4804e.

H. L. H.



Dokl. Akad. Nauk SSSR (N. S.) 92, 4,
753-702, Oct. 1953.

Authors describe a method for drying thin sheets by placing
sheet with wet film between a heat-radiating screen and a cold
dicted Authors explain discrepancy qualitatively by discussing

LEVI, S.M.

USSR/Chemical Technology - Chemical Products and Their Application. Photographic Materials, I-19

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63023

Author: Deryagin, B. V., Levi, S. M.

Institution: None

Title: Problems of Rheology in Production of Light-Sensitive Materials

Original Periodical: Izv. AN SSSR, Otd. Tekhn. n., 1955, No 9, 43-52

Abstract: Presented is the derivation of a theoretical equation of the deposition of a layer of plastic-viscous liquid on a flexible support. The equation determines the correlation between properties of the liquid (viscosity (η), limiting shear stress (θ), surface tension (σ), density (ρ), rate of travel of support (U) and angle of egress (α) of support from liquid) and amount of liquid (h) carried off by the support. In the case of deposition of a photographic emulsion on a celluloid base the equation is of the form:

Card 1/3

USSR/Chemica. Technology - Chemical Products and Their Application. Photographic Materials, I-19

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63023

Abstract: $$h_0 = \frac{0.94(U\eta)^{2/3}}{(1+\cos\alpha)^{1/2}(\rho g)^{1/2}\sigma^{1/6}} \times \left[1 - \frac{(0.93)^3}{3} ctg\frac{\alpha}{2}\left(\frac{U\eta}{\sigma}\right)^{1/3}\right] + \frac{4.58\,\theta^2}{(1+\cos\alpha)^{3/2}(\rho g)^{3/2}\sigma^{1/2}}$$

Presented are the results of experimental verification of the equation, on casting of the photographic emulsion, which show that by means of this equation it is possible to calculate with sufficient accuracy the thickness of the deposited emulsion layer. For measurement of η and θ use was made of a capillary viscosimeter by means of which determination was made of the time of outflow of the liquid at different excess of pressure, and η and θ were calculated according to the equation of Shvedov integrated for the instance of liquid outflow through a capillary. It is shown that this equation is applicable to photographic emulsions of different concentration of gelatin. Determined were the effects of temperature and concentration of the solutions, and also of surface active agents, on η and θ. There is proposed and substantiated a formula of change in specific viscosity of gelatin solution due to the action of the above-stated factors.

Card 2/3

USSR/Chemical Technology - Chemical Products and Their Application. Photographic Materials, I-19

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63023

Abstract: It has been ascertained that under the action of non-diffusing components of color development, which are surface active substances, on change in the viscosity by 10^3 times the coefficient an asymmetry of gelatin molecule, calculated according to the viscosity equation of Einstein and Simch, increases from 19 to 38. With the above stated increase of η the magnitude of θ changes very slightly.

Card 3/3

LEVI, S.M.

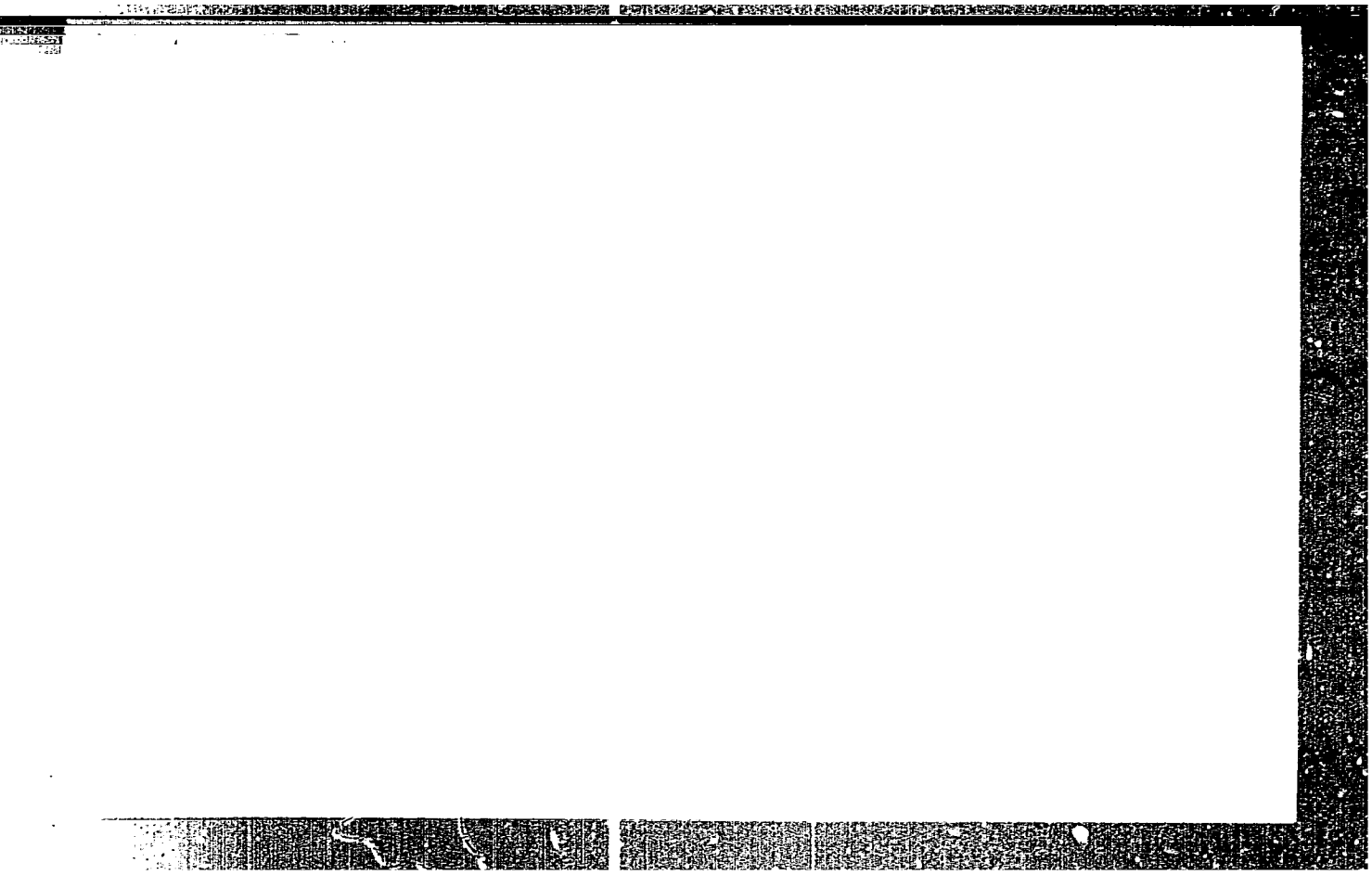
Shvedov's rule of flow in a visco-plastic medium. Koll.zhur.17 no.2:158-160 Mr-Ap '55. (MLRA 8:5)
(Rheology) (Colloids)

LEVI, S M

(1)

Problems of rheology in the manufacture of light-sensitive materials. B. V. Deryagin and S. M. Levi. *Trudy Akad. Nauk S.S.S.R., Otdel. Tekh. Nauk* 1955, No. 9, 43–52.—The rheologic properties of gelatin solns., during their spreading on the plastic film by passing the film over the soln. and leaving a coating on the film by entrainment, det. the thickness of the light-sensitive layer, and therefore also the photographic properties of the product. The paper is devoted to the derivation of an expression for the emulsion-layer thickness, based on the flow equation of a plastic-viscous medium $\tau = \theta + \eta\, dv/dx$, developed by Schwedoff-Bingham (Th. Schwedoff, *J. Phys.* 9 (1900); Bingham, *Fluidity and Plasticity*, 1922 (*C.A.* 16, 2447)), where τ is the shear stress, θ the limiting shear stress, and dv/dx is the velocity gradient. The gelatin concn., the temp., and the effects of surface-active addns. are taken into consideration. An application of the Sinha formula (*C.A.* 34, 1539) to the exptl. results has led to the conclusion that the gelatin has an elongated chain structure capable of being stretched, and that the dyes present nearly double the stretch.

W. M. Sternberg



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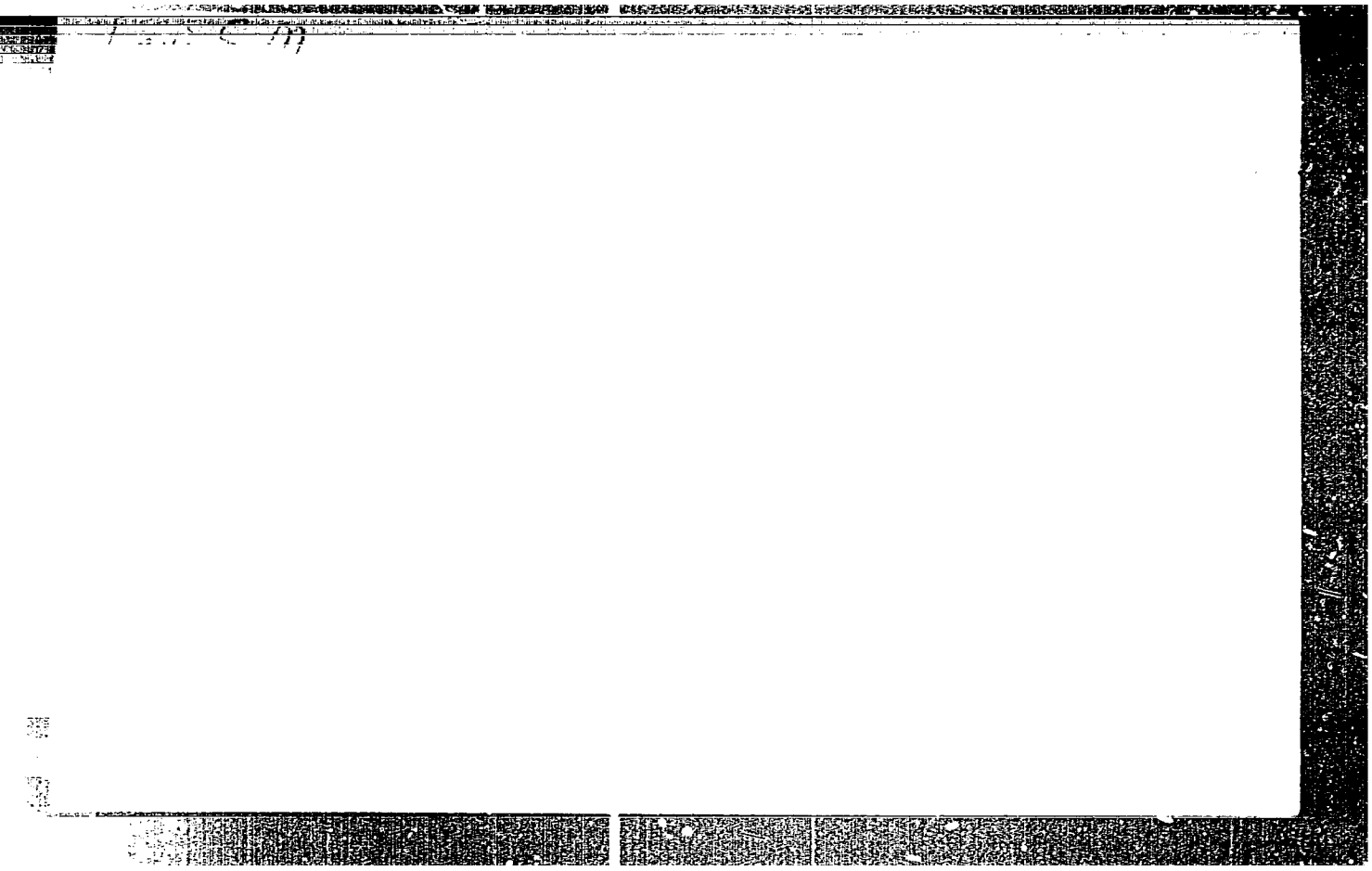

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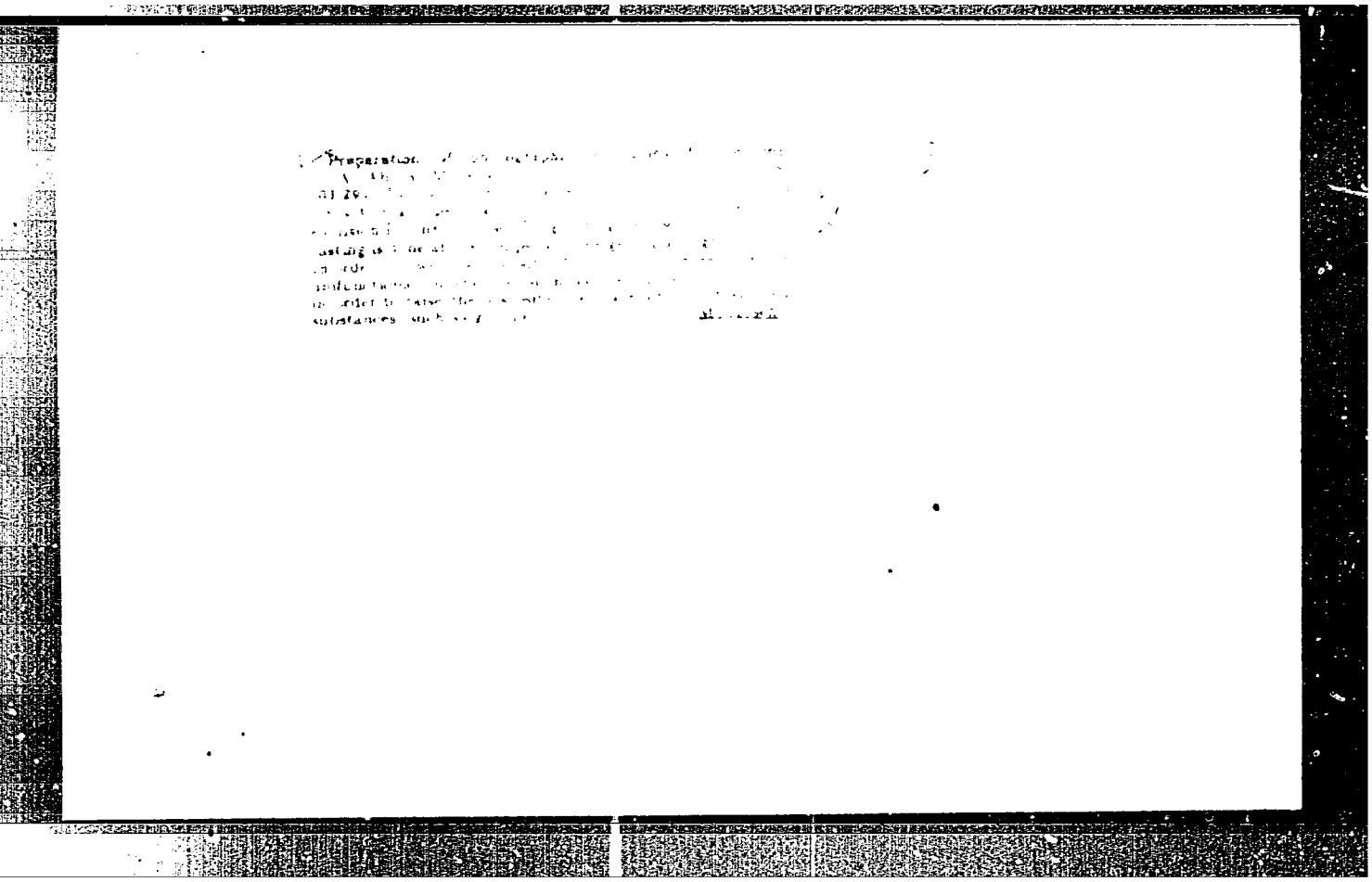

LEVI, S.M.

DERYAGIN, B.V.; LEVI, S.M.

Kinetic wetting in coating and a method of measuring it. Zhur. nauch.i prikl.fot.i kin. 1 no.5:354-358 S-O '56. (MLRA 9:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy kino-fotoinstitut.
(Photographic emulsions)

LEVI, S.M.

"Colloid science. Vol. 1. Irreversible systems translated from the English. G.R. Kruyt. Reviewed by S.M. Levi. Zhur.nauch.i prikl. fot.i kin. 1 no.5:398 S-O '56. (MLRA 9:11)
(Colloids) (Kruyt, G.R.)