

BALABANOV, V.I.; KOVALEVSKIY, A.L.

Uranium prospecting from airplanes in forest regions. Atom. energ.

15 n o.5:432-434 N '63.

(MIRA 16:12)

KOVALEVSKIY, A.L.

Radium absorption by various plant species. Izv. SO AN SSSR no.4.
Ser. biol.-med.nauk no.1:43-47 '65.

(MIRA 18:8)

I. Tomskiy gosudarstvennyy universitet.

KOVALEVSKIY, A.L.

Results of radiogeochemical studies of oil and gas deposits in
the West Siberian Plain. Trudy SNIIGGIMS no. 30:111-118 '64
(MIRA 19:1)

KOVALEVSKIY, A.L.

Some problems concerning the theory and practice of biogeochemical prospecting for deposits. Geol. i geofiz. no.6:68-77 '63.

(MIRA 19:1)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya, Novosibirsk. Submitted July 29, 1961.

AUTHOR: Kovalevskiy, A.M.

SOV/122-58-8-1/29

TITLE: A New Method for Increasing the Load Capacity of Rolling Bearings and Reducing the Specific Allocation of Metal (Novyy sposob povysheniya rabotosposobnosti podshipnikov kacheniya i smizheniya udel'nogo raskhoda metalla)

PERIODICAL: Vestnik mashinostroyeniya, 1958, Nr 8, pp 3 - 9 (USSR)

ABSTRACT: On the basis of an extensive test programme carried out at the IGPZ (First National Bearing Factory) in Moscow in conjunction with the TsNIITMASH (Central Research Institutes of Mechanical Engineering) and of ENIIPP (Bearing Industry), new proposals to increase the capacity of rolling bearings have been evolved by the author. The substance of the new method of increasing the load capacity and/or the service life of bearings without increasing their size or weight consists of changing the curvature surface in the loaded region. The curvature is so modified that the load is transmitted in a desired manner through all the rolling bodies situated in the zone of loading. The method is applicable only in bearings with a preferred direction of load (or where the angular range of the change of load direction does not exceed 90°). Investigations have shown that even the elimination of the radial clearance and the

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shaping of the bearing housing in accordance with the deflected form of the outer race neither produces the best load distribution nor allows the maximum load capacity. These are ensured only by achieving a law of load distribution by which: 1) the central (ball or) roller carries a load equal to 3.58 times the total load divided by the number of rollers in the bearing; 2) the other rollers carry a load equal to that on the central roller times the square root of the cosine of their positional angle. Increases in service lives of rolling bearings claimed for bearing assemblies, designed and made to the new specification, include ball bearings, whose service life is determined by the inner race. Their service life increased by a factor of 1.55 and their static load capacity by a factor of 1.6. Spherical bearings, where the outer race is the weakest link, have a service life increase by a factor of 3 or more. Much larger factors are obtained in bearings normally loaded mainly through a single roller. The equations of the required shape are different for point contact and line contact bearings. Both

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equations have been derived by analysis. In practice, most of the improvement can be obtained simply by shifting the centre of the bearing support a certain distance and machining one side of the bore with a radius, which is smaller than the outside radius of the outer race. Working formulae for the proposed shift (Eq.(8)) and the proposed radius (9) have been given. A further refinement suggested is the finish lapping of the bore by means of a special roller bearing, without outer race. Laboratory experiments on 60 samples of bearings have yielded increases of service life by factors between 1.8 and 2.7 and a typical increase of static load capacity from 25 tons to 43 tons. The scatter in service life tests has been reduced. It is claimed that, for the same overhaul periods, the bearings in railway axle boxes can be about 1/2 cheaper

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when making use of the new form of bearing housing.
Rolling-mill bearings in accordance with new systems
are now being installed at the "Serp i Molot" Works in
Moscow.
There are 8 figures and 1 Soviet reference.

Card 4/4 1. Roller bearings--Performance 2. Roller bearings--Design
3. Mathematics

KOVALEVSKIY, A.M., inzhener.

Preventing damage to rivets of massive cages. Podshipnik no.5:1-6 My '53.
(MLRA 6:5)
(Bearings (Machinery))

KOVALEVSKIY, A.M., inzhener.

A mistake in the installation of roller bearings in railroad axle boxes.
Podshipnik no.7:6-8 J1 '53. (MLRA 6:8)
(Roller bearings) (Car axles)

KOVALEVSKIY, A.M., kand. tekhn. nauk

Improving the performance of antifriction bearings and reducing
the unit weight of metal used. Vest. mash. 38 no. 8:3-9 Ag '58.
(MIRA 11:8)

(Bearings(Machinery))

KOVALEVSKIY, A.M., kand. tekhn. nauk

New system of operation and production planning. Vest.
mashinostr. 43 no.12:67-75 D '63. (MIRA 17:8)

TSVETKOV, V.P., starshiy prepodavatel'; KOVALEVSKIY, A.N., starshiy
laborant; KRAVTSOVA, N.F., assistant.

Some applications of differential filters in X-ray
structural analysis. Dop.ta pov.L'viv.un. no.3 pt.2:43-44
'52. (MLRA 9:11)

(X-ray crystallography)

S/564/57/000/000/027/029
D258/D307

AUTHOR: Kovalevskiy, A. N.

TITLE: A precision method for the determination of saturation temperatures in transparent solutions

SOURCE: Rost kristallov; doklady na Pervom soveshchanii po rostu kristallov, 1956 g. Moscow, Izd-vo AN SSSR, 1957, 337-340

TEXT: The method is based on the fact that a crystal out of equilibrium with the melt or solution is surrounded by a layer in which the concentration gradient is not equal to zero. The temperature at which the inhomogeneous layer disappears (saturation) is measured with an accuracy which is only limited by the accuracy of the thermometer or thermocouple or of the optical device. A suitable optical device (Fig. 1) consists of a point light source S placed at the focus of an objective O_1 , which in turn is placed coaxially with another objective O_2 , so that

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A precision method...

the image of S falls on a screen (S'). A shadowing device is then introduced to cover S', so that the only light which now falls on screen E is due to an inhomogeneity such as A (e.g., the layer around a growing or dissolving crystal) placed between O_1 and O_2 . Saturation is thus detected by disappearance of the image A', and supersaturated and unsaturated solutions may be distinguished by the opposite sign of the concentration gradient in the inhomogeneous layer. Saturation temperature may thus be determined. This method is rapid. There are 5

determined to $< 0.05\%$. The method is rapid. ~~...~~
figures.

Card 2/3

KOVALYEVSKIY, A. O.

Izbrannye Raboty (Selected Works on Human and Animal Parasites), 676 p., Leningrad,
1951.

KOVALEVSKIY, Andrey Petrovich, doktor istoricheskikh nauk, professor;
SHRAMKO, B.A., kandidat istoricheskikh nauk, dotsent, otvetstvennyy
redaktor; LIMANOVA, M.I., tekhnicheskiiy redaktor

[The book of Akhmed Ibn-Fadlan about his travels on the Volga in
921 and 922; articles, translations and commentaries] Kniga Akhmeda
Ibn-Fadlana o ego puteshestvii na Volgu v 921-922 gg.; stat'i,
perevody i kommentarii. Khar'kov, Izd-vo Khar'kovskogo gos. univ.
im. A.M.Gor'kogo, 1956. 345 p. (MIRA 10:2)
(Ibn Fadlan, Ahmad, fl.922)
(Volga Valley--Description and travel)

KOVALEVSKIY, A.P., inzh.

Auxiliary equipment. Elek.sta. 28 no.12:85 D '57. (MIRA 12:3)
(Boilers--Equipment and supplies)

KOVALEVSKIY, A.P., inzh.

Repair of the heat balloons of controllers in thermal networks.
Energetik 11 no.8:20 Ag '63. (MIRA 16:10)

KOVALSVSKIY, A.S.

Improving the organization of laboratory and practical work in
mechanics for the first course at the physicomathematical faculty
of teachers' institutes, Uch. zap. IAK, un. no.1:167-185 '57.
(Mechanics--Study and teaching) (MIRA 11:3)
(Teachers, Training of)

AUTHOR: Kovalevskiy, A.P., Engineer 91-58-5-11/35

TITLE: Device for Stretching Brass Pipes (Prisposobleniye dlya protyazhki latunnykh trubok)

PERIODICAL: Energetik, 1958, Nr 5, p 15 (USSR)

ABSTRACT: The use of a bridge crane is proposed to stretch brass pipes. The lifting cable of the crane, after being passed around a ring to allow horizontal stretching, is connected with the brass pipe. When the electric motor of the crane is switched on, the pipe is stretched. This device may be used for all pipe lengths, whereas the device published in Ratsionalizatorskiye Predlozheniya, Nr 94, 1956, is constructed only for pipes of a certain length. There is 1 figure.

AVAILABLE: Library of Congress

Card 1/1 1. Pipes - Stretching - Device

AUTHOR: Kovalevskiy, A.P., Engineer SOV-91-58-10-14/35

TITLE: A Device for Removing the Covers of the Water-Chambers of Condensers (Ustroystvo dlya snyatiya kryshek vodyanykh kamer kondensatorov)

PERIODICAL: Energetik, 1958, Nr 10, p 16 (USSR)

ABSTRACT: The author says that at his station it is often necessary to resort to the mechanical cleaning of the pipes of the condensers. Up until recently the removal of the condenser covers had required the use of an overhead crane in the machine room. N.K. Stefanovich, foreman of a turbine works, has submitted a simple device for this purpose (Figure 1), which dispenses with the use of a crane-driver. There is one diagram.

1. Steam condensers--Equipment

Card 1/1

KOVALEVSKIY, A. S.

Kovalevskiy, A. S.

"Experimental problems on mechanics for the first course at the physicomathematical faculty of a pedagogical institute." Min Education RSFSR. Leningrad State Pedagogical Inst imeni A. I. Gertsen. Chair of General Physics. Leningrad, 1956. (Dissertation For the Degree of Candidate in Pedagogical Science).

Knizhnaya letopis'
No 34, 1956. Moscow.

KOVALEVSKIY, B.

GOKHMAN, V.; KOVALEVSKIY, B.

"What we saw in the U.S.A. and Canada" by V. Matskevich. Reviewed
by V. Gokhman, B. Kovalevskii. Geog. v shkole 20 no.2:74-76 Mr-Apr
'57. (MLRA 10:4)
(United States--Agriculture) (Matskevich, V.)

KOVALEVSKIY, Boris Pavlovich[Kovalevs'kyi, B.P.]; CHIGIRIK, V.V.
[Chyhyryk, V.V.], red.; KOPITKOVA, N.K.[Kopytkova, N.K.],
tekhn. red.

[Powerful weapon in the building of communism; the consolidation of the alliance of the laboring class and the collective-farm peasantry in the period of the large-scaled building of communism]Mohutnia syla pobudovy komunizmu; zmitsennia soiuзу robitnychoho klasu i kolhospnoho selianstva v period razhor-nutoho komunistychnoho budivnytstva. Kyiv, Derzhpolitvydav URSR, 1962. 193 p.

(MIRA 15:11)

(Agricultural administration) (Collective farms)

Card 1/1

UDC: 621.791.36:621.385.002.2

VARLAMOV, Aleksey Nikolayevich, inzh.; KOVALEVSKIY, Dominik Fomich,
inzh.; BAZHORA, Filipp Vladimirovich, inzh.; LYTKINA, L.S.,
red.; GOL'BERG, T.M., tekhn. red.

[Preparing complete prestressed concrete trusses on the
construction site] Izgotovlenie tsel'nykh zhelezobetonnykh
predvaritel'no nspriashennykh ferm na stroitel'noi ploshchad-
ke; opyt Glavmosoblastroia. Moskva, Gos. izd-vo lit-ry po
stroit., arkhit.i stroit. materialam, 1960. 28 p.
(MIRA 14:5)

(Trusses)

(Prestressed concrete)

CHERNYSHEV, M.A., kand. tekhn. nauk; SHAKHUNYANTS, G.M., prof., doktor tekhn. nauk; KOVALEVSKIY, D.V., inzh.; POTOTSKIY, G.I., inzh.; PROKOF'YEV, P.F., inzh.; GOLOVANOV, A.L., red.; KANDYKIN, A.Ye., tekhn. red.

[Progressive technology of railroad track work] Peredovaya tekhnologiya putevykh robot. Moskva, Gos.transp.zhel-dor.izd-vo, 1951. 106 p. (MIRA 12:3)

1. Glavnyy inzhener Glavnogo upravleniya putevogo khozyaystva Ministerstva putey soobshcheniya (for Chernyshev). (Railroads--Track)

KOVALEVSKIY, D.V., inzh. (Leningrad)

"Directive for straightening railroad track on swelling
soils." Reviewed by D.V. Kovalevskii. Zhel. dor. transp. 41
5:95-96 My '59. (MIRA 12:7)

(Railroads--Track)

KOVALEVSKIY, F., buril'shchik.

Rightful request of borers. Bezop. truda v prom. 1 no.1:36 Ja '57.
(MLRA 10:4)

1. Shakhta "Novo-Klyuchevskaya" Pyshminskogo rudoupravleniya.
(Boring machinery)

KOVALEVSKIY, F.Ya., polkovnik; CHERNOV, P.I., podpolkovnik

This practice is beneficial. Vest. protivovozd. ober, no.11:
72-73 N '61. (MIRA 16:10)

(Russia--Army--Education, Nonmilitary)

BUTENIN, N.V.; KOVALEVSKIY, G.G.

Vibrations of a gyroscopic instrument dependent on dynamic
unbalance. Vop. prikl. gir. no.2:25-27 '60. (MIRA 15:4)
(Gyroscopic instruments--Vibrations)

KOVALEVSKIY, G. L.:

KOVALEVSKIY, G. L.: "Investigation of the parameters of the rotor elements of invisible-pole synchronous machinery". Moscow, 1955. Min Higher Education USSR. Moscow Order of Lenin Power Engineering Institute V.M. Molotov. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis' No. 44, 29 October 1955. Moscow.

TUYEZOV, I.K.; KOVALEVSKIY, G.L.

Geology of the second structural stage in the Ishim-Irtysh interfluve
in the light of geophysical data. Geol. i geofiz. no.4:88-95 '61.

(MIRA 14:5)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki
i mineral'nogo syr'ya, Novosibirsk.
(Irtysh Valley--Geology) . (Ishim Valley--Geology)

KOVALEVSKIY, G.L.

Development of dislocations and their role in the history
of the development of local uplifts in the West Siberian
Plateau. Geol. i geofiz. no.10:65-79 '65.

1. Novosibirskiy geofizicheskiy trest. Submitted February
16, 1965. (MIRA 18:12)

KOVALEVSKIY, G.L.; BEN'KO, Ye.I.

The technique of detecting zones marked by the tapering out of lower Mesozoic deposits as possible petroleum and gas traps (exemplified by the Bol'sherech'ye area in the West Siberian Lowland). Geol. i geofiz. no.9:22-29 '61. (MIRA 14:11)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya, Novosibirsk.
(Petroleum geology) (Bol'sherech'ye region--Seismic prospecting)

KOVALEVSKIY, G.L.

Methods of shifting shot points for the study of faulting.
Geol. i geofiz. no.12:108-110 '64. (MIRA 18:6)

1. Novosibirskiy geofizicheskiy trest.

KOVALEVSKIY, Georgiy Nikolayevich

KOVALEVSKIY, Georgiy Nikolayevich; FADDEYEV, Yu.N., red.; IVANOV, K.A., red.;
TROFINOV, A.V., tekhn.red.

[Ship theory] Teoriia korablia. Moskva, Izd-vo "Morskoi transport,"
1956. 259 p. (MIRA 11:1)
(Hulls (Naval architecture))

KOVALEVSKIY G. T.

USSR/ Geography - Economic geography

Card 1/1 Pub. 45 - 14/17

Authors : Alampiev, P. M.

Title : Byelorussian SSR, Excerpts from economic geography

Periodical : Izv. AN SSR. Ser. geog. 3, 103-105, May - Jun 1954

Abstract : A review is made of the book, "Byelorussian SSR, Excerpts from Economic Geography", compiled by G. T. Kovalevskiy and Ya. G. Rakov, published by the Academy of Sciences of the USSR at Minsk in 1953, and containing 432 pages. These excerpts show the kinds of agriculture and industry pursued in Byelorussia and how this country, always known to be poor, with the help of Russia and other republics became prosperous. The book is rated as good but does not contain sufficient factual material.

Institution:

Submitted:

KOVALEVSKIY, G.T., red.; LANDIN, Ye.I., red.; OSAD'KO, M.P.,
red.; PASHKEVICH, O.N., red.

[Labor incentives in a socialist society] Stimulirovanie
truda v sotsialisticheskom obshchestve. Minsk, Izd-vo
"Nauka i tekhnika," 1964. 190 p. (MIRA 17:5)

1. Akademiya navuk BSSR, Minsk, Instytut ekonomiki.

KOVALEVSKIY, G.T., *otv. red.*; MARTINKEVICH, F.S., *kand. geogr. nauk, otv. red.*; KUZ'MINA, N.G., *red.*; BOGOYAVLENSKIY, G.P., *red.*; CHENTSOVA, V.A., *red. kart*; NOGINA, N.I., *tekh. red.*

[The White Russian S.S.R.] Belorusskaia SSR. Moskva, Gos. izd-vo geogr. lit-ry, 1957. 486 p. (MIRA 15:2)

1. Akademiya nauk BSSR. Instytut ekonomiki. 2. Zaveduyushchiy sektorom ekonomicheskoy geografii instituta ekonomiki Akademii nauk Belorusskoy SSR (for Martinkevich).

(White Russia--Economic geography)

KOVALEVSKIY, G. T.

PHASE I BOOK EXPLOTATION

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Akademiya nauk BSSR. Institut ekonomiki.

Belorusskaya SSR (The Belorussian SSR) Moskow, Geografiz, 1957. 486 p. 5,000
copies printed.

SPONSORING

AGENCY: Akademiya nauk Belorusskoy SSR. Institut ekonomiki.

RESP. EDS.: Kovalevskiy, G. T., Martinkevich, F. S.: Kuz'mina, N. G.,
Bogoyavlenskiy, G. P.; Tech. Ed.: Nogina, N. I.; Map Ed.:
Chentsova, V. A.

PURPOSE: The book is intended for geography teachers and university students;
it is also recommended to employees of Soviet planning organizations.

COURAGE: The book is divided into a general description and a survey by oblasts.
The first part gives the historical background, a geographic descrip-
tion and an economic survey of the republic; the second part deals
with each of the seven Belorussian oblasts. The author makes reference

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The Belorussian SSR (Cont.)

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to the destruction inflicted by World War II and he states that in 1940 Belorussia had a population of 9,200,000 whereas today its population is only 8,000,000. The author does not account for the cession of the Bialystok region. Flax is the main technical crop of Belorussia and the republic boasts of a well-developed linen industry. Potato cultivation and the industrial use of potatoes along with pig breeding follow in importance in the Belorussian national economy. The main manufacturing industries are in order of their importance by ruble value: the food-processing industries, light industries, the metalworking and machine-building industries, including motor vehicles. Four-fifths of Belorussian manufacturing is carried on in four original Soviet oblasts (Minskaya, Vitebskaya, Mogilevskaya, and Gomel'skaya). Local power stations are predominantly peat-burning stations and are supplied from numerous peat bogs. Peat is the only domestic fuel in addition to wood. Over 7,000,000 metric tons of peat were mined in 1955. Coal and oil are imported. The development of electric power facilities is treated to a considerable extent but capacities of the power plants are seldom mentioned. The peat-burning Belorusskaya GRES im. Stalina is the largest of the plants. Considerable attention is paid to industrial enterprises of all-Union

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The Belorussian SSR (Cont.)

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significance, e.g.; the Minsk Tractor Plant and the Minsk Motortruck Works. The Motortruck Works is the only producer of 25-ton dump trucks for the Soviet market. The Tractor Works makes 11 percent of Soviet tractors including the Belarus' type, a wheel tractor. The machine-tool plants of Belorussia build one-twelfth of all Soviet machine tools. Only the "Kirov" and "Voroshilov" plants at Minsk are specifically mentioned. There are altogether 6 machine-tool plants in operation and one more plant is under construction. Two other plants of all-Union importance are discussed, both of them in Minsk: a tractor plant and a motorcycle plant. The latter manufactures 10 percent of all Soviet motorcycles and 16 percent of all Soviet bicycles. Several plants making electric equipment are also mentioned but little information is given concerning equipment. Only seven photographs are related to Belorussian industries. These show: 1) an inside view of a tractor-assembly shop, 2) a 40-ton trailer built at the Minsk Motortruck Works, 3) a general view of the Osipovichi Hydroelectric Power Station, 4) the Rechitsa Furniture Combine in Gomel'skaya Oblasts, 5) a Clinker kiln at the Krichev Cement Plant, 6) an inside view of the Minsk Worsted Textiles Combine, 7) inside view of the Vitebsk Rug and Velvet Combine. There are 100 photographs, 30 maps, 10 tables, and 200 Soviet references.

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GC/gmp
May 26, 1958

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LAPTEV, I.D.; TERYAYEVA, A.P.; SAPIL'NIKOV, N.G.; CHENTSOV, R.Ye. [deceased]; SEPP, Ya.P.; SUVOROVA, L.I.; ZASLAVSKAYA, T.I.; GREKOVA, A.I.; TONKOVICH, V.S.; IBRAGIMOV, A.I.; KOTSYUBA, T.Ya.; KURYLEV, V.M.; KOVALEVSKIY, G.T.; KALNYNSH, A.A. [Kalnins, A.]; SIDOROVA, M.I.; MALISHAUSKAS, V.I. [Malisauskas, V.]; PASECHNIK, P.P.; BUGAREVICH, V.S.; KARNAUKHOVA, Ye.I.; AREF'YEV, T.I.; KAZAKOV, I.G.; GUMOVSKIY, I.A.; SEMIN, S.I., red.; LINKUNA, N.I., red.; TSITKO, I.A., red.; VOLKOVA, V.V., tekhn. red.

[Material incentives for developing the collective farm production] Material'nye stimulirovaniye razvitiya kolkhoznoy proizvodstva. Moskva, Izd-vo AN SSSR, 1963. 326 p.

(MIRA 16:12)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Institut ekonomiki AN SSSR (for Laptev, Teryayeva, Suvorova, Zaslavskaya, Sidorova, Karnaukhova). 3. Sredneaziatskiy gosudarstvennyy universitet (for Sapil'nikov). 4. Komi filial AN SSSR (for Chentsov). 5. Institut ekonomiki AN Estonskoy SSR (for Sepp). 6. Bashkirskiy filial AN SSSR (for Grekova). 7. Institut ekonomiki AN Belorusskoy SSR (for Tonkovich, Kovalevskiy). 8. Institut ekonomiki AN Uzbekskoy SSR (for Ibragimov).

(Continued on next card)

LAPTEV, I.D.— (continued). Card 2.

9. Institut ekonomiki AN Ukr.SSR (for Kotsyuba, Pasechnik).
10. Belorusskiy institut ekonomiki i organizatsii sel'sko-khozyaystvennogo proizvodstva (for Bugarevich).
11. Vsesoyuznyy institut sakharnoy svekly (for Aref'yov).
12. Institut ekonomiki AN Kirgizskoy SSR (for Kazakov).
13. Rabotnik Tsentral'nogo komiteta Kommunisticheskoy partii Moldavskoy SSR (for Gurovskiy).
14. Kuybyshevskiy planovyy institut (for Kurylev).
(Collective farms--Income distribution)

MATUSEVICH, M.G., kand. ekon. nauk; MILOVANOV, V.A., kand. ist. nauk; NIKITIN, G.A., kand. geogr. nauk; GURVICH, G.Ts. kand. ekon.nauk; GOLUBEV, B.P., nauchn. sotr.; KRUTILINA, T.N., nauchn. sotr.; MIKHNEVICH, L.M., nauchn. sotr.; GIORGIDZE, Z.I., kand. ekon. nauk; RAVUN, I.I., kand. ekon. nauk; OKUN', M.V., kand. ekon.nauk; KOVALEVSKIY, G.T., kand. ekonom. nauk; KHROMOV, P.A., doktor ekonom. nauk, nauchnyy red.; LEONENKO, I., red. izd-va; ATLAS, A., tekhn. red.

[Economy of White Russia during the period of imperialism, 1900 - 1917] Ekonomika Belorussii v epokhu imperializma, 1900-1917. Minsk, Izd-vo AN BSSR, 1963. 420 p.

(MIRA 17:3)

1. Akademiya navuk BSSR, Minsk, Instytut ekonomiki.
2. Institut ekonomiki AN BSSR (for all except Leonenko, Atlas).

KOVALEVSKIY, G.V.

Reduced renal blood flow in acute fatal blood loss in an
experiment. *Exper.khir.i anest.* no.6:39-46 '61.

(MIRA 15:5)

1. Iz otdela eksperimental'noy biologii i patologii (zav. -
prof. I.K.Yesipova) Instituta eksperimental'noy biologii i
meditsiny (dir. - prof. Ye.N. Meshalkin) Sibirskogo otdeleniya
AN SSSR.

(KIDNEYS--BLOOD SUPPLY) (HEMORRHAGE)

KOVALEVSKIY, G.V.

Expert determinations of intravital decapitation in railroad and other accidents; experimental study. Sud.-med.ekspert. 5 no.4: 6-13 O-D '62. (MIRA 15:11)

1. Laboratoriya patomorfologii (zav. - dotsent Yu.G.Tsellarius) Instituta eksperimental'noy biologii i meditsiny Sibirskogo otdeleniya AN SSSR.
(RAILROADS--ACCIDENTS) (MEDICAL JURISPRUDENCE)

KOVALEVSKIY, G. V.

KOVALEVSKIY, G.V.

Functional and morphological characteristics of the vascular system of the kidneys; experimental morphological study.
Urologia no.1:12-19'63. (MIRA 16:7)

1. Iz Instituta eksperimental'noy biologii i meditsiny (direktor - prof. Ye.N. Meshalkin, nauchnyy rukovoditel' - prof. I.K. Yesipova) Sibirskogo otdeleniya AN SSSR.
(KIDNEYS—BLOOD SUPPLY)
(BLOOD—CIRCULATION, DISORDERS OF)

KOVALEVSKIY, G.V. (Novosibirsk)

Shunting of the renal circulation in hemorrhage; an experimental study. Arkh. pat. no.2:24-33 '63 (MIRA 16:11)

1. Iz laboratorii patomorfologii (zav. - dotsent Yu.G. Sellarius) Instituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye.N.Meshalkin, nauchnyy rukovoditel' - prof. I.K.Yesipova) Sibirskogo otdeleniya AN SSSR.

*

KOVALEVSKIY, G.V. (Novosibirsk)

Reconstruction of the hepatic vessels in sclerosis caused by
parasitic cholangitis in animals. Arkh. pat. 25 no.9:34-42 '63.
(MIRA 17:10)

1. Iz laboratorii patomorfologii (zav. - dotsent Yu.G. TSellarius)
Instituta eksperimental'noy biologii i meditsiny (dir. - prof.
Ye.N. Meshalkin) Sibirskogo otdeleniya AN SSSR.

KOVALEVSKII, G.V., (Novosibirsk)

Functional morphology of the arteries; experimental study. Arkh. pat.
25 no.11:37-43 '63. (MIRA 17:12)

1. Iz laboratorii patomorfologii (zav. - dotsent Yu.G. TSellarious)
Instituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye.N.
Meshalkin) Sibirskogo otdeleniya AN SSSR (nauchnyy rukovoditel' - prof.
I.K.Yesipova).

KOVALEVSKIY, G.V. (Novosibirsk)

Nature of hydropic changes in liver cells in acute hemorrhage. Arkh.
pat. 26 no. 4:24-31 '64. (MIRA 18:7)

1. Laboratoriya patomorfologii (zav. - dotsent Yu.G.Tsellarius) In-
stituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye.N.
Meshalkin, nauchnyy rukovoditel' - prof. I.K.Yesipova) Sibirskogo
otdeleniya AN SSSR.

SURA, V.V.; KOLAYEV, V.A.; KOVALEVSKIY, G.V.

Experimental reproduction of some clinicomorphological manifestations of systemic lupus erythematosus; preliminary report. Sov. med. 27 no.2:42-49 F '64. (MIRA 17:10)

1. Klinicheskiy otdel (zav. - prof. Ye.N. Meshalkin) i laboratoriya patomorfologii (zav. - dotsent Yu.G. TSellarius) Instituta eksperimental'noy biologii i meditsiny (IEBiM) Sibirskogo otdeleniya AN SSSR i kafedra gospital'noy terapii (zav. - prof. A.A. Demin) Novosibirskogo meditsinskogo instituta.

KOVALEVSKIY, G.V. (Novosibirsk)

Morphology of early reactive changes in rats following introduction of a mycobacterial stimulant. Arkh. pat. 27 no.4:57-65 '65. (MIRA 18:5)

1. Laboratoriya patomorfologii (zav. - dotsent Yu.G.Tsellarius) otdela eksperimental'noy biologii i patologii Instituta tsitologii i genetiki (dir. - chlen-korrespondent AN SSSR D.K.Belyayev) Sibirskogo otdeleniya AN SSSR.

KOVALEVSKIY, G.V.

Immunomorphological changes in white rats following the introduction
of a mycobacterial adjuvant. Zhur. mikrobiol., epid. i immun. 42
no.8:117-123 Ag '65. (MIRA 18:9)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN
SSSR, Novosibirsk.

AFONIN, Z.M., inzh.; BEKENSKIY, B.V., inzh.; BELAN, F.N., inzh.;
GORYANSKIY, Yu.V., kand. tekhn. nauk; GRIGOF'YEV, Ya.N.,
inzh.; KOVALEVSKIY, G.V., kand. tekhn. nauk; MAGULA, V.E.,
kand. tekhn. nauk, retsenzent; DRUZ', B.I., kand. tekhn.
nauk, retsenzent; KULAGIN, V.D., kand. tekhn. nauk,
retsenzent; DOROGOSTAYSKIY, D.V., doktor tekhn. nauk, red.

[Theory and construction of ships] Teoriia i ustroistvo
sudov. Moskva, Transport, 1965. 371 p. (MIRA 18:9)

ACC NR: AM5028932

(N) Monograph

UR/

Afonin, Z. M. (Engineer); Bekenskiy, B. V. (Engineer); Belan, F. N. (Engineer);
Goryanskiy, YU. V. (Candidate of Technical Sciences); Grigor'yev, YA. N. (Engineer);
Kovalevskiy, G. V. (Candidate of Technical Sciences)

Theory and equipment of ships (Teoriya i ustroystvo sudov) Moscow, Izd-vo "Transport",
65. 0371 p. illus., biblio. Errata slip inserted. 8,000 copies printed.

TOPIC TAGS: shipbuilding engineering, marine engineering, ship component, ship
navigation, marine engine, hydrodynamics /

PURPOSE AND COVERAGE: This book studies the problems of the theory of ships (statics
and dynamics) and gives a basic survey of ship engines, construction and the stabi-
lity of a ship's hull, structures and systems. This manual is recommended for stu-
dents in ship navigation departments of the higher engineering marine schools and al-
so can be used by students in other departments of the same schools. This book would
be useful for students and engineers in the Navy.

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Ch. II. Initial stability of ships --29

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UDC:629.12(0.75.8)

ACC NR: AM5028932

Ch. III. Stability at great angles of inclination--61
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Ch. VI. Resistance of water to movement of the ship-100
Ch. VII. Propeller blades--128
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SUB CODE: 13/ SUBM DATE: 04Jun65/ ORIG REF: 035

Card 2/2

KOVALEVSKIY, G. V.

KOVALEVSKIY, G. V. --"A New Method of Planning and Building Senkov System Dams from Prefabricated Ferroconcrete." Min of Merchant Marine USSR, Leningrad Higher School of Marine Engineering imeni Admiral Makarov, Leningrad, 1956
(Dissertation for the degree of Doctor of Technical Sciences.)

KNIZHNAY LETOPIS
No 41, October 1956

KOVALEVSKIY, G. V., Doc TechSci -- (diss) "A new method of designing and
Constructing
building the foundations of dams of the Senkov system and other hydraulic
made of
~~engineering~~ constructions from prefabricated reinforced concrete." Len,
1958. 36 pp with drawings (Min of Marine Fleet USSR, Len Higher Engineering
Naval
Marine School in Admiral Makarov), 150 copies (KL, 18-58, 98)

HELKIN, V.P., doktor tekhn.nauk, prof.; BEL'GOVA, M.A., kand.tekhn.nauk;
KOVALEVSKIY, G.V., kand.tekhn.nauk; MASYAGIN, A.V., kand.tekhn.nauk;
NEBYLOV, V.M., kand.tekhn.nauk; RYABOV, L.I., kand.tekhn.nauk;
SIVERS, N.L., kand.tekhn.nauk; SOKOLOVA, A.S., kand.tekhn.nauk;
TAUBIN, G.O., kand.tekhn.nauk; KONTOROVICH, B.M., inzh.

"Designing ships' hulls" by A.A. Pravdin. Reviewed by V.P. Belkin
and others. Sudostroenie 24 no.8:78-79 Ag '58. (MIRA 11:10)
(Hulls(Naval architecture))

PIROGOV, Nikolay Dmitriyevich; KOVALEVSKIY, Ivan Ivanovich; BILINSKIY, M. Ya.,
redaktor; KUZ'MIN, D.G., tekhnicheskiiy redaktor

[Masonry and bricklaying] Kamennye i pechnye raboty. Moskva, Vses.
uchebno-pedagog. izd-vo Trudrezervizdat, 1956. 295 p. (MLRA 9:12)
(Masonry) (Bricklaying)

SOPINSKIY, I.D.; BLOKHIN, P.N.; GEL'BERG, L.A.; ZHDANOV, P.M.; IVASHCHENKO, I.P.; LEVINA, G.P.; NAUMOVA, N.A.; SMIRNOV, N.S.; ARONOVA, R.I.; NIKOLAYEV, N.A.; SHERENTSIS, A.A.; KOVALEVSKIY, I.I.; LOBACHEV, P.V.; SLADKOV, S.P.; DZIGAN, A.V.; FORAPONOV, N.K. Primalni uchastiye: ARGANSKIY, A.S.; ASMUS, Ye.N.; BRZHALOVA, Ye.M.; BOGATYKH, Ya.D.; BURENIN, V.A.; GOL'DING, N.F.; DOMSHLAK, I.P.; MOSKALEV, S.A.; RABINOVICH, S.G.; ROGOVSKIY, L.V.; KHOKHLOVA, L.P.; SHESTOPAL, N.M.. RUBANENKO, B.R., glavnyy red.; GALKIN, Ya.G., zamest.glavnogo red.; SAPRYKIN, V.A., red.; SHCHEPETOV, V.M., red.; NOVITCHENKO, K.M., nauchnyy red.; VILKOV, G.N., inzh., red.izd-va; TYAPKIN, B.G., red. izd-va; EL'KINA, E.M., tekhn.red.

[Building your own home] Spravochnik individual'nogo zastroishchika. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1958. 442 p.
(MIRA 12:2)

1. Akademiya stroitel'stva i arkhitektury SSSR.
(Building)

KOVALEVSKIY, I.I.

SEME NOV, L.A., doktor tekhnicheskikh nauk; KOVALEVSKIY, I.I., redaktor;
CHMBYSHEVA, Ye.A., tekhnicheskiy redaktor

[Thermal stability and furnace heating of apartment houses and
public buildings] Teploustoichivost' i pechnoe otopenie zhilykh
i obshchestvennykh zdaniy. Moskva, Izd-vo M-va stroitel'stva
predpriyatii mashinostroeniya, 1950. 262 p. (MLBA 10:9)
(Heating)

KOVALEVSKIY, I., inzh.

Heating and cooking stoves with fireboxes of a special type.
Sel'.stroj. 9 no.1:23-24 Ja-F '54. (MIRA 13:2)
(Stoves, Earthenware)

KOVALEVSKIY, I.I.

LIVCHAK, Iosif Fedorovich; KOVALEVSKIY, I.I., nauchnyy redaktor; SEREBREN-
NIKOVA, L.A., redaktor; BARANOVA, N.N., tekhnicheskii redaktor

[Steam-heating for small buildings] Vodiane otopenie nebol'shikh
zdanii. Moskva, Vses.uchebno-pedagog. izd-vo Trudrezervizdat,
1957. 115 p. (MIRA 10:11)
(Steam--Heating)

KOVALEVSKIY, I.I.: Master Tech Sci (diss) -- "The development of the design and the testing of a rational heating-welding furnace for kolkhoz and village construction". Moscow, 1959. 24 pp (Acad Construction and Architecture USSR, Sci Res Inst of Sanitary Engineering) 150 copies (KL, No 15, 1959, 124)

KOYALEVSKIY, Ivan Ivanovich, kand.tekhn.nauk; KHRUSTOV, S.Ya., nauchnyy
red.; OSTROVA, I.M., red.; TOKER, A.M., tekhn.red.

[Oven work] Pechnoe delo. Izd.3., perer. i dop. Moskva, Vses.
uchebno-pedagog.izd-vo Proftekhizdat, 1960. 157 p.
(Ovens) (MIRA 13:7)

KOVALEVSKIY, I.I., kand. tekhn. nauk; prinyali uchastiye: MERINOV, N.A., inzh.; LEVIN, V.B., inzh.; SENINA, R.V., tekhn. nauk; LERNER, B.N., kand. tekhn. nauk; PRAVOVEROV, K.N., kand. tekhn. nauk; SOSNIN, Yu.P., kand. tekhn. nauk, red.; NINEMYAGI, D.K., red. izd-va; OSENKO, L.M., tekhn. red.

[Album of heating furnaces and stoves] Al'bom otopitel'nykh i by-tovykh pechei. Moskva, Gos.izd-vo lit-ry po stroit., arkh. i stroit. materialam. Pt.1. [Heating furnaces] Pechi otopitel'nye. 1961. 85 p. (MIRA 14:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Rostov-on-Don. 2. Laboratoriya otopitel'nykh pechey i ochagov nauchno-issledovatel'skogo instituta sanitarnoy tekhniki Akademii stroitel'stva i arkhitektury SSSR (for Merinov, Levin, Senina). 3. Laboratoriya otopleniya i ventilyatsii Instituta po stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR (Rostov-na-Donu) (for Kovalevskiy). 4. Akademiya kommunal'nogo khozyaystva RSFSR imeni K.D.Pamfilova (for Lerner, Pravoverov)
(Furnaces, Heating)

S/115/61/000/001/003/007
B129/B201

AUTHORS: Gordov, A. H ., Izrailov, K.S., Kandyba, V. V., Kirenkov,
I. I., Kovalevskiy, V. A., Kapina, E. A., Kinkel'shteyn,
V. Ye., and Ergardt, N. N.

TITLE: Comprehensive metrological studies for developing methods and
apparatus for exact measurements of high temperatures

PERIODICAL: Izmeritel'naya tekhnika, no. L, 1961, 22-25

TEXT: The ever-increasing demands made by industry on the accuracy and
range of measurements of high temperatures make it necessary to reorganize
the entire metrological system in the field of measurements of high tempera-
tures and the development of new standard and model devices on the basis of
the latest achievements in the construction of precision instruments. In
this connection, the VNIIM imeni D. I. Mendeleeva and KHGMIP developed a
program for the performance of comprehensive metrological studies for the
establishment of new standards and high precision master instruments for tem-
peratures of up to 10,000 C. This metrological research work was completed
in 1960. The studies were made in four fundamental directions: thermometry

Card 1/2

Comprehensive metrological ...

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of gases, thermoelectric pyrometry, optical visual pyrometry, objective pyrometry (photoelectric and radiation pyrometry). New temperature scales in the field of high temperatures were established on the basis of new methods of objective spectropyrometry. The optical pyrometers used for measuring high temperatures are not sufficiently accurate. Thus, the admissible error in measurement of the optical pyrometers OPIR is up to $+15^{\circ}\text{C}$ at $1,000^{\circ}\text{C}$, and up to 30° at $2,000^{\circ}\text{C}$. It is evident that this is insufficient for many purposes and for scientific research work. In connection with the above problem, i.e., direct temperature measurement of high accuracy, the optical precision pyrometers EOP-51 and OP-48 spectropyrometers of the types LKP-57 and SPK , and new optical devices of the type URP were developed and introduced. The international temperature scale was used with maximum accuracy for the new instruments at the Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im. O. I. Mendeleeva (All-Union Scientific Research Institute of Metrology imeni D. I. Mendeleev) and at the institutes of the Komitet standartov, mer i izmeritel'nykh priborov (Committee on Standards, Measures, and Measuring Instruments). The new pyrometers are widely used for scientific research work. There are 59 references: 49 Soviet-bloc and 6 non-Soviet-bloc.

Card 2/2

KOVALEVSKIY, I.I., kand. tekhn. nauk; YERMAKOV, Yu.M., ; MERINOV, N.A.;
FROLOVA, V.A.; CHIZHIKOVA, L.I.; NINEMYAGI, D.K., red. izd-va;
SHERSTNEVA, N.V., tekhn. red.

[Album of heating furnaces and stoves] Al'bom otopitel'nykh i by-
tovykh pechei. Moskva, Gosstroizdat. Pt.2, [Stoves for heating
and cooking] Pechi otopitel'no-varochnye. 1962. 88 p.

(MIRA 16:1)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut po
stroitel'stvu, Rostov-on-Don. 2. Rukovoditel' laboratorii oto-
pleniya i ventilyatsii Nauchno-issledovatel'skogo instituta po
stroitel'stvu, Rostov-on-Don (for Kovalevskiy). 3. Nauchno-
issledovatel'skiy institut sanitarnoy tekhniki Akademii stroitel'-
stva i arkhitektury SSSR (for Yermakov, Merinov, Frolova,
Chizhikova). (Stoves) (Furnaces, Heating)

KOVALEVSKIY, Ivan Ivanovich, kand. tekhn.nauk; Primal uchastiye
SOSNIN, Yu.P., kand. tekhn. nauk; MAKSIMOVA, Yu.M., red.;
BARANOVA, N.N., tekhn. red.

[Stove work] Pechnye raboty. Izd.4., perer. i dop. Mo-
skva, Proftekhizdat, 1963. 237 p. (MIRA 16:7)
(Stoves)

KALINYUK, V.V., inzh., red.; MERINOV, N.A., inzh., red.;
KOVALEVSKIY, I.I., inzh., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt.3. Sec.G. ch.11. [Heating furnaces, smoke and ventilating ducts of apartment houses and public buildings; regulations for production and acceptance of work] Otopitel'nye pechi, dymovye i ventiliatsionnye kanaly zhilykh i obshchestvennykh zdani; pravila proizvodstva i priemki rabot (SNiP III-G. 11-62) 1963. 11 p. (MIRA 17:5)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Kalinyuk). 3. Mezhdudomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil (for Merinov). 4. Nauchno-issledovatel'skiy institut po stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR v gorode Rostove-na-Donu (for Kovalevskiy).

S/203/61/001/005/021/028
A006/A101

AUTHORS: Kovalevskiy, I. V., Mikerina, N. V., Novysh, V. V., Gorodnicheva,
O. P.

TITLE: Investigating stray currents from electrified railroads and the
nature of their attenuation in the South-Ural region

PERIODICAL: Geomagnetizm i aeronomiya, v. 1, no. 5, 1961, 825 - 829

TEXT: The authors present results obtained from measuring stray currents along a double-track electrified railroad, which is power supplied with 3,300 v constant voltage. The measurements were carried out in the South-Ural region, using mirror galvanometers (M-25/6) (photorecording); a portable type H-373-2 (N-373-2) device (visible recording) and electroprospecting field oscillograph ЭПО-5 (EPO-5) (photorecording). Signals from 0.001 to 100 v could be recorded. The stray currents measured show a pulse nature; the duration of pulses lasts from several seconds up to 20 minutes. Pulses with amplitudes of 0.5 - 3 v/km are prevailing and such with maximum amplitudes as high as 4 - 6 v/km occur. A dependence is shown between stray currents and the magnitude of the specific resistance of rocks. At a distance of 10 - 15 km from the railroad, sharp attenua-

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Investigating stray currents from...

S/203/61/001/005/021/028
A006/A101

tion of stray currents was observed. Up to 30 km distance stray currents prevail. further-on telluric currents are predominant; the former appear as pulse noises. The noises were traced up to 60 km. No observations were made at larger distances. There are 5 tables, 2 figures and 4 Soviet-bloc references.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln, AN SSSR (Institute of Terrestrial Magnetism, Ionosphere and Propagation of Radiowaves, AS USSR)

SUBMITTED: July 24, 1961

Card 2/2

KOVALEVSKIY, I.V.; MIKERINA, N.V.; NOVYSH, V.V.; GORODNICHEVA, O.P.

Study of vagrant currents from an electrified railroad and the nature of their attenuation in the Southern Ural area. Geomag. i aer. 1 no.5:825-829 S-0 '61. (MIRA 15:1)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

(Electric currents, Vagrant)
(Ural Mountain region--Electric railroads)

ZHULIN, I.A.; KOVALEVKSIY, I.V.

Ring current, geomagnetic disturbances, and radiation belts.
Geomag. i aer. 2 no.5:1018-1020 S-0 '62. (MIRA 15:10)
(Magnetic storms) (Van Allen radiation belts)
(Auroras)

KOVALEVSKIY, K.L.

Significance of breast feeding and the donorship of milk in
laboratory animals. Lab. delo no. 11:697 '64. (MIRA 17:12)

1. Institut genetiki AN SSSR, Moskva.

KOVALEVSKIY, K. L.

Agriculture & Plant & Animal Industry.

Experimental animal husbandry; a practical manual on breeding, maintenance, and utilization of experimental animals. Moskva. Akademiia meditsinskikh nauk SSSR, 1951.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

BUROV, A.D.; KOVALEVSKIY, K.L.

"Laboratory animals." [professor] P.P.Sakharov, [professor] Metelkin, A.I., GUDKOVA, Ye.I. Reviewed by K.L.Kovalevskii and A.D.Burov.
Zhur.mikrobiol.epid.i immun. no.12:73-77 D '53. (MLRA 7:1)
(Laboratory animals) (Sakharov, P.P.) (Metelkin, A.I.)

~~KOVALEVSKIY, Konstantin Luk'yanovich; METELKIN, A.I., prof., red.;~~
~~MILENUSHKIN, Yu.I., red.; BRUDKOVSKAYA, N.I., tekhn.red.~~

[Raising laboratory animals] Laboratornoe zhivotnovodstvo.
Pod red. A.I. Metelkina. Iss. 2, peres. i dop. Moskva, Gos.
izd-vo med. lit-ry, 1958. 323 p. (MIRA 11:12)
(Laboratory animals)

KOVALEVSKIY, K.L.

Study of a new infectious disease affecting the golden hamster
(*Cricetus auratus*). Trudy Inst. gen. no. 27:370-371 '60.

(MIRA 13:12)

(Hamsters--Diseases and pests) (Proteus)

KOVALEVSKIY, K.L.

Green feed plan in the feeding of laboratory animals. Lab. delo
7 no.12:50 D '61. (MIRA 14:11)
(LABORATORY ANIMALS--FEEDING AND FEEDS)

ACCESSION NR: AT4002876

S/2670/63/000/030/0315/0320

AUTHOR: Kovalevskiy, K. L.

TITLE: Autoinfection (intestinal) in radiation sickness and its prevention in white rats of the Wistar strain

SOURCE: AN SSSR, Institut genetiki. Trudy*, no. 30, 1963, 315-320

TOPIC TAGS: autoinfection, intestinal autoinfection, x irradiation, radiation sickness, Bacterium acidophilum, Staphylococcus albus, Staphylococcus citreus, hyperemia, cardiac enlargement, hypercardia, hemorrhage, cardiac hypertrophy

ABSTRACT: Two groups of non-inbred white Wistar rats were given orally acidophilus milk with lactose ten days before and daily after x-irradiation. The animals of group I (6 weeks old) received 8 ml acidophilous milk with 0.3 g lactose; those of group II (12 weeks old) received 10 ml acidophilous milk with 0.5 g lactose. The corresponding controls (6 and 12 weeks old) received ordinary milk with 0.3 and 0.5 g lactose, respectively. Otherwise, the diet was the same for the test

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ACCESSION NR: AT4002876

rats and for the controls. The rats were subjected to x-irradiation with 700 r at 316 r/min (180 kv; 15 mamp; filter 0.5 mm Cu and 1 mm Al; focal length, 40 cm). By the 30th day after exposure, the following data had been obtained: group I -- average weight, 119.7 g; mortality, 22%; controls -- 108.2 g and 44%, respectively; group II -- average weight, 205.6 g; mortality, 26%; controls -- 192.6 g and 42%, respectively. The data obtained indicate that the daily administration of acidophilous milk with lactose added prevented the occurrence of diarrhea in irradiated rats, which was manifested in increased weight and decreased mortality. No pathological changes in the intestine were observed. Orig. art. has: 1 table and 1 figure.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 17Jan64

ENCL: 00

SUB CODE: AM

NO REF SOV: 011

OTHER: 007

Card 2/2

ACCESSION NR: AP4038944

S/0241/64/000/005/0058/0062

AUTHOR: Kovalevskiy, K. L.

TITLE: Radiosensitivity of mice after splenectomy and the use of spleen tissue homogenate in chronic radiation sickness

SOURCE: Meditsinskaya radiologiya, no. 5, 1964, 58-62

TOPIC TAGS: radiosensitivity, radiation sickness, chronic radiation sickness, splenectomy, spleen homogenate, hemorrhagic syndrome, leukopenia, radiation sickness mortality

ABSTRACT: Experiments were conducted on white mice which were splenectomized at the age of 1-month. After another month 96 were subjected to a total x-ray dose of 600 r. Non-splenectomized irradiated animals served as controls. Leukopenia, appearing on the 4th day, was more pronounced (leukocyte decrease from 9800 to 800 as against 9200 to 2500 for controls), with increased mortality. Mortality was 89 - 2.688 as against 85 - 4.220 for controls. Autopsy revealed presence of the hemorrhagic syndrome (subcutaneous tissue and inner organs) while controls showed mainly hyperemia or edema. In a second test series homogenate from fresh spleen

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tissue of 4-7 day-old mice was administered once intraabdominally 1 - 1½ hours after irradiation to 48 mice. Radiation sickness in these mice appeared later than in controls, they survived longer and the survival rate was higher. The mortality was 37 - 6.073 as against 44 - 3.960 for controls. The administered spleen homogenate prevented hemorrhages in the inner organs. Orig. art. has: 1 table.

ASSOCIATION: Allergologicheskaya laboratoriya Nauchno-issledovatel'skogo instituta ukha, gorla i nosa (Allergy Laboratory of the Scientific Research Institute of Ear, Throat and Nose)

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