LITVINOV, N. D.

LITVINOV, N. D. - "Isothermal Equilibrium of Vapor Liquid for Systems of Three Infinitely Miscible Liquids." Sub 14 Oct 52, Military Academy of Chemical Defense imeni K. Ye. Voroshilov. (Dissertation for the Degree of Doctorates in Chemical Sciences).

SO: Vechernaya Moskva January-December 1952

LITVINOV, N. D.

Chemistry, Physical and Theoretical

Isothermic vapor-liquid equilibrium in systems of three liquid miscible in unlimited proportions. Zhur.fiz.khim., 16, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

LITVINOV, N. D. Aug 52

USSR/Chemistry - Solutions

"The Isothermal Equilibrium, Liquid + Vapor, in Systems of Three Infinitely Miscible Liquids," N. D. Litvinov

Zhur Fiz Khim, Vol 26, No. 8, pp 1152-1158

On the basis of previously derived exptl data for 2 ternary systems, computations were made of the coeff of the eqs linking the partial vapor pressures of the constituents of the mixt with the latter's concn. The accuracy of the coeff was checked by special control expts. Complete diagrams were made of the isothermal equil bet vapor and liquid for two ternary systems: (1) chloroform + methylal + carbon disulfide, and (2) methylal + acetone + carbon disulfide.

263 T 10

LITVINOV, N. D.

2

① phys

Isothermal equilibrium of vapor and liquid in systems of three fully miscible liquids. N. D. Litvinov. *Zhur. Fiz. Khim.* 26, 1405–12(1932); cf. C.A. 47, 3041f.—L.'s method (*C.A.* 46, 10903f) was used to calc. the equil. diagrams of the systems CCl_4 + EtOH + C_6H_6 and MeOH + AcOMe + EtOAc from literature data. *Ibid.* 1561–8.—L.'s method of computation was successfully applied to the systems glycerol + MeOH + H_2O and glycerol + EtOH + H_2O; thus it is valid also when one of the components is not volatile.
J. J. Bikerman

8/30/54

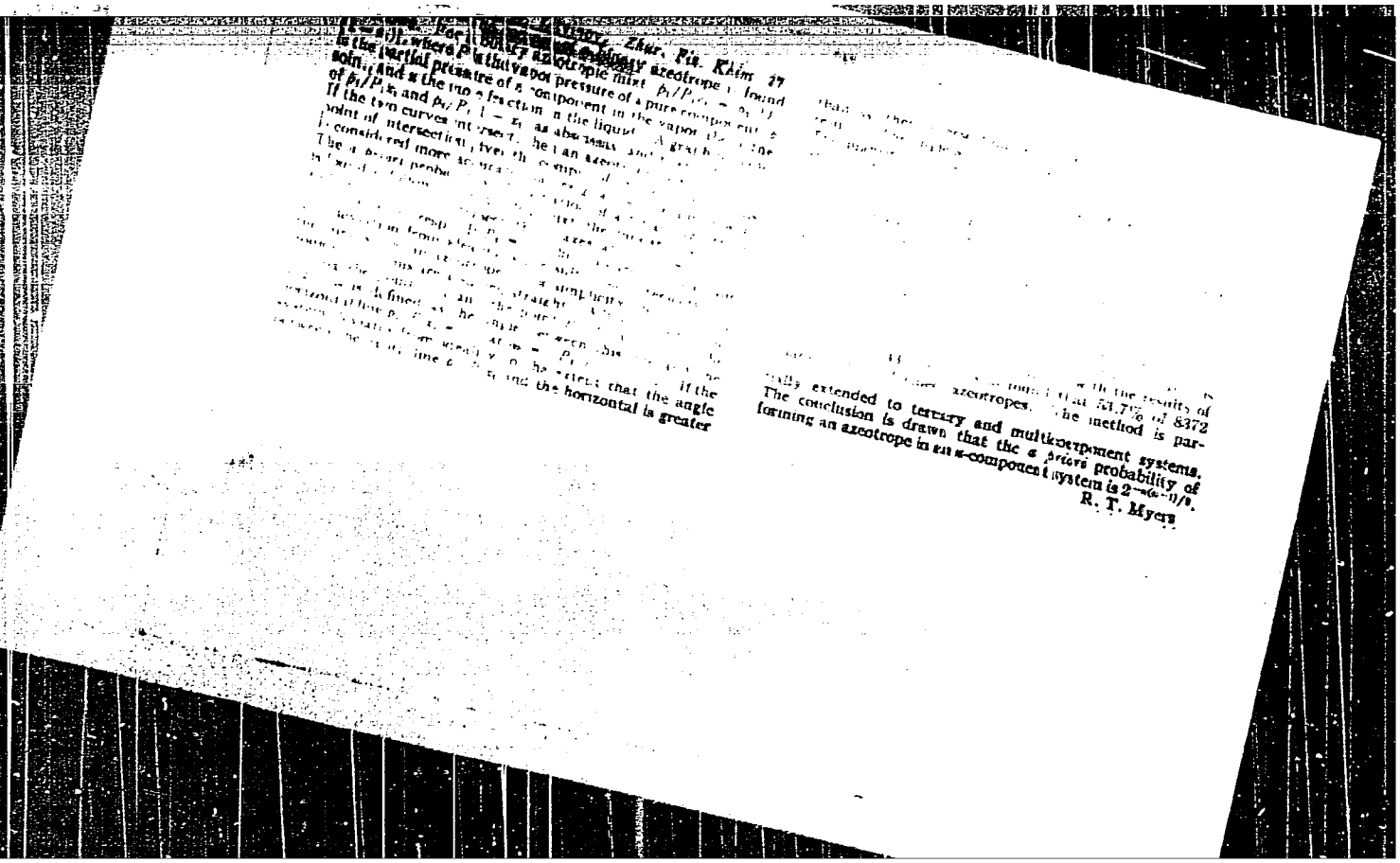
LITVINOV, N. D. IA 242T2

USSR/Chemistry - Changes of State Nov 52

"Isothermal Equilibrium of Vapor + Liquid in Systems Composed of Three Liquids, Mixing in Any Proportion," N. D. Litvinov.

"Zhur Fiz Khim" Vol 26, No 11, pp 1561-1568

The author reviews the work of K. A. Dulitskaya on ternary systems. He points out that the Margules eqs have not been applied to binary systems contg a non-volatile component, and proceeds to utilize the data of K. A. Dulitskaya to show that the presence of such a non-volatile component, in binary systems such as water and glycerol, alcohol and glycerol, and alcohol and water, is no obstacle to the calcn of Margules coeffs for all three of these binary systems. He also shows that the presence of a non-volatile component does not prohibit the calcn of the isothermic equil in a ternary system by the suggested method and that, in principle, the method can be applied even for ternary systems contg the non-volatile components. Using the exptl data of K. A. Dulitskaya, the author computed and plotted complete diagrams of isothermal equil for the following two ternary systems at 50°C: $C_2H_5(OH)3$, and $CH_3OH + H_2O + C_3H_5(OH)_3$. He declares himself satisfied that the method w[illegible] has been investigated is generally applicable t[illegible] triple systems. The necessary condition, he adds, is an unlimited miscibility of the components in a liquid state. 242T2



LITVINOV, N. D.

Systems (Chemistry)

Isothermal vapor-liquid equilibrium in systems of three liquids miscible in unlimited proportions. Isothermal fractional distillation and drying. Zhur. fiz. khim. 27, No. 1, 1953.

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

LITVINOV, N.D. (Moskva)

Additivity of the limiting molal volume. Zhur.fiz.khim. 35 no.8:1745-1749 Ag '61. (MIRA 14:8)
(Liquids) (Additivity)

STARODUBTSEV, Sergey Yakovlevich; LITVINOV, N.D., prof., red.;

[Short course on chemistry] Kratkii kurs khimii. Moskva, Mosk. energ. in-t, No.4. 1962. 108 p. (MIRA 16:9)
(Chemistry)

KOGAN, L.M.; KOL'TSOV, N.S.; LITVINOV, N.D.

Apparatus for determining the solubilities of chlorine and other gases in liquids. Zhur.fiz.khim. 37 no.8:1914-1917 Ag '63. (MIRA 16:9)

1. Nauchnyy institut po udobreniyam i insektofungisidam.
(Chlorine) (Gases) (Solubility)

KOGAN, L.M.; KOL'TSOV, N.S.; LITVINOV, N.D.

Solubility of chlorine and carbon dioxide in hexachlorobutadiene. Zhur.fiz.khim. 37 no.8:1875-1877 Ag '63. (MIRA 16:9)

1. Nauchnyy institut po udobreniyam i insektofungisidam.
(Chlorine) (Carbon dioxide) (Butadiene)

GUS'KOV, A.K.; LITVINOV, N.D.

Semiempirical method of calculation of the critical density and the critical temperature of individual substances. Zhur. fiz. khim. 38 no.12:3007-3008 D '64. (MIRA 18:2)

LITVINOV, N.F., (g.Groznyy)

Dimensionality in the sloution of chemical numerical problems.
Khim. v shkole 12 no.2:31-33 Mr-Ap '57. (MLRA 10:3)
(Chemistry--Problems, exercises, etc.)

LITVINOV, N.F.

Electrically illuminated visual aids in chemistry. Khim. v shkole 18 no.6:47-49 N-D '63. (MIRA 17:1)

1. Shkola-internat No.2, g. Groznyy.

LITVINOV, N.I.; KARNAUKHOVA, N.G.

Species of rats inhabiting seagoing ships in the port of Vladivostok. Izv. Irk.gos.protivochum. inst. 13:135-137 '54. (MIRA 10:12)
(VLADIVOSTOK--RATS) (SHIPS--DISINFECTION)

LITVINOV, N.I., master (Pridneprovsk)

Automation of the loading of Sh-5C mills using a three-pulse system. Energetik 13 no.6:8-9 Je '65. (MIRA 18:7)

BOLOTOV, I.N.; LITVINOV, N.I., aspirant; APENNIKOV, S.A., aspirant; LUKASHOV, A.I.; PROTASOV, N., aspirant; GOLOVANYUK, V.I., aspirant; GUBAYDULLIN, Kh.

Combine cultivation practices with the use of herbicides. Zemledelie 27 no.6:53-59 Je '65. (MIRA 18:9)

1. Luganskiy sel'skokhozyaystvennyy institut (for Bolotov, Litvinov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov (for Apennikov). 3. Donskaya opytnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta maslichnykh i efiromaslichnykh kul'tur (for Lukashov) 4. Belorusskaya sel'skokhozyaystvennaya akademiya (for Protasov). 5. Bashkirskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva (for Gubaydullin).

LITVINOV, N.I.

Characteristics of the fauna of terrestrial vertebrates on Ol'khon Island and the history of its formation. Trudy BGZ no.4:209-220 '62. (MIRA 17:9)

LITVINOV, N.I.

New data on the distribution of the Sayan mountain field mouse. Izv.Irk.gos.nauch.-issl.protivochum.inst. 19: 129-130 '58. (MIRA 13:7)
(Bol'shoy Onguren--Field mice)

LITVINOV, N.I.

A new subspecies of the vole Alticola argentatus Sev. (Mammalia, Muridae) from Ol'khon Island (Lake Baikal). Zool. zhur. 39 no.12:1888-1891 '60. (MIRA 14:1)

1. Irkutsk Agricultural Institute.
(Ol'khon Island--Field mice)

LITVINOV, N.N.

Determination of a finite set and the construction of a theory of numerical positive integers on its basis. Uch. zap. Velikoluk. gos. ped. inst. no.16:118-130 '61. (MIRA 16:7)

(Numbers, Theory of)

LITVINOV, N.N. (Velikiye Luki); ANTONOV, P.K. (Ul'yanovskaya oblast'); CHERNOV, V.M. (Magnitogorsk); PETROV, V.P. (Leningrad)

Terminology and concepts of elementary algebra. Mat. v shkole no. 5:59-65 S-O '63. (MIRA 16:11)

OSTROUSHKO, I.A.; LITVINOV, N.N., redaktor; SERGEYEVA, N.A., redaktor; MANINA, M.P., tekhnicheskiy redaktor

[The crumbling of rock in boring processes; the theory of mining] Razrushenie gornykh porod pri burenii; k teorii zaboinykh protsessov. Moskva, Gos. izd-vo geol. lit-ry, 1952. 252 p. [Microfilm]
(Boring) (MLRA 7:10)

LITVINOV, M.M.; ALEKSANDROV, L.A., redaktor; BARANOV, P.I., redaktor; LAKTIONOV, A.T., redaktor; BABINTSEV, N.I., redaktor.

[Internal combustion engines used in geological prospecting] Dvigateli vnutrennego sgoraniia primeniaemye na geologo-razvedochnykh rabotakh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1954. 382 p. (MLRA 7:8)
(Gas and oil engines) (Prospecting)

LITVINOV, N.N.

The new TSPN-30 suspended centrifugal pump for pumping out water while sinking shafts. Razved.i okh.nedr 22 no.12:26-28 D '56.
(MLRA 10:2)

1. TSentral'noye konstruktorskoye byuro Ministerstva geologii i okhrany nedr.

(Centrifugal pumps)

LITVINOV, M.M.

PO--47 mechanism for screwing and unscrewing drill pipes. Razved. i okh.nedr 23 no.8:50-52 Ag '57. (MIRA 10:11)

1. TSentral'noye konstruktorskoye byuro Ministerstva geologii i okhrany nedr.

(Boring machinery)

LITVINOV, N.N.

AUTHORS: Litvinov, N.N., Novozhilov, A.A., Kardysh, V.G. 132-58-3-14/15

TITLE: An Urgent Problem (Aktual'naya problema)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 3, p 62 (USSR)

ABSTRACT: The Central Construction Committee of the Ministry of Geology and Conservation of Mineral Resources of the USSR in collaboration with the Vsesoyuznyy institut tekhniki (All-Union Technical Institute), will elaborate projects for new equipment for drilling and prospecting enterprises. The organization appeals to various specialists of these branches to send their observations and requirements to ensure a successful solution of the problem.

ASSOCIATION: TsKB Ministerstva geologii i okhrany nedr SSSR (Central Construction Committee of the Ministry of Geology and of Conservation of Mineral Resources of the USSR)

AVAILABLE: Library of Congress

Card 1/1 1. Minerals-Conservation-USSR

LITVINOV, N.N.; IZRAILEVA, G.I., red.; DOMIN, N.S., red.; IVANOVA, A.G., tekhn.red.

[New prospecting equipment] Novoe gornorazvedochnoe oborudovanie. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1959. 29 p. (MIRA 13:6)
(Prospecting--Equipment and supplies)

14(5) SOV/132-59-7-7/17

AUTHORS: Litvinov, N.N., Kardysh, V.G., Kornev, A.M. and Volkov, A.S.

TITLE: On the Automation of Hoisting-Lowering Operation During Drilling

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 7, pp 25-30 (USSR)

ABSTRACT: The authors are dealing with the problem of automation and mechanization of all basic and auxiliary operations during the drilling of bore-holes. All these operations, made with ZIF-1200A, ZIF-650A, ZIF-300 and KAM-500 drilling rigs (Table 1), take about 50% of the working time according to data of the trest Artemuglegeologiya (Artemuglegeologiya Trust). A.N. Bakhchisaraytsev says that about 11.5% of the working time can be saved by an adequate distribution of duties among the members of a drilling brigade. As in the hoisting-lowering operations all basic operations follow each other, M.M. Andreyev proposes a scheme (Figure 1) in which some of these operations are executed simul-

Card 1/3

taneously. This will save 12 to 15% of the working time. It was also calculated that the reduction in half of the time needed for all hoisting-lowering operations could save about 250 million rubles from the general expenses foreseen for all drilling operations in the Soviet oil industry for 1960. Gipronefte-mash constructed the ASP-1, ASP-2 and ASP-3 aggregates which completely mechanize all basic hoisting-lifting operations. The use of the ASP-1 aggregate on the oil well Nr 1100 of the trest Tuymazaburneft' (the Tuymazaburneft' Trust) stepped up all these operations by 32.1%. The authors say that abroad, and particularly in the USA, the automation and mechanization of hosting-lowering operations is progressing slowly, though an American firm, Reich Brothers, produces equipment that mechanize some of the operations. The authors further propose different schemes of partial automation.

SOV/132-59-7-7/17

On the Automation of Hoisting-Lowering Operation During Drilling

There are 3 sets of diagrams and 1 table.

ASSOCIATION:TsKB

Card 3/3

ASHAVSKIY, A.M.; LITVINOV, N.N.

Using electronic modeling installations for calculating optimum parameters of a drilling process. Razved.i okh.nedr 26 no.5:22-26 My '60. (MIRA 13:7)

1. TSentral'noye konstruktorskoye byuro.
(Boring) (Electromechanical analogies)

ATYAKIN, A.K.; LITVINOV, N.N.; KARDYSH, V.G.; VOLOKITENKOV, A.A.

Classification and performance of feed mechanisms of drilling rigs. Razved. i okh. nedr 26 no.11:21-27 N '60. (MIRA 13:12)

1. TSentral'noye konstruktorskoye byuro.
(Boring machinery)

ANDRIANOV, Nikolay Ivanovich; BUBNOV, Yevgeniy Sergeyevich; GNEVUSHEV, Mikhail Andreyevich; IOANNESYAN, Rollen Arsen'yevich; LITVINOV, Nikolay Nikolayevich; MEYERSON, Yevgeniy Grigor'yevich; MINDLIN, Yakov Borisovich; ROMANTSEV, Yakov Antonovich; ALEKSIN, A.G., red.; KAESHKOVA, S.M., vedushchiy red.; POLOSINA, A.S., tekhn. red.

[Diamond drilling] Almaznoe burenie. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 170 p. (MIRA 14:9)
(Boring) (Diamonds, Industrial)

BOGDANOV, A.Sh.; ATYAKIN, A.K.; LITVINOV, N.N.

Extra-deep boring in the U.S.S.R. Razved.i okh.nedr 28 no.3:61-63 Mr '62. (MIRA 15:4)

1. Ministerstvo geologii i okhrany nedr SSSR (for Bogdanov).
2. TSentral'noye konstruktorskoye byuro Ministerstva geologii i okhrany nedr SSSR (for Atyakin, Litvinov).
(Boring)

BATURIN, Yu.I.; LACHINYAN, L.A.; LITVINOV, N.N.

Using high frequency currents for surface strengthening of drill pipes. Razved. i okh. nedr. 28 no.7:24-28 Jl '62. (MIRA 15:8)

1. TSentral'noye konstruktorskoye byuro Ministerstva geologii i okhrany nedr SSSR.

(Boring machinery)

ATYAKIN, A.K.; LITVINOV, N.N.; YAGODKIN, V.V.

Core barrels for obtaining cores with undisturbed formation conditions. Neft. khoz. 40 no.8:5-8 Ag '62. (MIRA 17:2)

ATYAKIN, A.K.; VOLOKITENKOV, A.A.; LITVINOV, N.N.; TOKAREVA, T.N., ved. red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Testing and drilling exploratory boreholes under complicated conditions] Oprobovanie i burenie razvedochnykh skvazhin v oslozhnennykh usloviiakh. Leningrad, Gostoptekhizdat, 1963. 189 p. (MIRA 17:2)

LITVINOV, N.N.; GRAF, L.E.; KOGAN, D.I.; MAZURENKO, V.V.

Annular drill bit. Gor. zhur. no.3:69 Mr '63. (MIRA 16:4)

LITVINOV, N.N.

[Internal combustion engines used in geological prospecting] Dvigateli vnutrennego sgoraniia, primeniaemye na geologorazvedochnykh rabotakh. Moskva, Izd-vo "Nedra," 1964. 402 p. (MIRA 17:5)

VOLOKITENKOV, A.A.; LITVINOV, N.N.; SHVETSOV, V.M.

Coring tools for drilling wells with local bottom circulation of mud. Biul.nauch.-tekh.inform VIMS no.1:66-70 '63. (MIRA 18:2)

1. TSentral'noye konstruktorskoye byuro Gosudarstvennogo geologicheskogo komiteta SSSR.

LITVINOV, Nikolay Nikolayevich, prof., red.; TROITSKIY, D.I., red.; KOKIN, N.M., tekhn. red.

[Health of man in the Far North; transactions of the Scientific Session of the Academy of Medical Sciences of the U.S.S.R. and the Ministry of Public Health of the R.S.F.S.R. in Murmansk from June 22 to 24, 1961] Zdorov'e cheloveka na Krainem Severe; trudy Nauchnoi sessii Akademii meditsinskikh nauk SSSR i Ministerstva zdravookhraneniia RSFSR v Murmanske 22-24 iiunia 1961 g. Pod red. N.N.Litvinova. Moskva, Medgiz, 1963. 222 p. (MIRA 16:12)

1. Akademiya meditsinskikh nauk SSSR, Moscow. 2. Chlen-korrespondent AMN SSSR (for Litvinov).
(RUSSIA, NORTHERN—ACCLIMATIZATION)
(RUSSIA, NORTHERN—MEDICAL GEOGRAPHY)

LITVINOV, Nikolay Nikolayevich; LANDAU-TYLKINA, S.P., red.; BUKOVSKAYA, N.A., tekhn. red.

[Radiation lesions of the skeletal system] Radiatsionnye porazheniia kostnoi sistemy. Moskva, Meditsina, 1964. 234 p. (MIRA 17:3)

*

KRAYEVSKIY, N.A.; LITVINOV, N.N.

Pretumorous changes in bony tissue in experimental conditions following the action of radioactive isotopes. Vop. onk. 9 no.1:25-36 '63. (MIRA 16:5)

1. Iz Akademii meditsinskich nauk SSSR.
(BONES—CANCER) (RADIOISOTOPES)

SITVINOV, N. N.

The mechanism of development of bone sarcomas as a result of treatment with radioactive substances

Latvian

mice [illegible] were injected [illegible] of Sr^{89} salt in 0.1 microcurie [illegible] sacrificed 1-200 days after injection. [illegible] tubular bones of white rats injected with Sr^{89} as mentioned above, there developed profound enzymatic changes of the life processes of the bone tissues which in many cases resulted in the formation of malignant growths. Such changes are expressed as progressive disturbances of the processes of bone formation (dysplasia) with the progressive rate of formation of immature atypical cells of the bone structure. Two to three months after the injection of the Sr^{89} disturbances in the process of osteogenesis go through a phase of formation of incomplete fibrous and unorganized structure followed by a process of formation of cellular elements. Changes occurring 1-5 months after Sr^{89} irradiation are described. At the end of the 5th and the beginning of the 6th month after Sr^{89} injection the growth of the atypical immature bone structure assumes the character of a tumor which fills in the zone [illegible] penetrates through the [illegible] of the bone

3216. LITVINOV N. N. Moscow *Bone tumours produced by radioactive substances (Russian text)* Bjull. Eksper. Biol. Med. 1956, 8 (62–65) Illus. 3

Radioactive strontium (Sr^{90}) was introduced into the peritoneal cavity of several hundred rats in the amounts of 0.1, 0.2, 0.4, 0.8, and 1.6 μc. per kg of body weight. Tumours developed in 70–80% of those which received 0.4 μc. per kg. The maximum number of tumours was observed 200–250 days after introduction of strontium and as a rule they were found in the metaphyses of the long bones. Often the tumours were growing in several bones of the same animal at the same time. Pulmonary metastases were common. Morphological changes were at their maximum in the region of the growth of the long bones where the fixation of radio active strontium was also maximal. Malignant growth was preceded by a slow process of distorted growth with a loss of normal ratio between bone absorption and bone production. Longitudinal growth of the bone was slowed down and distorted. Newly formed osteoid tissue did not undergo the usual changes. In the metaphysis a fibrocellular tissue was being produced around normal and pathological osteoid tissue. In this tissue polymorphous atypical osteogenic cells were found. They were undergoing rapid mitoses without producing bone matrix and they were spreading towards the epiphyseal plate through the whole of the metaphysis and through the marrow cavity towards the diaphysis. Through the disrupted compact bone of the metaphysis the newgrowth was spreading outside the bone in masses often of large dimensions. Histologically the tumours were complex and polymorphous but almost always included some fibrous tissue and cartilage-like cells.

Nevskaya – Moscow

LITVINOV, N.N.

EXCERPTA MEDICA Sec.5. Vol.10/2 Gen.Pathology Feb 57

500. LITVINOFF N.N. Moscow. *Morphological changes in the bones of rats in acute strontium intoxication (Russian text) ARKH. PATOL. 1956, 18/4 (81-88) Illus. 6

Fifty-seven 3-month-old male white rats were injected intra-peritoneally with 1.6 μc.of Sr^{90} in an aqueous solution per gram of body weight. Forty-two rats were sacrificed during the first 25 days following the injection (at the rate of 1 to 2 rats daily), 9 rats died between the 12th and 26th days with symptoms of acute radiation sickness, 4 rats died between the 39th and 108th days after overcoming the acute disease, and 2 rats were killed on the 31st and 46th days, respectively. Increased bone fragility was noted in all animals, especially after the third week following injection. Two rats developed pathological fractures of the femur. Only the femora and pelvic bones of the animals were studied microscopically. During the first 2 or 3 days after injection the endosteum became expanded by fibrous tissue containing numerous osteoclasts and there was increased resorption of bone; in zones of enchondral ossification bone formation was disturbed and resorption of cartilage delayed. During the period between the 4th and 12th days after injection the richly cellular osteogenic fibrous tissue became replaced by coarsely fibrillar connective tissue which filled the metaphyseal cavity and coated the endosteum in the diaphysis. The normal bone architecture became distorted due to osteolysis and regeneration of immature osseous tissue; the resorption of the epiphyseal cartilage and bone formation were disturbed, and finally ceased altogether. At the height of the radiation effects, i.e. 13-25 days after injection, there was complete cessation of all osteogenesis and the structure of the cortex in the metaphysis became strikingly altered due to bone resorption and quite irregular deposition of avascular osseous material; the number of osteoclasts and osteoblasts diminished abruptly. Rats which died or were sacrificed 39-108 days after injection showed, in addition to the aforementioned changes, evidence of atypical bone regeneration with deposition of osseous tissue devoid of any definite structure. These latter changes were regarded as indicative of a profound alteration of bone formation in animals which survived the acute phase of radiation effects.

Wilson - Dearborn, Mich.

LITVINOV, N. N.

4042
TUMOR OF THE BONE TISSUE INDUCED BY RADIO-ACTIVE SUBSTANCES. N. N. Litvinov. Bull. Exptl. Biol. Med. (U.S.S.R.) 41 793-796 1956 Aug

Distr: 4E3d

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LITVINOV, N.N.

4

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3419

VIII. CARCINOMATOGENIC EFFECTS OF RADIOACTIVE STRONTIUM [illegible] N. A. Krasnova and N. N. Litvinov

LITVINOV, N.N. (Moskva)

Morphological modifications of bone tissue in rabbits in chronic intoxication from radioactive strontium. Arkh. pat. 19 no.1:26-31 '57 (MLRA 10:4)

1. Nauchnyy rukovoditel' raboty-chlen-korrespondent AMN SSSR prof. N.A. Krayevskiy)
(BONES, effect of radiations,
radiostrontium, intraperitoneal prolonged admin. in dogs)
(STRONTIUM, radioactive,
eff. on bones, intraperitoneal prolonged admin. in dogs)

USSR / General Problems of Pathology. Tumors. Carcinogens. U-4

Abs Jur : Ref Zhur - Biol., No 17, 1958, No 80293

Author : Krayevskiy, N. A.; Litvinov, N. N.
Inst : Not given
Title : Study of the Development of Bone Tumors Which Appear in Animals Under the Influence of Radioactive Substances.

Orig Pub : V sb.: Konferentsii po med. radiol. eksperim. period. radiol., M., Medgiz, 1957, 197-201.

Abstract : 0.4 curies/g of Sr^{90} was introduced intraperitonally to rats (100). In 1-200 days, the animals were prepared. Starting impairment of osteogenesis was noted in 2-3 months. In 4 months, broad accumulations were noted of nondifferentiated osteogenic tissue; in 5 months, further perversion of osteogenesis, and only toward the end of the 5th and the beginning of the 6th months is the presence noted of tumorlike parts, which have rapidly increased in dimensions, filling the marrow cavity and spreading beyond the bone.

Card 1/1

LITVINOV, N. N.

KRAYEVSKIY, N. A., ZAKUTINSKIY, D. I., KURLYANDSKAYA, E. B., MOSKALEV, Y. I., STRETTSOVA, V. N., BURYKINA, L. N., LITVINOV, N. N. and SOLOV'YEV, Y. N.

"Long-Term Effects Produced by Small Doses of Radioactive Substances in Chronical Experiment."

paper to be presented at 2nd UN Intl. Conf. on the peaceful uses of Atomic Energy, Ganeva, 1 - 13 Sep 1958.

LITVINOV, N.N.

Morphological changes in the bone tissue of rats exposed to radioactive yttrium (Y^{91}) [with summary in English]. Med.rad. 3 no.1:41-50 Ja-F '58. (MIRA 11:4)

(YTTRIUM, radioactive,
eff. on bones in rats (Rus)
(BONE AND BONES, effect of radiations,
radioyttrium in rats (Rus)

LITVINOV, N.N., MAKARYCHEVA, R.I.

X-ray morphological study of the development of bone sarcoma in animals poisoned with radioactive strontium [with summary in English]. Vest.rent. i rad. 33 no.5:36-44 S-O '58 (MIRA 11:11)

L. Nauchnyy rukovoditel' raboty - chlen-korrespondent AMN SSSR prof. N.A. Krayevskiy.

(BONES AND BONES, neoplasms.
sarcoma induced by radiostrontium in rats (Rus))
(SARCOME, exper.
bone, induction by radiostronium in rats (Rus))
(STRONTIUM, radioactive
induction of bone sarcoma in rats (Rus))

LITVINOV, N.N.

21(4); 17.0) PHASE I BOOK EXPLOITATION SOV/2666

International Conference on the Peaceful Uses of Atomic Energy. 2d, Geneva, 1958

Doklady sovetskikh uchenykh; radiobiologiya i radiatsionnaya meditsina (Reports of Soviet Scientists; Radiobiology and Radiation Medicine) Moscow, Izd-vo Glav. upr. po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR, 1959. 439 p. 8,000 copies printed. (Series: Vtoraya Mezhdunarodnaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii. Trudy, tom 5)

General Ed.: A.V. Lebedinskiy, Corresponding Member, USSR Academy of Medical Sciences; Ed.: Z.S. Shirokova; Tech. Ed.: Ye.I. Mazel'.

PURPOSE: This book is intended for physicians, scientists, and engineers as well as for professors and students at vtuzes where radiobiology and radiation medicine are taught.

COVERAGE: This is Volume 5 of a 6-volume set of reports delivered by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held on September 1-13, 1958, in Geneva. Volume 5 contains

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32 reports edited by Candidates of Medical Sciences S.V. Levinskiy and V.V. Sedov. The reports cover problems of the biological effects of ionizing radiation, future consequences of radiation in small doses, genetic effects of radiation, treatment of radiation sickness, uses of radioactive isotopes in medical and biological research, uses of atomic energy for diagnostic and therapeutic purposes, soil absorption of uranium fission products, their intake by plants, and their storage in plants and foodstuffs. References accompany each report.

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BURYKINA, L.N.; ZAKUTINSKIY, D.I.; KRAYEVSKIY, N.A.; KURLYANDSKAYA, E.B.; LITVINOV, N.N.; MOSKALEV, Yu.I.; NOVIKOVA, A.P.; SOLOV'YEV, Yu. N.; STREL'TSOVA, V.N.

Late sequelae of lesions induced by radioactive substances in small doses applied in a chronic experiment. Med. rad. 4 no.3:3-6 Mr '59. (MIRA 12:7)
(ISOTOPES, effects,
remote seq. of inj. by small doses of radioactive substances in animals (Rus))

LITVINOV, N.N.

Morphological changes in bone tissue in acute and subacute plutonium sickness. Med. rad. 4 no.5:68-72 My '59. (MIRA 12:7)

(PLUTONIUM, eff.
on bone tissue, intraperitoneal admin. in rats (Rus))
(BONE AND BONES, eff. of radiations on
plutonium, after intraperitoneal admin. in rats (Rus))

LITVINOV, N.N. (Moskva, D-182, Shchukinskaya ul., d.35, kv.28)

Osteogenic sarcoma induced by strontium^{90} in dogs. Vop.onk. 5 no.6: 675-681 '59. (MIRA 12:12)

1. AMN SSSR, Moskva. Nauchnyy rukovoditel' raboty - chlen-korrespondent AMN SSSR prof. N.A. Krayevskiy.
(STRONTIUM, radioactive
induction of osteogenic sarcoma in dogs (Rus))
(NEOPLASMS, exper.
osteogenic sarcoma induced by radiostrontium in dogs (Rus))

LITVINOV, N.N. (Moskva)

Early skeletal changes in dogs following injury induced by radioactive strontium and yttrium. Arkh.pat. 21 no.5:12-19 '59. (MIRA 12:12)

1. Nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. N.A. Krayevskiy.

(BONE AND BONES, eff. of radiations,
radiostrontium & radioyttrium in dogs (Rus))
(YTTRIUM, radioactive,
eff. on bones in dogs (Rus))
(STRONTIUM, radioactive
same)

KRAYEVSKIY, N.A.; LITVINOV, N.N.

Blastomogenic effect of ionizing radiations. Arkh.pat. 21 no.8: 3-17 '59. (MIRA 13:12)
(RADIATION—PHYSIOLOGICAL EFFECT) (TUMORS)

LITVINOV, N.N.

Role of ionizing radiations in the development of tumors; current status of the problem and objectives for further investigation. Vop.onk. 6 no.2:3-9 F '60. (MIRA 14:2)
(RADIATION SICKNESS) (NEOPLASMS)

LITVINOV, N.N.

Some features of the course of bone fractures in injuries with strontium-90. Ortrop.travm.i protez. 21 no.4:25-31 Ap '60. (MIRA 13:9)

1. Nauchnyy rukovoditel' raboty - chlen-korrespondent AMN SSSR prof. N.A. Krayevskiy.

(FRACTURES) (STRONTIUM--ISOTOPES)

KRAYEVSKII, N.A.; LITVINOV, N.N.

Blastomogenic effect of ionizing radiations. Radiation tumors in animals. Arkh. pat. 22 no. 8:3-17 '60. (MIRA 14:1)
(TUMORS) (RADIATION—PHYSIOLOGICAL EFFECT)

LITVINOV, N. N.

Doc Med Sci - (diss) "Changes in the osteal system during affections caused by radioactive substances. (Experimental study)." Moscow, 1961. 29 pp; (Academy of Medical Sciences USSR); 250 copies; free; list of author's works on pp 28-29 (19 entries); (KL, 7-61 sup, 255)

KRAYEVSKIY, NA. and LITVINOV, N. N.

"The morphological changes of bone tissue preceeding the development of the sarcoma of the bone."

Report submitted to the International conference on Morphological Precursors of Cancer, Perugia, Italy, 26-30 Jun 1961

LITVINOV, N.N. (Moskva); KRAYEVSKIY, N.A., prof., nauchnyy rukovoditel' raboty

Late changes of the bone system of dogs in radioactive strontium-induced lesions. Arkh. pat. 24 no.11:23-28 '62. (MIRA 18:12)

1. Deystvitel'nyy chlen AMN SSSR (for Krayevskiy).

LITVINOV, N. N.

37522. Litvinov,N. N. struktura i formy deyatel'nosti sanitarnoepidemiologicheskikh stantsiy. v sb: xll vsesoyuz. s"yezd gigiyenistov, epidemiologov, mikrobiologov i infektsionistov. T. I. M., 1949, s 245-48

SO: Letopis' Ahurnal'nykh Statey Vol. 37, 1949

LITVINOV, N.N.

KOROVIN, F.T.; NIKOLAYEV, B.N.; PAVLOVSKIY, Ye.N., akademik, redaktor; SYSIN, A.N.; TIMAKOV, V.D.; PETRISHCHEVA, P.A.; LITVINOV, N.N., kandidat meditsinskikh nauk; BEN'YAMINSON, Ye.S., redaktor; ROTERMEL', R.P., tekhnicheskiy redaktor.

[Use of DDT and benzene hexachloride in the controlling carriers of contagious diseases] Primenenie DDT i geksakhlorana dlia bor'by s perenoschikami infektsionnykh boleznei. Pod.red. E.N. Pavlovskogo. Moskva, Izd-vo Akad.meditsinskikh nauk,SSSR, 1952. 41 p. (V. pomoshch' meditsinskim rabotnikam velikikh strcek kommunizma, no.7) [Microfilm] (MLRA 8:9)

1. Deystvitel'nyy chlen AMN SSSR (for Sysin and Timakov) 2. Chlen-korrespondent AMN SSSR (for Petrishcheva).
(DDT(Insecticide)) (Benzene hexachloride)
(Insects as carriers of disease)

LITVINOV, N.N., professor

Public health in U.S.S.R. Cas.lek.cesk. 91 no.15:445-451 11 Apr 52.

(PUBLIC HEALTH,
in Russia, national organiz.)

LITVINOV, N.N., professor

Sanitary antiepidemic service in U.S.S.R. Cas.lek.cesk. 91 no.16: 465-470 18 Apr 52. (MLRA 8:7)

(PUBLIC HEALTH,
in Russia, sanitary anti-epidemic serv. organiz.)

LITVINOV, N.N., professor

Sanitary anti-epidemic service in U.S.S.R. Cas.lek.cesk. 91 no.17: 498-501; contd. 25 Apr 52.

(PUBLIC HEALTH,
in Russia, sanitary anti-epidemic serv. organiz.)

LITVINOV, N., N., Prof.

Hygienic control of air. Cas. lek. cesk. 91 no.21:610-612 23 May 52.

(AIR POLLUTION, prevention and control,)

LITVINOV, N., N., Prof.

Problem of hygiene of water. Cas. lek. cesk. 91 no.22:641-642 30 May 52.

(WATER SUPPLY,
hyg. aspects.)

LITVINOV, N.N., prof.

Problem of hygienic and epidemiologic services at hydroelectric stations. Cas.lek.cesk. 91 no.33:945-947 15 Aug 52.
(PUBLIC HEALTH,
in Russia, hyg. & epidemiol. serv. in hydroelectric stations)

LITVINOV, N.N., prof.

Food hygiene. Cas.lek.cesk.91 no.35:993-996 29 Aug 52.

1. 18. prednaska z dekadniku prof. N.N.Litvinova.
(FOOD,
hyg. control)

LITVINOV, N.N., prof.

Industrial hygiene and occupational diseases. Cas.lek.cesk. 91 no. 36:1025-1029 5 Sept 52.

1. 19. prednaska z dekadniku prof. N.N.Litvinova.
(INDUSTRIAL HYGIENE)

LITVINOV, N.N., Prof.

Present problems in the field of epidemiology. Cas.lek.cesk. 91 no.51:1516-1520 19 Dec 52.
(EPIDEMIOLOGY,
in Russia)

LITVINOV, N., N., Prof.

Hygienic-antiepidemic protection of great constructions of communism. Cas. lek. cesk. 91 no.52:1540-1542 26 Dec 52.

(INDUSTRIAL HYGIENE, in Russia.)

LITVINOV, N., N., Prof.

Hygienic-antiepidemic protection of frontiers. Cas. lek. cesk. 91 no.52:1542-1544 26 Dec 52.

(PUBLIC HEALTH,
in Russia, border inspection.)

LITVINOV, N.N.

All-Union Scientific Conference on the Problems of Hygiene of Water and Air and on the Planning of Populated Places. Gig.i san. no.11:53-55 N '53.
(MLRA 6:10)
(Sanitation) (Hygiene)

LITVINOV, N.N., Prof.

Forty years of Soviet hygienic-antiepidemic services. Cesk. zdravot. 5 no.11:630-635 Nov 57.

1. Doktor lekarskych ved, reditel Vyzkumneho ustavu komunalni Hygieny v Moskve a vedouci katedry hygieny II. Moskevskeho lekarskeho institutu.
(COMMUNICABLE DISEASES, prevention and control, in Russia (Cz))
(HYGIENE, same)

LITVINOV, N.M., professor

Impressions from a trip to Bulgaria, October-November 1956. Gig. i san. 22 no.7:57-62 Jl '57. (MIRA 10:10)
(PUBLIC HEALTH,
in Bulgaria (Rus))

LITVINOV, N. N., DRACHEV, S. M.

"Basic Factors of Formation of the Quality of Water in Regulated Reservoirs and Hygienic Principles of their Sanitary Protection."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

LITVINOV, N.N., prof.

Basic trends of scientific research in the field of general and communal hygiene during 1959-65. Vest.AMN SSSR 14 no.8: 32-38 '59. (MIRA 12:11)

1. Institut obshchey i kommunal'noy gigiyeny imeni A.N.Sysina AMN SSSR.

(HYGIENE)

LITVINOV, N.N., prof.

Basic problems and trends of scientific studies on the hygiene of residential areas during 1959-1965. Gig.i san. 24 no.11:3-6 N '59. (MIRA 13:4)

1. Iz Instituta obshchey i kommunal'noy gigiyeny AMN SSSR.
(SANITATION)

LITVINOV, N.N., prof., red.; ZAIROV, K.S., kand. med. nauk, red.; CHAYKA, G.V., red.; TSAY, A.A., tekhn. red.

[Sanitary protection of the soil of inhabited areas in the republics of Central Asia]Sanitarnaia okhrana pochvy naselennykh mest v respublikakh Srednei Azii. Pod red. N.N.Litvinova i K.S.Zairova. Tashkent, Medgiz UzSSR, 1961. 255 p. (MIRA 15:7)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut obshchey i kommunal'noy gigiyeny. 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Litvinov).

(SOVIET CENTRAL ASIA--SOIL POLLUTION)
(SOVIET CENTRAL ASIA--SEWAGE DISPOSAL)

LITVINOV, N.N., prof., red.; IZMEROV, N.F., red.;POGOSKINA, M.V., tekhn. red.

[Transactions of the Scientific Conference on Problems in Reservoir Hygiene] Trudy nauchnoy konferentsii po voprosam gigieny vodokhranilishch. Pod red. N.N.Litvinova, Moskva, Medgiz, 1961. 257 p. (MIRA 14:12)

1. Nauchnaya konferentsiya po voprosam gigiyeny vodokhranilishch, 1958.
(Reservoirs—Congresses) (Water—Pollution)

LITVINOV, N.N., prof., red.; IZMEROV, N.F., red.; POGOSKINA, M.V., tekhn. red.

[Hygiene of reservoirs; transactions] Gigiena vodokhranilishch; trudy. Pod red. N.N.Litvinova. Moskva, Medgiz, 1961. 257 p. (MIRA 15:7)

1. Nauchnaya konferentsiya po voprosam gigiyeny vodokhranilishch, 1958.

(Reservoirs) (Water supply--Hygienic aspects)

LITVINOV, N.N.

Problems of hygiene in the protection and sanitation of the external environment in connection with the development of the chemical industry in the USSR (extended theses). Vest. AMN SSSR 16 no.10:57-61 '61. (MIRA 14:11)

(CHEMICAL INDUSTRIES--HYGIENIC ASPECTS)

LITVINOV, N.N., prof., red.; RYABOV, V.N., kand. med. nauk, red.; KHLEBNIKOV, N.I., prof., red.; KHAMIDULLIN, R.S., red.; CHULKOV, I.F., tekhn.red.

[Hygiene of irrigated agricultural fields; experimental hygienic research]Gigiena zemledel'cheskikh polei orosheniia; eksperimental'nye gigienicheskie issledovaniia. Moskva, Medgiz, 1962. 299 p. (MIRA 16:1)
(SEWAGE—BACTERIOLOGY) (SEWAGE IRRIGATION)
(PUBLIC HEALTH RESEARCH)

GOROMOSOV, M.S., red.; GROMBAKH, S.M., red.; ZHDANOV, V.M., red.; POKROVSKIY, A.A., red.; KROTKOV, F.G., red.; LETAVET, A.A., red.; LITVINOV, N.N., red.; RYAZANOV, V.A., red.; URAZAYEV, N.M., red.; CHERKINSKIY, S.N., red.; KHAMIDULLIN, R.S., red.

[Transactions of the 14th All-Union Congress of Hygienists and Public Health Physicians] Trudy Vsesoiuznogo z"ezda gigienistov i sanitarnykh vrachei, 14. Moskva, Medgiz, 1963. 322 p. (MIRA 18:2)

1. Vsesoyuznyy s"yezd gigiyenistov i sanitarnykh vrachey. 14th. 2. Glavnyy uchenyy sekretar' AMN SSSR (for Zhdanov).

PERELATOV, V.D.; URAZAYEV, N.M., red.; AKULOV, A.N., red.; VATRIN, P.M., red.; D'YACHKOVA, N.G., red.; KASPAROV, A.A., red.; LITVINOV, N.N., red.

[Work experience of the Rostov Public Health Station in rural areas under the conditions of enlarged districts] Opyt raboty Rostovskoi sanepidstantsii na sele v usloviiakh ukrupnennykh raionov. Moskva, Meditsina, 1964. 9 p. (MIRA 18:7)

L 15086-65 EWG(j)/EWT(m)
AM2046725 BOOK EXPLOITATION S/

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Livtinov, Nikolay Nikolayevich

Radiation diseases of the skeletal system (Radiatsionnyye porazheniya kostnoy sistemy) Moscow, Izd-vo "Meditsina", 1964. 234 p. illus., biblio. 2000 copies printed. Editor: S. P. Landau-Tylkina; Technical editor: N. A. Bukovskaya; Proofreader: T. A. L'vova

TOPIC TAGS: bone tissue, bone tumor, radiation pathology, radiation sickness, skeletal disease

PURPOSE AND COVERAGE: The present book represents a first attempt to generalize data concerning the radiation pathology of bone from positions of pathology first of all, but with the addition of necessary information from other branches of science. Skeletal disease caused by both external and internal irradiation is analyzed, but basic attention is paid to changes in bone tissue caused by radioisotopes.

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LITVINOV, N.N. (Przheval'sk)

Problems on the subject of "Rational numbers" to incite penetration and reasoning. Mat. v shkole no.2:71-72 Mr-Ap '61. (MIRA 14:4)

(Mathematics—Problems, exercises, etc.)

LITVINOV, N.N. (Przheval'sk)

Problems on quick thinking and reasoning based on the arithmetics of fractions. Mat.v shkole no.1:61-62 Ja-F '60. (MIRA 13:5)
(Fractions--Problems, exercises, etc.)

MEL'NIKOV, V. V.; LITVINOV, N. N.; PARFENOV, Yu. D.

Some new data relative to the blastomogenic action of Sr^{90}.
Vop. onk. 8 no.7:10-14 '62. (MIRA 15:7)

1. AMN SSSR (rukoviteli raboty - deystv. chl. AMN SSSR, prof. N. A. Krayevskiy, prof. D. I. Zakutinskiy)

(STRONTIUM—ISOTOPES) (CARCINOGENS)

LOBASHOV, K.A.; ALANOVA, T.G.; SOKOLOV, V.P.; KAZAMATKIN, Ye.P.; LITVINOV, N.R.; MEYMAN, S.B.; GORBYLEVA, N.V.

New methods for the deactivation of waste slurries from organic synthesis industries. Zhur. VKHO 6 no.2:173-180 '61. (MIRA 14:3)

(Sewage disposal) (Chemistry, Organic—Synthesis)

SOV/124-57-3-3761

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 159 (USSR)

AUTHOR: Litvinov, N. S.

TITLE: On the Problem of the Unification of the Mechanical Characteristics of Construction Materials and on Methods of Their Evaluation (K voprosu ob unifikatsii mekhanicheskikh kharakteristik stroitel'nykh materialov i metodov ikh opredeleniya)

PERIODICAL: Tr. Kuybyshevsk. inzh.-stroit. in-t, 1956, Nr 3, pp 209-223

ABSTRACT: On the strength of certain general laws governing the behavior of construction materials under conditions of protracted loading beyond their ultimate strength, as well as on their strain-versus-time characteristics, the author proposes the adoption of a so-called long-term stress-rupture limit. It is suggested that the evaluation of this limit be accomplished by means of accelerated indirect techniques. In order to substantiate and verify the basic postulates advanced by the author, protracted tests were carried out on high-strength steel wire and concrete. Some of the results achieved are presented, together with a brief outline of conclusions based on the results of the experiments.

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V. F. Derkach

LITVINOV, N.S.; NIKITINA, Ye.L.; GROKHOL'SKAYA, S.D.

Determination of the color index of drinking water with the FEK-N-57 apparatus. Gig. i san. 28 no.6:54-55 Je'63 (MIRA 17:4)

1. Iz laboratorii desnyanskogo vodoprovoda Kiyeva.

LITVINOV, N.S., inzh.; NIKITINA, Ye.L., inzhener-khimik;
GROKHOL'SKAYA, S.D., laborant

Method of determining the turbidity of water by means of the FEK-N-57 apparatus. Gig. i san. 28 no.7:48-49 Jl. '63.
(MIRA 17:1)

1. Iz sanitarno-bakteriologicheskoy laboratorii desnyanskogo vodoprovoda Kiyeva.