

ALEXANDROV, I.A.

Joints in large-panel residential buildings. Manch. study
ARKH no.31:130-135 '64. (MIRA 18:9)

USHKOV, F.V.; ALEXANDROV, I.A.

Heat conductivity of porous building materials considering
moisture phase changes. Nauch. trudy AKKH no.31:136-145 '64.
(MIRA 18:9)

ALEKSANDROV, I.B., gornyy inzh.; OKHOTA, I.Ya., gornyy inzh.

Prospects for using conveyer trains. Gor. zhur. no.6:47-49
Je '62. (MIRA 15:11)

1. Gosudarstvennyy institut po proyektirovaniyu razrabotki
rudnykh mestorozhdeniy yuzhnykh rayonov SSSR, Khar'kov.
(Kursk magnetic anomaly---Conveying machinery)

S/188/63/000/001/002/014
B104/B102

AUTHORS: Aleksandrov, I. B., Kukharensko, Yu. A., Niukkanen, A. V.

TITLE: The kinetic equation in statistical quantum mechanics

PERIODICAL: Moscow. Universitet. Vestnik. Seriya III. Fizika,
astronomiya, no. 1, 1963, 11 - 19

TEXT: Following the perturbation-theoretical method of N. N. Bogolyubov and K. P. Gurov (ZhETF, 17, 614, 1947) the kinetic equation for a spatially homogeneous quantummechanical system of Fermi particles is derived, which is accurate up to the terms $\sim \varepsilon^2$:

$$\begin{aligned} \frac{\partial n_{p_1}}{\partial t} = & \frac{\pi \varepsilon^2}{(2\pi\hbar)^6 \hbar} \int |\tilde{\Phi}_0(p_1 - p'_1) - \tilde{\Phi}_0(p_2 - p'_1)|^2 \delta(p_1 + \\ & + p_2 - p'_1 - p'_2) \delta(T(p_1) + T(p_2) - T(p'_1) - T(p'_2)) \times \\ & \times \{n_{p_1}, n_{p_2}(1 - n_{p'_1})(1 - n_{p'_2}) - n_{p'_1}, n_{p'_2}(1 - n_{p_1}) \times \\ & \times (1 - n_{p_2})\} dp'_1, dp'_2, dp_2. \end{aligned} \quad (21),$$

$\varepsilon \ll 1$. This equation agrees with that derived by Bogolyubov and contains
Card 1/2

The kinetic equation in ...

S/188/63/030/001/002/014
B104/B102

the two-particle scattering amplitudes in the first Born approximation. In the development of the chains of the equation for the correlation functions an initial condition for the weakening of the correlation was applied which differs from that known in quantum mechanics: It is assumed that the correlative deviations of the distribution functions $F_2(1,2)$ and $F_3(1,2,3)$ from the products are small; the operator $g(1,2,t)$ is introduced which tends to zero as $t \rightarrow -\infty$. The possibilities of obtaining approximations of higher orders are discussed. ✓

ASSOCIATION: Kafedra elektrodinamiki i kvantovoy teorii (Department of Electrodynamics and Quantum Theory)

SUBMITTED: April 29, 1962

Card 2/2

ALEKSANDROV, I.B.; KUKHARENKO, Yu.A.; NIUKKANEN, A.V.

Kinetic equation for a nonideal Fermi-gas. Vest. Mosk. un.
Ser. 3: Fiz., astron. 18 no.2:15-24 Mr-Apr '63. (MIRA 16:6)

1. Kafedra statisticheskoy fiziki i mekhaniki Moskovskogo
universiteta.

(Cases, Kinetic theory of)

ALEKSANDROV, I.B.; KUKHARENKO, Yu.A.; NIUKKANEN, A.V.

Kinetic equation of a nonideal Fermi-system. Dokl. AN SSSR 149
no.3:557-560 Mr '63. (MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom N.N. Bogolyubovym.
(Differential equations) (Quantum statistics)

ALEKSANDROV, I.B., inzh.

Conveyor trains. Mekh.i avtom.proizv. 17 no.11:27-29 N '63.
(MIRA 17:4)

ALEKSANDROV, I. B.; KUKHARENKO, Yu. A.; NIUKKANEN, A. V.

Double-timed one-particle Green's functions for a nonideal
Fermi system. Vest.Mosk.un Ser.3:Fiz., astron.19 no. 2:43-51
Mr-Apr '64. (MIRA 17:5)

1. Kafedra teoreticheskoy fiziki Moskovskogo universiteta.

ACCESSION NR: AP4033633

S/0188/64/000/002/0043/0051

AUTHOR: Aleksandrov, I. B.; Kukharensko, Yu. A.; Niukkanen, A. V.

TITLE: Repeated single-particle Green's functions for a nonideal Fermi system

SOURCE: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 2, 1964, 43-51

TOPIC TAGS: theoretical-physics, Green function, Fermi system, nonideal Fermi system, single particle Green function

ABSTRACT: The authors present and analyze the derivation of equations for binary correlation functions and single-particle Green's functions for a somewhat nonideal Fermi system on the assumption of smallness of the potential energy of binary interaction in comparison with mean kinetic energy. By introduction of a mass operator it has been possible to obtain an equation of the Dyson type in a quadratic approximation relative to the small parameter of the theory of perturbations. In deriving the equations the authors used the condition of attenuation of correlations for spatially distant parts of the system. An expression has been found for the mass operator in the second approximation; this expression is used to compute the energy and attenuation of elementary excitations. "The authors thank N. Bogolyubov (Jr.) and B. Sadovnikov for useful discussion of certain problems
Card 1/2

ACCESSION NR: AP4033633

considered in the paper." Orig. art. has: 44 equations.

ASSOCIATION: Kafedra teoreticheskoy fiziki, Moskovskiy universitet (Department of Theoretical Physics, Moscow University)

SUBMITTED: 22May63

DATE ACQ: 30Apr64

ENCL: 00

SUB CODE: GP

NO REF SOV: 011

OTHER: 001

Card 2/2

ALEKSANDROV, I.D. (Ust'-Kamenogorsk)

A simple solution. Mat. v shkole no.5:95 S-0 '63. (MIRA 16:11)

ALEKSANDROV, I.D., veterinarnyy vrach

Use of pencillin and biovetin as growth stimulants for calves.
Veterinariia 39 no.1:66-67 Ja '63. (MIRA 16:6)

1. Yur'yevskiy sovkhov, Kormilovskogo rayona, Gmskoy oblasti.
(Pencillin). (Aureomycin)
(Calves)

L 59544-65

ACCESSION NR: AP5015729

UR/0205/65/1105/003/0371/0377

577.391 : 575

AUTHOR: Aleksandrov, I. D.

TITLE: Lag in division and interphase death as indices of differential radiosensitivity of mammalian bone-marrow cells in different phases of the cell cycle after X-irradiation with a dose of 50 r

SOURCE: Radiobiologiya, v. 5, no. 3, 1965, 371-377

TOPIC TAGS: X-irradiation, radiosensitivity, bone marrow, mitosis

ABSTRACT: The authors investigated the extent to which post-radiation changes in mouse bone-marrow mitosis may be caused by the blocking action of radiation on cell division or by the death of cells. Mitotic activity in the bone marrow of stock-bred mice was seen to be low during the first 5 hours after irradiation with 50 r partly because of temporary delay of the cells in the preprophase and, even more, because of the death of cells irradiated during the period of DNA synthesis. The basis of these phenomena is the difference in radiosensitivity of cells of the myeloid and erythroid series judging by two criteria--lag in division and death in the

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L 59544-65

ACCESSION NR: AP5015729

interphase--during the premitotic and synthesis periods. Analysis of one mitotic index alone was insufficient to characterize the changes in duration of the cell cycle. "The author sincerely thanks M. A. Arsen'yev for his advice and help in carrying out this study." Orig. art. has: 2 figures, 1 table.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moscow (Institute of Biophysics, AN SSSR)

SUBMITTED: 03Jul64

ENCL: 00

SUB CODE: LS

NO REF SOV: 006

OTHER: 017

llc
Card 2/2

ALEKSANDROV, I.D.

Delay in division and the interphase death as indices of the differential radiosensitivity of marrow cells of mammals at different phases of the cell cycle following X-ray irradiation with the dose of 50r. Radiobiologiya 5 no.3:371-377 '65.

(MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

I 9872-66 EWT(m)
ACC NR: AF5024007

44.05 SOURCE CODE: UR/0020/65/164/002/0437/0440

AUTHOR: Aleksandrov, I. D.; Orlov, Yu. A. (Academician)

ORG: IBFANS

ORG: Institute of Biological Physics AN SSSR (Institut biologicheskoy fiziki AN SSSR)

TITLE: The correlation of two forms of postradiational destruction of cells in the bone marrow of mice with and without protection by meksamine

SOURCE: AN SSSR. Doklady, v. 164, no. 2, 1965, 437-440

TOFIC TAGS: irradiation, experiment animal, radiation protection, bone marrow

ABSTRACT: An attempt was made to estimate quantitatively the destruction of cells in the interphase and after the division, during the first two cycles following irradiation, and to establish the prophylactic merits of meksamine (5-methoxytryptamine) (I). The experiments were carried out on white mice. I.HCl was introduced intraperitoneally 25-30 min. before irradiation, in doses 0.2 ml.,

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L 9872-66

ACC NR: AP5024007

equimolar to 75.5 mg. base per kg. Control animals received an equal volume of physiological salt solution. The irradiation (X-rays) conditions were: 190 kv. 15 mamp., filter 0.75 mm. Al and 0.5 mm Cu, intensity 25.6 r./min. distance 55 cm, total dose 50 r. The animals were killed at various intervals, from 15 min. to 66 hours. The number of degenerated cells (pyknosis and karyorrhexis) was counted for each animal in preparations amidst not less than 2000 morphologically unchanged cells, and the average percent degeneration was calculated against time. An assumption that cells with deformed chromosomes perish during mitosis made possible a theoretical calculation of the number of cells that is destroyed in this stage. The results show that even after a comparatively small dose during the first postradiational cell cycle, the interphase destruction of the bone marrow elements considerably prevails over the postmitotic destruction. It was found that (I) gives some protection against the lethal effect which results from the structural changes in the chromosomes and does not give any protection against the action of radiation which causes the destruction of the cells prior to their postradiational division. Orig. art. has: 1 figure.

SUB CODE: 06/ SUBM DATE: 14Nov64/

NR REF SOV: 012/ OTHER: 006

2/2

ALEXANDROV, I.G. (Vatutino, Cherkasskoy obl.)

Rare case of trematodiasis of the lungs. Vrach. delo no.1:79 '59.

(LUNGS--DISEASES)

(TREMATODA)

(MIRA 12:4)

ALEKSANDROV, I.G.

Hypsometry of the crystalline basement surface in the northern part of the Tartarian Arc (from geomagnetic survey data). Zap. LGI 46 no.2:71-79 '63. (MIRA 17:6)

ALEKSANDROV, I.I.

Metody reshenii arifmeticheskikh zadach (Methods for solving problems in arithmetic).
Pod red. I.K.Andronova. Moskva, Uchpedgiz, 1953. 76 p.

SO: Monthly List of Russian Accessions, Vol 7, No. 8, Nov. 1954

ALEKSANDROV, I.I.

Sbornik geometricheskikh zadach na postroenie s resheniami; posobie dlia uchitelei sred. shkoly (Manual of geometrical problems in building and their solution). Pod red. N.V. Naumovich. Izd. 19-e. Moskva, Uchpedgiz, 1954. 175 p.

SO: Monthly List of Russian Accessions, Vol 7, No. 8, Nov. 1954

ALFKSANTROV, I I

Sovetskiye shakhtery na yakhte hira. (Soviet miners on the lookout for peace) Moskva, Ugletekhizdat, 1950.
78 p. illus.

Summing up the early fulfillment of Five-Year Plan 1950 in coal production.

ALEKSANDROV, I.I.

"Individual Stakhanovite Plans Boost Labor Productivity in USSR Coal Industry"
Mekh Trud i Tyaszh Rabot, No 2, Feb. 1952

ALEKSANDROV, I.

On the basis of advanced technology. Mast.ugol. 3 no.1:8a-10

Ja '54.

(MLRA 7:1)

(Excavating machinery)

ALEXANDROV, I.

ALEKSANDROV, I.

On the road of plenty. Mast. ugl. 4 no. 8:22-24 Ag'55. (MIRA 8:10)
(Moscow--Agricultural exhibitions)

ALEKSANDROV, I.

The coal mining industry of the Korean people's democracy is
growing. Mast ugl. 4 no.4:30-31 Ap '55. (MLRA 8:6)
(Korea, North--Coal mines and mining)

ALEKSANDROV, I.

Achievements of miners in the Mongolian People's Republic.
Mast. ugl. 4 no.6:29-30 Ja '55. (MLRA 8:8)
(Mongolia--Coal mines and mining)

ALEKSANDROV, I.

Yugoslav coal. Mast. ugl. 4 no. 9:30 S'55. (MLRA 9:1)
(Yugoslavia--Coal mines and mining)

ALEKSANDROV, I.

Mining engineering in Czechoslovakia. Mast.ugl.4 no.10:25-28
O '55. (MIRA 9:1)
(Czechoslovakia--Coal mines and mining)

ALEKSANDROV, I,

A source of creation. Mast.ugl. 4 no.11:15-16 N '55. (MLRA 9:2)
(Moscow Basin--Coal mines and mining)

ALEKSANDROV, I.

~~_____~~
New miners' cities. Mast.ugl.5 No.2:29-30 F '56. (MLRA 9:6)
(Cities and towns)

ALEKSANDROV, I.

Along untrodden paths. Mast. ugl. 5 no. 3:10-11 Mr '56.
(Kuznetsk Basin--Hydraulic mining) (MIRA 9:7)

ALEKSANDROV, I.; MAKSIMOV, M.

More concern and attention to young miners. Mast.ugl. 5 no.5:3-4 My
'56. (MLBA 9:8)

(Ukraine--Coal miners)

ALEKSANDROV, I.

Student-miners. Mast.ugl. 5 no.6:27 Je '56.
(Mining engineering--Study and teaching)
(Moscow Basin--Coal mines and mining)

(MLBA 9:8)

ALEKSANDROV, I.

Grigori Gura, a cutter-loader operator. Mast.ugl. 5 no.7:
17-18 J1 '56. (MIRA 9:9)
(Gura, Grigori, 1931-)

ALEKSANDROV, I.

On the road to complex mechanization. Mast. ugl. 5 no.8:
16-18 Ag '56. (MLRA 9:11)

(Coal mining machinery)

ALEKSANDROV, I.

Ivan Savchenko, section chief. Mast.ugl. 5 no.10:17-18 0 '56.
(Savchenko, Ivan Danilovich) (MLRA 9:12)
(Donets Basin--Coal miners)

ALEKSANDROV, I.

~~Correspondence between a Soviet efficiency promoter and his~~
Chinese friends. Vest. ugl. 6 no.2:31 F '57. (MIRA 10:4)
(China--Coal mines and mining)

ALEKSANDROV, I.

Brigadier Feliks Ignatovich. Mast. ugl. 6 no. 6:9-10 Je '57.
(Coal miners) (MLRA 10:8)

~~ALEKSANDROV, I.~~
ALEKSANDROV, I.

First year. Mast. ugl. 6 no. 10:17-18 0 '57. (MIRA 10:12)
(Donets Basin--Coal mines and mining)

ALEKSANDROV, I.

ALEKSANDROV, I.

Recorded on paper. Mast.ugl. [6] no.11:26-28 N '57. (MIRA 10:12)
(Donets Basin--Historical museums)

ALEKSANDROV, I.

Mine rescue workers. Mast. ugl. 7 no.1:14-15 Ja '58. (MIRA 11:2)
(Mine rescue work)

ALEKSANDROV, I.

Skill of Chinese miners ("Mining Engineering in the Chinese People's Republic" by Li Ch'ao-ch'ung, L. Nasonov. Reviewed by I. Aleksandrov).
Mast. ugl. 7 no.2:30 P '58. (MIRA 11:3)

(China--Coal mines and mining)
(Li Ch'ao-ch'ung) (Nasonov, L.)

ALEKSANDROV, I.

Statesmenlike people. Mast. ugl. 7 no.8:25 Ag '58. (MIRA 11:9)
(Donets Basin--Mine management)

ALEKSANDROV, I.

Along methods prescribed by Mamai. Mast. ugl. 7 no.9:26 S '58.
(Germany, East--Coal mines and mining) (MIRA 11:10)

ALEKSANDROV, I.

China is catching up with England. Mast. ugl. 7 no.10:30 0 '58.
(China--Coal mines and mining) (MIRA 11:11)

ALEKSANDROV, I.

Glorious traditions. Mast.ugl. 8 no.3:8-8b Mr '59.
(MIRA 13:4)
(Donets Basin--Coal mines and mining)

ALEKSANDROV, I.

A new town will be built here. Mast. ugl. 8 no. 6:24 Ja '59.
(Donets Basin--Cities and towns) (MIRA 12:10)

ALEKSANDROV, I.

Coal mining Poland. Mast. ugl. 8 no. 12:25 D '59.

(MIRA 13:4)

(Poland--Coal mines and mining) (Moscow--Exhibitions)

ALEKSANDROV, I.I.; IVANENKO, G.I., otv. red.; KUDRYAVTSEVA, I.G.,
tekhn. red.

[Soviet miners guard the peace] Sovetskie shakhtery na vakhte
mira. Moskva, Ugletekhizdat, 1950. 78 p. (MIRA 15:4)
(Coal mines and mining) (Socialist competition)

ALEKSANDROV, I.

In the pavillions of the "Achievements of the U.S.S.R. Economy"
Exhibition. Mast.ugl. 9 no.8:22-23 Ag '60. (MIRA 13:8)
(Coal mines and mining--Exhibitions)
(Russia--Economic conditions)

ALEKSANDROV, I.

Great progress. Mast. ugl. 9 no.5:25 My '60. (MIRA 13:7)
(China—Coal mines and mining)

ALEKSANDROV, I.I. (Arzamas)

The compactness criterion in a separable $Z_p(\mu)$ space.
Volzh. mat. sbor. no.1:229-231 '63. (MIRA 19:1)

KHMELOVA, Yu.A., kand. tekhn. nauk; ALEXANDROV, I.I., inzh.

Selecting high-strength cast iron for the pistons of 2D100
diesel locomotives. Trudy VNII no.19:199-213 '64.

(MIRA 18:3)

1. Kolomenskiy teplovoyznyy zavod imeni Kuybysheva.

ALEKSANDROV, I.K.

YEZERSKIY, M.D.; ALEKSANDROV, I.K.; SMIGEL'SKIY, P.K.; KOVALENKO, V.I.;
LUKASHEVICH, A.S.; KUZNETSOV, M.I.

Improving postal service. Vest. svyazi 15 no.3:16-18 Mr '55.

(MLRA 8:5)

1. Nachal'nik otдела pochtevoy svyazi Ministerstva svyazi Uzbekskoy SSR (for Yezer'skiy). 2. Zamestitel' nachal'nika Severo-Osetinskogo upravleniya svyazi (for Aleksandrov). 3. Nachal'nik Kabardinskogo upravleniya svyazi (for Kovalenko). 4. Nachal'nik strakhovogo otдела Yuzhno-Sakhalinskoy kontery svyazi (for Lukashevich). 5. Zamestitel' nachal'nika Penzenskogo oblastnogo upravleniya svyazi (for Kuznetsov).
(Postal service)

ALEKSANDROV, I. N.

PA 67/49T75

USSR/Geography - Antarctica
Minerals

Aug 49

"Antarctica," I. N. Aleksandrov, 6¹/₄ pp

"Priroda" No 8

Gives the history of Russian explorations, and stresses Soviet claim to Antarctica. Describes geography, climate, flora and fauna. The Soviet whaling flotilla "Slava" regulates the whale industry. Main minerals are coal, iron, titanium, and hornblende. There are traces of petroleum. American imperialists count on finding uranium there for atom bombs. The interest of the US, England, Australia, and Chile is far from a scientific one.

67/49T75

ALEKSANDROV, I. N.

Role of N. A. Golovkinskii in the development of Russian
geomorphology. Izv. Vses. geog. ob-va 94 no.6:511-515
N-D '62. (MIRA 16:1)

(Golovkinskii, Nikolai Alekseevich)
(Geomorphology)

ALEKSANDROV, I. N.

"Clinical Forms and Pathogenesis of Vestibular Affections
in Air Contusions and Gunshot Wounds of the Ear." Sub 13 Feb 51,
Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees
in Moscow during 1951.

SO : Sum. No. 480, 9 May 55

GOL'DIN, S. YA., ALEKSANDROV, I.

Throat - Diseases

Neurotological symptoms and syndromes, Reviewed by I. Aleksandrov. Vest. oto-rin. lr
no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 195~~8~~², Uncl.

ALEKSANDROV, Il'ya Naumovich, doktor meditsinskikh nauk; GLASKO, N.M.,
red.; SACHEVA, A.I., tekhn.red.

[Prevention and treatment of hardness of hearing and deafness]
Preduprezhdenie i lechenie tugoukhosti i glukhoty. Moskva,
Gos.izd-vo med.lit-ry, 1955. 33 p. (MIRA 12:3)
(DEAFNESS)

ALEKSANDROV, I.N., doktor meditsinskikh nauk

The existence of Meniere's disease as a special nosological form.
Vest. otorin. 18 no.2:7-19 Mr-Ap '56. (MIRA 9:7)
(MENIERE'S DISEASE)

ALEKSANDROV, I. N.

ALEKSANDROV, I. N., doktor med.nauk; NEYMAN, L.V., kand.med.nauk

Professor Iakov Solomonovich Temkin; 60th birthday. Vest.oto-rin.
19 no.4:112-114 J1-Ag '57. (MIRA 10:11)

(BIOGRAPHIES

Temkin, Iakov S.)

ALEKSANDROV, I.N., doktor med.nauk, KOTLYAROV, M.Z.

Specific features in the course and treatment of severe affections of the ears, nose and throat in the war wounded [with summary in English]. Vest.oto-rin. 20 no.5:25-32 S-0 '58 (MIRA 11:12)

1. Iz otolaringologicheskogo otdeleniya (zav. doktor med.nauk I.N. Aleksandrov) Moskovskogo gorodskogo chelyustno-litseвого gosptalya
(NOSE, wounds and injuries
gunshot wounds in soldiers, ther. (Rus))
(EAR, wounds and injuries
same (Rus))
(PHARYNX, wounds and injuries
same (Rus))

ALEKSANDROV, I.N., doktor med.nauk (Moskva).

More on Meniere's disease as a separate nosological entity
[with summary in English]. Vest.oto-rin. 20 no.6:47-57 N-D '58
(MIRA 11:12)

(MENIERE'S DISEASE,
as separate nosol. entity (Rus))

ALEKSANDROV, Il'ya Naumovich, doktor med.nauk; VVEDENSKIY, S.S., red.;
ROMANOVA, Z.A., tekhn.red.

[Hearing disorders and deafness; prevention and treatment]
Tugoukhost' i glukhota; preduprezhdenie i lechenie. Izd.2.
Moskva, Gos.izd-vo med.lit-ry, 1959. 34 p. (MIRA 13:4)
(DEAFNESS)

ALEKSANDROV, I.N., doktor med.nauk; VUL'FSON, S.I., doktor med.nauk;
PREOBRAZHENSKIY, N.A., kand.med.nauk

Professor Vladimir Gertsevich Ginzburg; on his 60th birthday.
Vest.otorin. 21 no.3:104 My-Je '59. (MIRA 12:9)
(BIOGRAPHIES
Ginzburg, Vladimir G. (Rus))

ALEKSANDROV, I.N., doktor med.nauk

Review of F.I. Dobromyl'skii's book "Detecting early forms of tuberculosis of the upper respiratory tract." Vest. otorin. 21 no.5:100-102
S-O '59. (MIRA 13:1)

(RESPIRATORY ORGANS--TUBERCULOSIS) (DOBROMYL'SKII, F.I.)

ALEKSANDROV, I.N. (Kazan')

Microclimatological observations in a regional study club. Geog.v
shkole 24 no.3:37-40 My-Je '61. (MIRA 14:5)
(Kazan--Microclimatology--Study and teaching)

ALEKSANDROV, I.N., doktor med.nauk; TIMOFEYEVA, K.I.

What is Meniere's disease and does it exist as an independent
nosologic unit? Sbor.nauch.-prak.rab.Poliklin.im.F.E.Dzerzh.
no.2:145-151 '61. (MIRA 16:4)

(MENIERE'S DISEASE)

ALEKSANDROV, I.N.

P.I. Krotov as a geographer; 50th anniversary of his
death. Izv. Vses. Geog. ob-va 97 no.5:438-444. S-O '65.
(MIRA 18:11)

ALEKSANDROV, I

Elektrifikatsiia i transport. [Electrification and transport]. (Ino 10 let GOELRO; sbornik statei. Moskva, Gos. izd-vo, 1930).

DLC: TK1193.R9D4

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

FRIDLYAND, A. Sh., ALEKSANDROV, I. N. Eng.

Electric Cutouts

Perfecting automatic frequency cutoffs by using a recloser. Elek. stat., 23, no. 6, 1952.

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

ALEKSANDROV, I. N.

Electrical Engineering Abst.
Vol. 57 No. 676
Apr. 1954
Electrical Engineering

1393. The application of the self-synchronization of synchronous generators to a power system of medium capacity. I. N. ALEKSANDROV AND A. SH. FRIEDLYAND (FRIEDLAND). *Elektr. Staniya*, 1953, No. 9, 36-9. In Russian.

Examples are given of various types of generators from 6 to 15 MW capacity to which the method of self-synchronization has been successfully applied, both when operating in parallel with other generators and in association with power transformers. The special procedure required for a 10 MW, 6.6 kV, 2950 r.p.m., double-wound generator of Ljungström manufacture installed in 1951 is described with oscillograms of current and voltage during self-synchronization. With and without field forcing the current during synchronizing was 2.2 times nominal, persisting for 5 and 20 sec respectively, whilst the voltage on the 110 kV busbars was reduced to 80% nominal for 3 and 17 sec respectively. The authors conclude that this method is very effective in preventing damage in the event of attempts to switch in generators out of synchronism, without any reservation regarding the powers of the already connected and incoming generators. The state of generator insulation is immaterial, but compounding during synchronizing shortens the period of the latter. Finally, it is stated that to avoid spurious operation of relays used for the differential and instantaneous earth fault protection of generators and power transformers, these relays must be supplied from saturated current transformers.

I. MCKERROW

4-31-54 82

ALEXANDER, I. A.

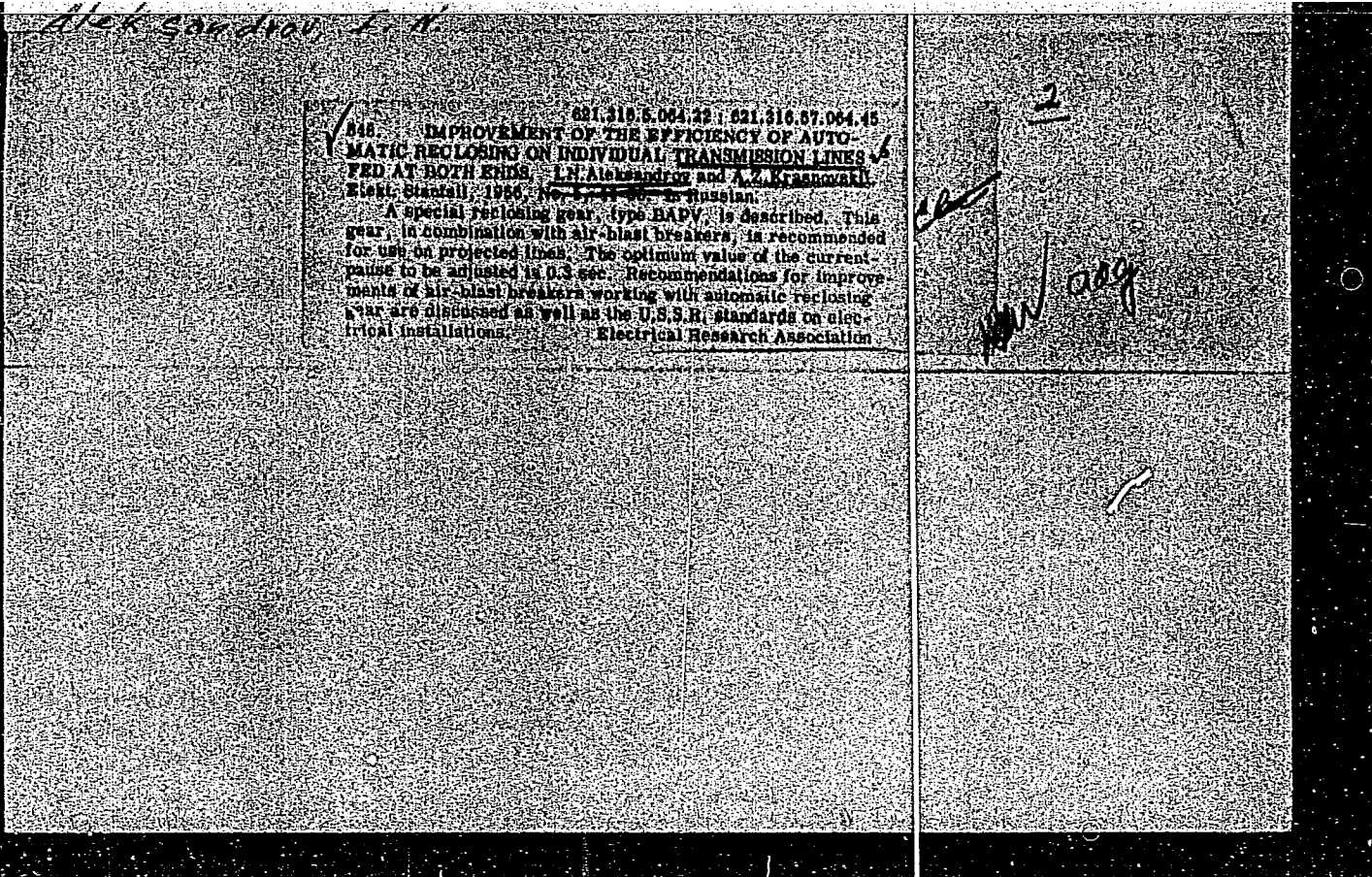
621.316.51 64.22
 3188. Operation of single-phase automatic reclosing on 110 kV dead-end lines. I. N. ALEXANDER. *Elektr. Stanitsi*, 1954, No. 1, 35-40. ~~From the Russian~~
 Single-phase automatic reclosing was introduced on a 100 km line in 1949 and on a 60 km line in 1951. Service was maintained by 1- or 3-ph. reclosing in 96.6%. 3-ph. service on the 110 kV line in 84.6% of the faults. More detailed data on occurrence of thunderstorms and type of faults are tabulated. The secondary voltage was tolerable during 2-ph. service of the 110 kV line (90 hours in 3.5 years) when the 110 kV neutrals of all transformers in the receiving end station were earthed. Asymmetry at the generator was in one case 10-12% when the line constituted 30-35% of the generator load. Individual incidents are discussed and the introduction of 1-ph. reclosing and the appropriate maintenance practices for lines and stations on a larger scale are recommended. F. WUSCHANN

ZAYLIDZON, Ye.D., inzhener; ALEKSANDROV, I.N., inzhener; DERYUGIN, F.F., inzhener;
GALAKTIONOV, A.S., inzhener; RYBKIN, O.L., inzhener; KUCHENUK, A.Ye.,
inzhener; RAKOVICH, A.M., inzhener.

Simplification of relay protection. Elek.sta. 27 no.2:40-48 P '56.
(MLRA 9:6)

1. Tekhnicheskoye upravleniye Ministerstva elektrostansii (for Zaylidzon)
2. Belorussenergo (for Aleksandrov). 3. Chelyabenergo (for Deryugin).
4. Lenergo (for Galaktionov, Rybkin). 5. L'vovskiy energokombinat (for Kuchenuk, Rakovich).

(Electric relays)



MILAKOV, M.Ye., inzhener; BERKOVICH, M.A., inzhener; SEMENOV, V.A., inzhener;
ALEKSANDROV, I.N., inzhener; KOVALEV, G.F., inzhener; ARUTYUNYAN, N.B.,
inzhener.

Gas relay protection of power transformers. Elek.sta.27 no.6:41-45 Je
'56. (MIRA 9:9)

1.Gorenenergo (for Milakov). 2.Mosenergo (for Semenov). 3. Belorussenergo
(for Aleksandrov). 4.Yarenergo (for Kovalev). 5.Armenenergo (for Aru-
tyunyan).

(Electric transformers)

ALEKSANDROV, I.N., inzhener; KRASNOVSKIY, A.Z., inzhener.

Automatic reclosing (AVR-APV) for internal use busbars of electric power stations and busbars of step-down substations. Elek.sta. 28 no.9:54-59 S '57. (MIRA 10:11)

(Electric bus bars)

8(6)

PHASE I BOOK EXPLOITATION

SOV/1876

Aleksandrov, Igor' Nikolayevich, and Andrey Zakharovich Krasnovskiy

Avtomaticheskoye povtornoye vklyucheniye odinochnykh liniy elektroperedachi s dvustoronnim pitaniyem (Automatic Reclosure of Single Electric Transmission Lines With Two-way Feed) Moscow, Gosenergoizdat, 1958. 94 p. (Series: Iz opyta sovetskoy energetiki) 8,500 copies printed.

Ed.: S. Ye. Stepunin; Tech. Ed.: G. Ye. Larionov.

PURPOSE: This book is intended for engineers and technicians working with relay protection and automatic control of electric power systems.

COVERAGE: The authors describe the characteristics of automatic reclosure of single electric transmission lines with two-way feed. They explain the processes occurring when two sections of an electric power system are connected or disconnected under emergency conditions. Diagrams of systems for automatic reclosing

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Automatic Reclosure (Cont.)

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Automatic Reclosure (Cont.)

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Automatic Reclosure (Cont.)

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Card 5/5

JP/dfh
8-10-59

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Protection and automatic reclosing of high-voltage busbars at
electric substations and power plants. Elek. sta. 31 no.3:56-60
Mr '60. (MIRA13:8)

(Electric substations) (Electric power plants)
(Electric switchgear)

ALEKSANDROV, I.N., inzh.; PEKELIS, V.G., inzh.

Automatic voltage regulation in the feed centers of power
distribution networks. Elek. sta. 34 no.9:31-34 S '63.
(MIRA 16:10)

ALEKSANDROV, I. S.

DECEASED

1963/4

12'ya Stepanovich

(1902-1960)

PHYSIOLOGY

(1960)

obituary - Farm i Toka 24 No. 1, 1961 p. 127

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ																									
ALEKSANDROV, I. V.																									
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<p>Phenylation and tolylation of 8-amino-1-naphthalene-sulfonic acid. I. V. Aleksandrov. Russ. 46,027, May 31, 1935. The reaction is carried out with aniline at ordinary pressure with heating and in the absence of O or other oxidizing gases.</p>																									
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<p>Removing resins formed in the preparation of phenyl- (or tolyl)-1,8-naphthylaminesulfonic acid. I. V. Aleksan- drov, A. P. Novoselov and A. I. Lapin. Russ. 62,471, Jan. 31, 1938. The resins are removed by the introduc- tion of MgO and a reducing agent such as hyposulfite toward the end of the steam-distn. of the excess aniline.</p>																																																																															
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ALEXANDROV, I. V.

4-5-6
 Formation of azine dyes in color development. Dependence of the reactivity of derivatives of 1,3-phenylenediamine on their structure under the conditions of color development. I. V. Alexandrov. *Zhur. Nauch. i Priklad. Fot. i Kineematog.* 2, 101-7 (1957); cf. Schmidt, *ibid.*, C.A. 47, 10385c. — Pos. film was exposed in a sensitometer and developed 10 min. (except as stated) in a diethyl-p-phenylenediamine color developer of given compn. in which the color-forming component was one of the following: 1,3-phenylenediamine (I), 2,4-diaminotoluene (II), 3,5-diaminotoluene (III), 3,5-diamino-1,2-xylene (IV), 2,6-diamino-1,4-xylene (V), 3,5-diaminopseudocumene (VI), 3-(p-tolylsulfonamido)-aniline (VII), 4-(p-tolylsulfonamido)-2-toluidine (VIII), 2-(p-tolylsulfonamido)-4-toluidine (IX), 1,3-bis(p-tolylsulfonamido)benzene (X), 1,3-bis(p-tolylsulfonamido)benzene (XI), 2,4-bis(p-tolylsulfonamido)toluene (XII), 2,6-bis(p-tolylsulfonamido)-1,2-xylene (XIII). After clearing, the max. optical d. of the resulting dye and the wave length of its spectral absorption max. (λ) were measured. Tabulated values of max. d. and λ (in m μ) in that order for dyes formed by the given components are: I, very low (90 hrs. development); II, very low (72 hrs. development); III, very low; IV, low; V, very low; VI, very low; VII, 0.19, 496; VIII, 0.31, 504; IX, very low; X, 0.29, 503; XI, 0.33, 505; XII, 0.91, 516; XIII, 1.35, 521. Similar data are tabulated for cases where the color-forming components were nondiffusing arylsulfonamido derivatives of I and IV. Introduction of arylsulfonamido radicals into the amino groups of I and its derivs. sharply increases their reactivity. Introduction of the Me group at the 2-position of substituted 1,3-phenylenediamines sharply decreases their reactivity, apparently owing to steric hindrance.

J. W. L. Swick, Jr.

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2 77

Aleksandrov, I.V.
ALEKSANDROV, I.V.

Study of the formation of azine dyes during color development.
Part 2: The structure of azine dyes from arylsulfonyl derivatives
of M-diamines of the benzene series. Zhur.nauch.i prikl.fot.i
kin. 2 no.6:432-436 N-D '57. (MIRA 10:12)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley im. K.Ye.Voroshilova.
(Color photography) (Dyes and dyeing)

ALEKSANDROV, I. V., Candidate Chem Sci (diss) -- "Investigation of the process of forming azo dyes in the colored form". Moscow, 1959. 12 pp (Min Culture USSR, All-Union Sci Res Cinephotographic Inst), 150 copies (KL, No 24, 1959, 127)

ALWSENBERG, I.V.

Investigation in the field of phenylene- and naphthalene-
derivatives. Part I. 1.1. Aromatic derivatives of 1,2-
phenylenediamine. 196-206 1991
(MIRA 1/191)

(Phenylenediamine)

ALEXANDER, J.V.

Investigation in the field of phenylene and methylphenylamine
derivatives. Report No. 12-000-0000, 12-000-0000, 12-000-0000
1,2 and 1,4-phenylene diamine. (M. 12-000-0000) (M. 14-10)
213 121.

(M. 14-10)

ALEKSANDROV, I. V.; KAGANOVSKAYA, A. N.

Investigation in the field of phenylene- and naphthylenediamine derivatives. Report No.3: Aroylacetyl derivatives of the 1,3- and 1,4-phenylenediamine. Org. poluprod. i kras. no.1:214-221 '59. (MIRA 14:11)

(Phenylenediamine)
(Aroyl group)
(Acetyl group)

7.3:10

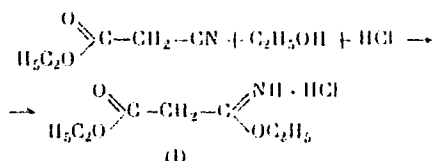
309/30-55-5-11/47

AUTHORS: Shirokova, N. I., Kravtsov, T. V., Aleksandrov, I. V.

TITLE: Brief Communications. Concerning the Preparation of Monomidomalonate Ester Hydrochloride

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 3, pp 746-748 (USSR)

ABSTRACT: Monomidomalonate ester hydrochloride (I) was obtained easily and in good yield by passing HCl gas through equimolar amounts of ethyl cyanoacetate and absolute ethanol in benzene or CCl₄ at 0-5° C.



Card 1/2

In benzene, the reaction gave I in 72-77% yield

Brief Communications. Concerning the
Preparation of Monoimidomalonic Ester
Hydrochloride

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(mp 99-101° C); in CCl₄, the yield was 71.6-79%
(mp 100-101° C.) When it is not necessary to obtain
I in solid form, the reaction can be conducted in
absolute chloroform in which I is readily soluble.
The yield in this instance reached 94%. There are
4 references, 2 U.S., 1 German, 1 Soviet. The U.S.
references are: A. Weisberger, H. Porter, J. Am.
Chem. Soc., 66, 1849 (1944); S. A. Glickman, A. C.
Cope, *ibid.*, 67, 1017 (1945).

SUBMITTED: May 11, 1959

Card 2/2

ALEKSANDROV, I.V.; KRASNOVA, T.V.

Investigation in the field of phenylene- and naphthylenediamine
derivatives. Report No.4: Derivatives of 1,3-naphthylenediamine.
Org. poluprod. i kras. no.2:118-123 '61. (MIRA 14:11)
(~~Naphthalen~~enediamine)

ALEKSANDROV, I.V.; KAGANOVSKAYA, A.N.

Investigation in the field of phenylene-and naphthylenediamine derivatives. Report No.5: Synthesis of 3,5- diamino-1,2,4-trimethylbenzene. Org. poluprod. i kras. no.2:124-127 '61. (MIRA 14:11)
(Benzene)

ALEKSANDROV, I.V.; KAGANOVSKAYA, A.N.

Synthesis of 4-nitroanthranilic acid. Org. poluprod. 1 kras. no.2:
146-147 '61. (MIRA 14:11)
(Anthranilic acid)

ALEKSANDROV, I.V.; ABRAUDUSHKIN, Yu.S.
APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100820016-3"

3-Aminophenol derivatives. Part 1: N-Arylsulfonyl and N-benzoyl
derivatives of 3-aminophenol and its homologues. Zhur.ob.khim. 30
no.10:3407-3412 O '61. (MIRA 14:4)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i
krasiteley.

(Phenol)

ALEKSANDROV, I.V.; ABRADUSHKIN, Yu.S.

Derivatives of 3-aminophenol. Part 2: O-benzenesulfonyl and O,N-di
(benzenesulfonyl) derivatives of 3-aminophenol and its homologues.
Zhur. ob. khim. 31 no. 11:3610-3614 N '61. (MIRA 14:11)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley.

(Phenol)