DOKUCHAEV, G. K., Feldsher

Public Health

Excellent health station. Fel'd. i akush. No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

DOKUCHAYEV, G. K., Feldsher

Physicians in Literature

The feldsher in Soviet literature. Fel'd. i akush. No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

1. DOKUCHAYEV, ~~Feldsher~~ G. K.

2. USSR (600)

4. Physicians

7. Ivan Mikhaylovich Belitskiy. Fel'd i akush. No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

DOKUCHAYEV, G. K.

Concharova, Yuliya Andreevna

Nurse Yu. A. Concharova. Med. sestra No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

DOKUCHAYEV, G.K., fel'dsher.

Zoia Ivanova Mal'chikova. Fel'd.i akush. no.2:58-60 F '54.
(MLRA 7:2)
(Mal'chikova, Zoia Ivanova, 1923-)

DOKUCHAYEV, G.K., fel'dsher (L'vov).

Participation of feldshers and midwives in the periodical "Fel'dsher i Akusherka." Fel'd.i akush. no.2:61-62 F '54. (MLRA 7:2)

(Medicine--Periodicals) (Obstetrics--Periodicals)

DOKUCHAYEV, G.K., fel'dsher

Our journal. Fel'd.i akush. no.4:61-63 Ap '55. (MLRA 8:7)
(MEDICINE--PERIODICALS)

DOKUCHAYEV, G.K., fel'dsher (L'vov)

Tat'iana Timofeevna Dem'ianova. Med.sestra no.2:28-29 F '55.
(MLRA 8:5)

(BIOGRAPHIES,
Dem'ianova, Tat'iana T.)

DOKUCHAYEV, G.K. (L'vov)

Conference of senior nurses of L'vov Railroad medical institutions.
Med. sestra no.11:31 N '55. (MLRA 9:3)

(NURSES AND NURSING)

YAFAYEV, R.Kh.; DOKUCHAYEV, G.M.

Specific seroprophylaxis for influenza in an organized group. Vop. virus. 6 no.5:627-628 S-O '61. (MIRA 15:1)
(INFLUENZA)

YAFAYEV, Ya.Kh.; DOKUCHAYEV, G.M.; OGNEVA, L.A.

Active immunization against influenza in organized groups during the 1959 epidemic. Vop. virus. 6 no.5:630 S-O '61. (MIRA 15:1)
(INFLUENZA)

SMORODINTSEV, A.A.; BUROV, S.A.; DOKUCHAYEV, G.M.; MINCHEV, P.N.; FILIPPOV, N.A.; CHALKINA, O.M.

Influence of the number of vaccinations on the epidemiological effectiveness of live influenza vaccine. Vop. virus. 8 no.3: 286-291 My-Je '63. (MIRA 16:10)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.
(INFLUENZA--PREVENTIVE INOCULATION)

DOKUCHAYEV, G.M., podpolkovnik meditsinskoy sluzhby

Immunological effectiveness of bivalent influenza vaccine in its three-stage introduction. Voen.-med.zhur. no.1:60-64 '65.
(MIRA 18:10)

ACCESSION NR: AP4013388 S/0040/64/028/001/0151/0154

AUTHOR: Dokuchayev, L. V. (Moscow)

TITLE: Solution for the boundary value problem for oscillating fluids in conical strips

SOURCE: Prikladnaya matematika i mekhanika, v. 28, no. 1, 1964, 151-154

TOPIC TAGS: boundary value problem, oscillating fluid, conical strip, Ritz method, separation of variables, analytic solution, variational method, ideal incompressible fluid

ABSTRACT: The problem of determining the dynamic characteristics of oscillating fluids which partially fill a cylindrical strip has been solved by several authors. Frequency values of the free oscillations in shallow fluid in a conical bottom with large angles of opening have been obtained by a variational method. The author gives an analytic solution for the problem of oscillations of an ideal imcompressible fluid in a moving cone with small angle of opening, and he determines (by a variational method) not only the frequencies but also the associated mass of the

Card 1/2

ACCESSION NR: AP4013388

fluid in strips with any angle of opening. "The author extends his gratitude to B. I. Rabinovich for his attention to this work." Orig. art. has: 4 figures and 16 formulas.

ASSOCIATION: none

SUBMITTED: 13May63 DATE ACQ: 26Feb64 ENCL: 00

SUB CODE: MM NO REF SOV: 001 OTHER: 001

Card 2/2

DOKUCHAYEV, L.V. (Moskva)

Added inertia moment of a fluid in a cylinder having partitions and rotating around the longitudinal axis. Izv. AN SSSR. Mekh. i mashinostr. no. 2:168-171 Mr-Ap '64. (MIRA 17:5)

L 43199-65 EWP(m)/EPF(n)-2/EWG(v)/EWT(1)/EWT(m)/FS(v)-3/EEC(a)/EEC(j)/EEC(r)/
EWA(d)/EWP(w) Pd-1/Pe-5/Pg-4/Pu-4/Po-4/Pq-4 EM/GW/WW

ACCESSION NR: AP5009436 UR/0293/65/003/002/

AUTHOR: Rabinovich, B. I.; Dokuchayev, L. V.; Tolyakova,

TITLE: [illegible] coefficients of equations of [illegible]
[illegible] [illegible] [illegible]

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 2, 1965, [illegible]

TOPIC TAGS: rocket dynamics, liquid fuel rocket engine [illegible]
[illegible]

ABSTRACT: [illegible] presents numerical [illegible]
[illegible]

[illegible]
value [illegible] linearized equations of [illegible]
written for [illegible] arbitrary [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
study [illegible] having [illegible]

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ACCESSION NR: AP5009636

and coaxial partitions and also spherical, conical, ... cavities. ... hydrodynamic coefficients were ... dependent ... a method ... the method ... papers and the ... hydrodynamic coefficients ... high-speed ... digital computers were ... authors consider that the numerical results obtained ... studying the stability of space vehicles and that they ... to cases of rigid bodies having more complex cavities. ... has: 20 figures and 68 formulas.

ASSOCIATION: none

SUBMITTED: 06Mar64 ENCL: 00 SUB CODE: AS, ME
NO REF SOV: 014 OTHER: 008 ATD PRESS: 3242

Card 2/2

L 63270-65

ACCESSION NR: AP5016240 UR/0373/65/000/003/0149/0155

AUTHOR: [illegible]

TITLE: Equat[illegible] of [illegible] vibrations of a shell partially [illegible]

SOURCE: AN [illegible] Mekhanika, no. [illegible], 1965, [illegible]

TOPIC TAGS: shell vibration, fluid vibration

ABSTRACT: The work of B. I. Rabinovich (Ob uravneniyakh uprugikh kolebaniy tonkostennykh sterzhney s zhidkim zapolneniyem pri nalichii svobodnoy poverkhnosti. Izv. AN SSSR, OTN, Mekhanika i mashinostroyeniye 1959, No. 4) and U. S. Lindholm, W. H. Chu, J. D. Kana, and H. N. Abramson (Bending Vibrations of a Circular Cylindrical Shell with an Internal Liquid. AIAA Jour., 1963, vol. [illegible], 2092-2099) on vibrations of cylindrical shells was extended to arbitrary [illegible] revolution partially filled with a liquid (having a free surface). The [illegible] equation for the case of shells was supplemented to include the [illegible] fluid forces and moments. The fluid forces, moments, and forces due to [illegible] motion (potential flow) were expressed on the boundaries of the [illegible] equations. The potential of the fluid displacement was expressed as the sum of two functions, one of which satisfies the boundary conditions on the [illegible]

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L 63270-65

ACCESSION NR: AP5016240

surfaces while the other corresponds to the free oscillations of the fluid. Using the Galerkin method, the partial differential-integral equations were [illegible] an infinite set of ordinary differential equations. Simplified equations for the case of a right shell and a cylindrical shell [illegible] obtained.

Card 2/2

DOKUCHAYEV, Mikhail Moiseyevich, doktor tekhn. nauk, spetsialist-vzryvnik; SHUMKOV, V.A., red.

[Avalanche, stop! Recollections of a blaster] Lavina, ostanovis'! Vospominaniia vzryvnika. Moskva, Sovetskaia Rossiia, 1965. 146 p. (MIRA 18:9)

DOKUCHAYEV I

PONOMAREV, Ye.; LIKHOSHERSTOV, M.; DOKUCHAYEV, I.

Past and present. Muk.-elev. prom. 23 no.11:30-31 N '57. (MIRA 11:1)

1. TSentral'noye byuro tekhnicheskoy informatsii Ministerstva khleboproduktov SSSR (for Ponomarev). 2. Upravleniye elevatorno-skladskogo khozyaystva Ministerstva khleboproduktov SSSR (for Likhosherstov). 3. Novocherkasskiy mekhanicheskiy zavod (for Dokuchayev).

(Grain milling) (Grain--Storage)

DOKUCHAYEV, M. M., FEDOROV, I. S., and POKROVSKIY, G.I.

"Theory and Practice of the Building of Dams by Directed Explosions," State publishing House of Literature on Construction and Architecture, Moscow, 1951, 120 pp.

DOKUCHAYEV, M. M.

DOLUCHAYEV, M. J.,

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 265 - I

BOOK Call No. : TN279.B33

Authors: BARON, L. I., VASIL'YEV, G. A., DOKUCHAYEV, M. M., KRASNOPEROV, A. A., Mining engineers.

Full Title: BLASTING

Transliterated Title: Vzryvnyye raboty

Publishing Data

Originating Agency: None

Publishing House: State Publishing House on Structural Materials

Date: 1953 No. pp.: 323 No. of copies: 4,000

Editorial Staff

Editor: Baron, L. I., Doctor of Technical Sciences Tech. Ed.: None

Editor-in-Chief: None Appraiser: None

Text Data

Coverage: This is a textbook prepared for use with a course in "Blasting" given in technical colleges of the Ministry for the Building Materials Industry in the USSR. The main emphasis is put on blasting in open-cut exploitations. The methods used in underground mining are outlined to a lesser extent. The theory and technology of blasting presented is based mainly on the experiences of the Main Office for Blasting

Works in Industry (Glavvzryvprom), formerly the All-Union Drilling and Blasting Trust (Soyuzvzryvprom).

This textbook does not treat the properties of explosives, or drilling, safety measures, and standardization because all those problems constitute different separate courses. The problem of blasting is covered in detail with many empirical formulas.

This is a comprehensive outline of all aspects of blasting which cannot easily be found in American literature.

DOKUCHAYEV, M.M

SERGEYEV, A.A., red.; ANPILOGOV, I.M., red.; ASSONOV, V.A., red.; BABAYANTS, N.A., red.; BABOKIN, I.A., red.; BALAMUTOV, A.D., red.; BOGOROD-SKIY, N.N., red.; BOLOHENKO, D.N., red.; BUCHNEV, V.K., red.; VAKHMINTSEV, G.S., red.; VORONKOV, A.K., red.; GARKALENKO, K.I., red.; GORBATOV, P.Ye.; red.; GOLOVLEV, V.Ya., red.; DOKUCHAYEV, M.M., red.; DUBNOV, L.V., red.; YEVTEYEV, A.D., red.; YEREMENKO, Ye.K., red.; ZENIN, N.I., red.; KRIVONOGOV, K.K., red.; KUPALOV-YAROPOLK, I.K., red.; MATSYUK, V.G., red.; NIKOLAYEV, S.I., red.; ONISHCHUK, K.N., red.; PETROV, K.P., red.; PILYUGIN, B.A., red.; PLATONOVA, A.A., red.; POLESIN, Ya.L., red.; POKROVSKIY, L.A., red.; POMETUN, D.Ye., red.; POLYUSHKIN, A.Kh., red.; REYKHER, V.P., red.; SEDOV, N.A., red.; SIDORENKO, I.T., red.; FIDELEV, A.A., red.; CHAKHMAKHCHEV, A.G., red.; CHEMODUROV, M.Ya., red.; SHUMAKOV, A.A., red.; YARE-MENKO, N.Ye., red.; PARTSEVSKIY, V.N., red.izd-va; ATTOPOVICH, M.K., tekhn.red.

[Standard safety regulations for blasting operations] Edinye pravila bezopasnosti pri vzryvnykh rabotakh. Izd.2. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1958. 318 p. (MIRA 13:1)

1. Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Mining engineering--Safety measures)

DOKUCHAYEV, M.M., inzh.; KOBZEV, A.I., inzh.

Constructing dams by the method of directed blasting. Mov. tekh. i pered. op. v stroi. 20 no.9:15-17 S '58. (MIRA 11:10)
(Dams) (Blasting)

DOKUCHAYEV, M.M.

ANDROS, I.P., inzh.; ASSONOV, V.A., kand. tekhn. nauk.; BERNSHTEYN, S.A., inzh.; BOKIY, B.V., prof.; BROVMAN, Ya.V., inzh. BONDARENKO, A.P., inzh.; BUCHNEV, V.K., kand. tekhn. nauk; VERESKUNOV, G.P., kand. tekhn. nauk; VOLKOV, A.F., inzh.; GELESKUL, M.N., kand. tekhn. nauk; GORODNICHEV, V.M., inzh.; DEMENT'YEV, A.Ya., inzh.; DOKUCHAYEV, M.M., inzh.; DUBNOV, L.V., kand. tekhn. nauk; YEPIFANTSEV, Yu.K., kand. tekhn. nauk.; YERASHKO, I.S., inzh.; ZHEDANOV, S.A., kand. tekhn. nauk; ZIL'BERBROD, A.F., inzh.; ZINCHENKO, E.M., inzh.; ZORI, A.S., inzh.; KAPLAN, L.B., inzh.; KATSAUROV, I.N., dots.; KITAYSKIY, E.V., inzh.; KRAVTSOV, Ye.P., inzh.; KRIVOROG, S.A., inzh.; KRINITSKIY, L.M., kand. tekhn. nayk; LITVIN, A.Z., inzh.; MALEVICH, N.A., kand. tekhn. nauk; MAN'KOVSKIY, G.I., doktor tekhn. nauk; MATKOVSKIY, A.L., inzh.; MINDELI, E.O., kand. tekhn. nauk; NAZAROV, P.P., kand. tekhn. nauk; NASONOV, I.D., kand. tekhn. nauk; NEYYENBURG, V.Ye., kand. tekhn. nauk; POKROVSKIY, G.I., prof., doktor tekhn. nauk; PROYAVKIN, E.T., kand. tekhn. nauk; ROZENBAUM, inzh.; ROSSI, B.D., kand. tekhn. nauk; SEMEVSKIY, V.N., doktor tekhn. nauk; SKIBGELLO, O.B., inzh.; SUKHUT, A.A., inzh.; SUKHANOV, A.F., prof., doktor tekhn. nauk; TARANOV, P.Ya., kand. tekhn. nauk; TOKAROVSKIY, D.I., inzh.; TRUPAK, N.G., prof., doktor tekhn. nauk; FEDOROV, S.A., prof., doktor tekhn. nauk; FEDYUKIN, V.A., inzh.; KHOKHLOVKIN, D.M., inzh.; KHRABROV, N.I., kand. tekhn. nauk; CHEKAREV, V.A., inzh.; CHERNAVKIN, N.N., inzh.; SHREYBER, B.P., kand. tekhn. nauk; EPOV, B.A., kand. tekhn. nauk; YAKUSHIN, N.P., kand. tekhn. nauk; YANCHUR, A.M., inzh.; YAKHONTOV, A.D., inzh.; POKROVSKIY, N.M., otvetstvennyy red.; KAPLUN, Ya.G. [deceased], red.; MONIN, G.I., red.; SAVITSKIY, V.T.,

(Continued on next card)

ANDROS, I.P.---(continued) Card 2.
red.; SANOVICH, P.O., red.; VOLOVICH, M.Z., inzh., red.; GORITSKIY, A.V., inzh., red.; POLUYANOV, V.A., inzh., red.; FADEYEV, E.I., inzh., red.; CHECHKOV, L.V., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.; NADEINSKAYA, A.A., tekhn. red.

[Mining; an encyclopaedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M. Terpigorev. Moskva, Gos. nauchno-tekhnicheskoe izd-vo lit-ry po ugol'noi promyshl. Vol.4 [Mining and timbering] Provedenie i kreplenie gornykh vyrabotok. Red-kollegiia toma: N.M.Pokrovskii... 1958. 464 p. (MIRA 11:7)

(Mine timbering) (Mining engineering)

BARANOV, Yevgeniy Gerasimovich, kand.tekhn.nauk; DANCHEV, Pavel Stepanovich, kand.tekhn.nauk; IVANOV, Konstantin Ivanovich, kand.tekhn.nauk; MAL'CHONOK, Vladimir Olimpiyevich, kand.tekhn.nauk; PASHKOV, Aleksey Dmitriyevich, kand.tekhn.nauk; KHANUKAYEV, Aleksandr Nisanovich, kand.tekhn.nauk; DOKUCHAYEV, M.M., retsenzent; PAVLOV, K.V., otv. red.; KOROLEVA, T.I., red.izd-va; SABITOV, A., tekhn.red.

[Investigation of boring and blasting processes; using motion-picture photography] Issledovanie protsessov bureniia i vzryvaniia; s primeneniem kinos"emki. Moskva, Ugletekhizdat, 1959. 186 p. (MIRA 12:8)

(Boring) (Blasting) (Motion-pictures in industry)

YAKHONTOV, Aleksey Dmitriyevich; DOKUCHAYEV, M.M., gornyy inzhener, retsenzent; ROMADINOV, A.V., gornyy inzhener, retsenzent; NADION, M.F., red.; AVSEYENOK, A.F., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Blasting operations and explosive materials] Vzryvnye raboty i vzryvchatye materialy; uchebnoe posobie dlia proizvodstvenno-tekhnicheskogo obucheniia vzryvnikov. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1959. 328 p. (MIRA 12:10)
(Blasting) (Explosives)

BASMANOV, V.A.; BOROVIK, I.P.; GUSEV, S.G.; DOKUCHAYEV, M.M.; KUKUNOV, I.M.; PETROV, S.P.; DORONICHEVA, L.A., nauchnyy red.; FEDOROVA, T.N., red.izd-va; GILENSON, P.G., tekhn.red.; RUDAKOVA, N.I., tekhn.red.

[Opencast mining and blasting operations] Otkrytye gornye i vzryvnye raboty. Pod red. I.M.Kukunova. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 335 p. (MIRA 13:4)

(Strip mining) (Blasting)

MEL'NIKOV, N.V., red.; ASSONOV, V.A., red.; BARON, L.I., red.; DEMIDYUK, kand.tekhn.nauk; red.; DOKUCHAYEV, M.M., gornyy inzh., red.; PETROV, N.G., kand.tekhn.nauk, red.; SOSEDOV, O.O., red.; KHARLAMOV, T.F., red.; MAKSIMOVA, Ye.P., red.; RATNIKOVA, A.P., red.izd-va; SHKLYAR, S.Ya., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

[Improvements in boring and blasting operations in the mining industry; transactions of the Scientific and Technical Conference on Boring and Blasting Operations] Trudy Nauchno-tekhnicheskogo soveshchaniya po burovzryvnym rabotam: Sovershenstvovanie burovzryvnykh rabot v gornoi promyshlennosti. Pod red. N.V.Mel'nikova. Moskva, Ugletekhizdat, 1959. 443 p. (MIRA 12:4)

1. Nauchno-tekhnicheskoye soveshchaniye po burovzryvnym rabotam, 3d, Moscow, 1958. 2. Chlen-korrespondent AN SSSR (for Mel'nikov). 3. Institut gornogo dela AN SSSR (for Demidyuk). 4. Vsesoyuznyy trest po burovym i vzryvnym rabotam (for Dokuchayev). 5.Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut (for Petrov).
(Boring) (Blasting)

DOKUCHAYEV, M.M., inzh.; VASIL'YEV, G.A., inzh.

Uncovering mountain deposits by means of large-scale throw blasting. Izv.vys.ucheb.zav.; gor.zhur. no.7:53-62 '59.
(MIRA 13:4)

1. Vsesoyuznyy trest po burovym i vzryvnym rabotam (Soyuzvzryvprom). Rekomendovana kafedroy gornykh mashin i rudnichnogo transporta Sverdlovskogo gornogo instituta.
(Mining engineering)

BARON, Lazar' Izrailevich, prof., doktor tekhn.nauk, red.; DOKUCHAYEV, Mikhail Moiseyevich; VASIL'YEV, Georgiy Aleksandrovich; DORONICHEVA, Lyudmila Arkad'yevna; SLASTUNOV, V.G., gornyy inzh., retsenzent; ROMADINOV, A.I., gornyy inzh., retsenzent; YAKHONTOV, A.D., otv.red.; SIPYAGINA, Z.A., red.izd-va; KOROVENKOVA, Z.A., tekhn.red.

[Blasting operations in ore mining; a handbook] Vzryvnye raboty v gornorudnoi promyshlennosti; spravochnoe posobie. Pod red. L.I. Barona. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 181 p. (MIRA 13:3)
(Mining engineering)

NEDIN, Valentin Vasil'yevich; IBRAYEV, Shaymardan Ibrayevich; DOKUCHAYEV, M.M., inzh.; BARON, L.I., doktor tekhn.nauk, otv.red.; GRISHAYENKO, M.I., red.izd-va; KONDRAT'YEVA, M.A., tekhn.red.

[Boring and blasting operations] Burovzryvnye raboty. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 356 p. (MIRA 13:4)

(Boring) (Blasting)

ASSONOV, V.A.; DOKUCHAYEV, M.M.; KUKUNOV, I.M.; NIKOLAYEV, N.A., retsenzent; ROSSI, B.D., retsenzent; SINYAKIN, P.V., retsenzent [deceased]; DEMIDYUK, G.P., kand.tekhn.nauk, nauchnyy red.; GOMOZOVA, N.A., red.izd-va; STEPANOVA, E.S., tekhn.red.; RUDAKOVA, N.I., tekhn.red.

[Boring and blasting operations] Burovzryvnye raboty. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 406 p. (MIRA 13:5)

(Boring) (Blasting)

DOKUCHAYEV, M.M., inzh.

Loosening frozen ground by blasting. Stroi. i dor. mash. 6 no.10:24 O '61. (MIRA 14:10)
(Boring machinery)
(Frozen ground)
(Blasting)

DOKUCHAYEV, M.M.; VASIL'YEV, G.A.; DORONICHEVA, L.A.; MEL'NIKOV, N.V., akademik, red.; GOMOZOVA, N.A., red. izd-va; KASIMOV, D.Ya., tekhn. red.; GOL'BERG, T.M., tekhn. red.

[Handbook on drilling and blasting in construction] Spravochnik po burovzryvnym rabotam na stroitel'stve. Moskva, Gosstroiizdat, 1962. 392 p. (MIRA 15:12)

(Boring) (Blasting)

DOKUCHAYEV, M.M.

Doubling an electrical blasting network. Vzryv.rab. no.3:132-137 '56. (MIRA 16:2)

(Blasting) (Electric networks)

L 23570-65 EWT(1) GW

AM4033963 BOOK EXPLOITATION S/

Dokuchayev, Mikhail Moiseyevich; Rodionov, Vladimir Nikolayevich; [illegible] Nikolayevich

Ejection explosion (Vzryv na vybros) Moscow, Izd-vo AN SSSR, 1963. 104 p. [illegible], biblio. Errata slip inserted. 1200 copies printed. (At head of title: Akademiya nauk SSSR. Institut fiziki Zemli)

TOPIC TAGS: explosive, explosive throwout, explosive theory

PURPOSE AND COVERAGE: This monograph is intended for blasting engineers and technicians and for scientific personnel engaged in research on explosives and explosion effects. An attempt is made to summarize the results of experimental explosions carried out in the USSR during the period 1957--59. The material is presented in two parts. Part I deals with general laws governing explosions in the ground based on small experimental blasts in sand. In Part II, results of throwout explosions using charges from 100 kg to 1000 tons are evaluated.

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SUB CODE: WA, ES SUBMITTED: 27Nov63 NO REF SOV: 023

OTHER: 001

Card 4/4

GUSHCHIN, Vitaliy Ivanovich; DOKUCHAYEV, M.M., inzh., retsenzent; LYUBIMOV, N.G., otv. red.; LAVRENT'YEVA, L.G., tekhn. red.

[Handbook for the blaster in open-pit mines] Spravochnik vzryvnika na kar'ere. Moskva, Gosgortekhizdat, 1963. 202 p. (MIRA 16.6)

(Blasting)

POKROVSKIY, Georgiy Iosifovich, prof., doktor tekhn. nauk; FEDOROV, Il'ya Sergeyevich, prof., doktor tekhn. nauk; DOKUCHAYEV, Mikhail Moiseyevich, doktor tekhn.nauk; SHERSHUKOVA, M.A., red.izd-va; SHERSTNEVA, N.V., tekhn. red.

[Using directed blasting in hydraulic engineering] Primenenie napravlennogo vzryva v gidrotekhnicheskom stroitel'stva. Izd.2., dop. i perer. Moskva, Gosstroiizdat, 1963. 222 p. (MIRA 16:12)

(Hydraulic engineering) (Blasting)

PETROV, Nikolay Grigor'yevich; ZUBKOV, P.N., retsenzent; OSIPOV, M.T., retsenzent; DOKUCHAYEV, M.M., retsenzent; DAVYDOV, S.A., otv. red.

[Short-delay blasting in mines] Korotkozamedlennoe vzryvanie v shakhtakh. Moskva, Nedra, 1964. 142 p. (MIRA 17:6)

DOKUCHAYEV, M.S., polkovnik zapasa; KONDRAT'YEV, N.L., red.; MEDNIKOVA, A.N., tekhn. red.

[Selection and equipping of observation posts and firing positions in the artillery] Vybor i oborudovanie nabliudatel'nykh punktov i ognevykh pozitsii v artillerii. Moskva, Voenizdat, 1963. 60 p. (MIRA 16:7)

(Artillery)

DOKUCHAYEV, N.

PA 164T77

USSR/Radio - DOSARM Jul 50
Radiofication

"Unutilized Possibilities (Notes on the Work of the Kiev Radio Club)," N. Dokuchayev

"Radio" No 7, pp 10-11

Praises group of Kiev radio amateurs for aiding radiofication by teaching inhabitants of Zarayka, Parkhmovka, and Ruda villages and kolkhozes to make their own equipment. Criticizes Kiev Radio Club and other for not keeping in touch with radio circles, schools, etc., and for letting interest, especially in short waves, die out for

164T77

USSR/Radio - DOSARM Jul 50
(Contd)

lack of instruction. Kiev DOSARM and State Committee of Ukrainian DOSARM must supply these needs.

164T77

DOKUCHAYEV, N.

USSR/Electronics - Clubs, Dosaaf Jul 52

"In the L'vov Dosaaf Radio Club," N. Dokuchayev

"Radio" No 7, pp 21-24

Describes work of L'vov radio club. The chairman of the club's council, Golubov, is an instructor in a communications tech school. Vice-chairman is Konyukhov; council members are Tsapin, Kashin, Zuyev, and Volobuyev. Tech consultant is Velichko, Dr Tech Sci. Afanas'yev, Chief Engr, L'vov Wire Broadcasting Network Admin, was removed from the council because he did not participate in club activities.

226T5

DOKUCHAYEV, N.

DOKUCHAYOFF, N.

N. DOKUCHAYOFF is the author of an article, "Striving for the Goal". (Viewing of a telecast on a set with mechanical unfolding of the image 'Nipkov's disc', the principle of which was suggested as far back as 1880 by the Russian scientist P.L. Bakhmetyev. Those who have fifteen-twenty years of radio amateur experience behind them, may remember how with the help of clockworks, knitting needles and other similar "parts" we assembled the first television set. The desire to insure good reception of the Moscow television center telecasts at large distances occupies the minds of many radio amateurs. The work of radio amateurs B.N. Gorshkov and V.L. Moskalev in the creation of a rebroadcasting station is an example of persistent research, of striving to apply one's long radio amateur experience for the good of the Fatherland.)

SO: 2110257 Air, Di, ATIC, F-TS-8005, Oct. '52 (Excerpts from Russian Radio Magazine, No. 10, October, 1952)

DOKUCHAYEV, N.

N. DOKUCHAYOFF is the author of an article, "How to arrange the exhibits for the Eleventh All-Union Radio Exhibition". (V.Yakovlyev, E. Drizgo, U.Panov, L.Salomatov, who are preparing very high frequency (VHF) F.M. adapters to the receivers of the 1st and 2nd class and the KVN-49 television receiver, are also building a 3-tube VHF F.M. receiver along the lines of the popular receiver designed for longrange reception of the Moscow Broadcasting Center. In conjunction with the committee for radio information, the Dosaaf club board has made an agitation-propaganda tour with a mobile radio exhibition through the eastern regions of the republic. The radio club Dosaaf 'Voluntary Society for assistance to the Army, Airforce and Navy' in Kiev is taking stock of the exhibits that are being prepared for the 11th All-Union radio exhibition.)

SO: 2110257 Air, Di, ATIC, F-TS-8005, Oct. '52 (Excerpts from Russian Radio Magazine, No. 10. October, 1952)

1. KUCHAYEV, N.

2. USSR (600)

4. Radio

7. Soviet radio amateurs. Radio no. 11. '52.

9. Monthly Lists of Russian Accessions, Library of Congress, February 1953. Unclassified.

DOKUCHAYEV, N.

Competition of the strong. Radio 22, No 6, 1952.

1. DOKUCHAYEV, N.

2. USSR (600)

4. Radio, Short-Wave - Stations

7. Radio relay of peace, Radio, No. 1, 1953.

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

DOKUCHAYEV, N. March 1953

USSR/Electronics - Dosaaf Clubs

"Below thier Potentialities,"

Radio, No 3, pp 16-17

The author criticizes the Ivanovo Oblast Dosaaf Club for failing to cooperate with other Dosaaf clubs, for holding council meetings, and for neglecting long-distance TV reception. Mentions there are eighty members in the construction section.

255175

DOKUCHAYEV, N.

Grachev, Vasilii Aleksandrovich

Vasilii Grachev, instructor and social worker. Radio No. 4, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

May 1953

DOKUCHAYEV, N.

USSR/Electronics - Transmitters
Television
Ultrashort Waves

"Important Matters,"

Radio, No 5, pp 38-39

Description of work done by A. Teplyakov and A. Krapivin in designing an FM-USW transmitter for the sound accomaniment of the Tallin Educational Television Center. The TV center had not been completed and seven groups have been organized in the Tallin Radio Club to work on it. The U SW transmitter is now being used for experimental broadcasting.

255T107

DOKUCHAYEV, N.

Entries of radioamateur designers, members of the All-Union Volunteer Society for Assistance to the Army, Aviation and Navy, in provinces' and republics' exhibitions. Radio no.6:5-7 Je '53. (MLRA 6:6)
(Radio--Exhibitions)

DOKUCHAYEV, N.

A show of craftsmanship. Radio no.8:5-7 Ag '53. (MLRA 6:8)
(Radio--Exhibitions)

DOKUCHAYEV, N.

Results of lack of control. Radio no.9:12 S '53. (MLRA 6:8)
(Radio clubs)

DOKUCHAYEV, N.

USSR/ Miscellaneous - Television relay centers

Card 1/1 : Pub. 89 - 5/26

Authors : Dokuchaev, N.

Title : In an amateur television center

Periodical : Radio 12, 8-9, Dec 1954

Abstract : General information is given on the organization of a relay television center in the Lianozovo settlement near Moscow. The relay television set transmits Moscow television programs to ten television viewing points. The distances from the local relay set to the television outlet points are very limited, ranging between 113 and 450 meters. The Lianozovo television center seems to be one of the few experimental installations of this type, if not the only one, in the USSR.

Institution : .....

Submitted : .....

DOKUCHAYEV, N.

USSR/ Engineering - Production methods

Card 1/1 Pub. 89 - 7/30

Authors : Dokuchayev, N.

Title : Introduction of new technique into industry

Periodical : Radio 6, page 10, Jun 1955

Abstract : The economical advantages derived by industry (communications industry) through mechanization and introduction of new manufacturing techniques were discussed and demonstrated by a local plant exhibition displaying new production techniques introduced by the personnel of the plant.

Institution : .....

Submitted : .....

DOKUCHAYEV,N.

Moscow Province competition for radio operators. Radio no.9:17 S'55.
(MLRA 8:11)
(Moscow Province--Radio operators--Competition)

DOKUCHAYEV, N. (Kaluzhskaya oblast')

Possibilities and reality. Voen. znan. 41 no.6:32-34 Je '65.
(MIRA 18:5)

DOKUCHAYEV, N. F.

DOKUCHAYEV, N. F. -- "APPLICATION OF THERMOHYGROMETRIC METHODS TO THE INVESTIGATION OF THE PROCESS OF EVAPORATION." SUB 28 MAY 52, MOSCOW TECHNOLOGICAL INST OF FOOD INDUSTRY (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

Dokuchayev, N. F.

PORKHAYEV, A.P., kandidat tekhnicheskikh nauk; DOKUCHAYEV, N.F., nauchnyy sotrudnik.

Study of the effect of drying on the size of kernels. Trudy MTIPP 2:383-396 '52. (MLRA 9:2)

(Grain--Drying)

. Dokuchayev, N.F.

USSR/Statistical Physics - Thermodynamics. D-3

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 11418

Author : Dokuchayev, N.F.
Inst :
Title : Thermo-Hygrometric Methods of Determining Vapor Concentration in the Boundary Layer.

Orig Pub : Zh. takhn. fiziki, 1956, 26, No 10, 2348-2355

Abstract : Description of the construction of a hair hygrometer, intended for the measurement of humidity in narrow channels. A greasy hair of diameter approximately 0.05 mm and 70 mm long is stretched along a brass tube 1.12 mm in diameter and 75 mm long, in which a cut is made. One end of the hair is fastened at the far end of the tube, and its near end is connected to a brass rod, connected in turn with a flat spring, which is in turn connected with the indicator. A hair elongation of 0.01 mm corresponds to an increase of 0.2% in the relative humidity. The sensitivity of the

Card 1/3

USSR/Statistical Physics - Thermodynamics.

Abs Jour : Ref Zhur - Fizika, No 5, 1957, 11418

hygrometer does not depend on the temperature. The permissible temperature range is estimated to be from -30 to +50°. The time constant is on the order of 50 seconds. The accuracy is estimated at 5%. The author then proceeds to describe a thermO-psychrometer, consisting of a wet and dry thermocouple, with the wet one being moistened directly before each measurement by means of a special pipette. Finally, the author describes a thermo-hygrometer, intended for the measurement of the temperature and humidity directly at the water that evaporates and the braid of the wet thermocouple is moistened directly only before each measurement. Among the many experiments performed in the course of the tests of the instrument, the author describes the measurement of the temperature and humidity near the surface of the water at a velocity of air stream of 2.0 meters per second, where it turned out that the thickness of the diffusion layer corresponds

D-3

USSR/Statistical Physics - Thermodynamics.

Abs Jour : Ref Zhur - Fizika, No 5, 1957, 11418

to that obtained by previous measurement and by theory. Also reported are the parameters, of the mass exchange and heat exchange in the similarity criteria.

Card 3/3

DOKUCHAYEV, N.F.; SMIRNOV, M.S.

Rate of drying of some materials. Izv.vys.uchab.zav.; pishch. tekh. no.3:135-139 '59. (MIRA 12:12)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti. (Food--Drying)

EWT(m)

ACC NR: AR6011863 SOURCE CODE: UR/0299/65/000/020/M016/M016

AUTHOR: Golub, F. M.; Britun, A. I.; Dokuchayeva, N. F. 26 22 B

TITLE: Special characteristics of fractures in animals exposed to prolonged small dose irradiation (Roentgeno-morphological investigation)

SOURCE: Ref. zh. Biologiya, Abs. 20M95

REF SOURCE: Nauchn. tr. Samarkandsk. med. in-t, v. 31, 1964, 39-44

TOPIC TAGS: radiation biologic effect, bone, animal experiment

ABSTRACT: Experiments were conducted on 110 rabbits. In the first series healing of an open fracture of the second metatarsal bone was investigated in nonirradiated rabbits. In the second series healing of fractures was investigated in rabbits irradiated with single 400 to 600 r doses. In the third series healing of fractures was investigated in rabbits irradiated daily with 5 to 10 r doses (400 to 600 r cumulative dose). Bone fragments were compared and a soft bandage dressing was placed for 2 to 3 days. Histomorphological and X-ray examinations of the fracture showed that in the first series bones of rabbits were completely restored in 60 to 75 days. In the second series the area of the fracture was filled with cartilage and fibrous tissue in 90 to 120

Card 1/2 UDC: 591.169

ACC NR: AR6011863

days and a fissure of varying size was found between the fragments, and in several cases a tendency for formation of a pseudojoint was noted. In rabbits of the third series retardation of callus restoration was markedly expressed. In 90 to 120 days the cortical layer appeared in the form of bone tissue without the characteristic layered structure (the cortical layer becomes thinner at the site of the fracture) and passability of the bone marrow canal was not restored, and in some cases a tendency for formation of a pseudojoint was noted. N. S. [Translation of abstract].

SUB CODE: 06

ZEL'MANOVICH, B.M.; DOKUCHAYEVA, N.I.

Sensitivity to certain antibiotics of staphylococci isolated in suppurative surgical diseases. Antibiotiki 5 no. 5:89-91 S-O '60. (MIRA 13:10)

1. Kafedra mikrobiologii (zav. - prof. V.D. Shtiben), kafedra gospital'noy khirurgii (zav. - prof. V.F. Glivenko) Krasnoyarskogo gosudarstvennogo meditsinskogo instituta.
(STAPHYLOCOCCUS) (ANTIBIOTICS)

DOKUCHAYEV, N.S.

Reclamation of medium-columnar Solonetz soils and Solonetz complexes on collective farms served by the Zonovsk Machine-Tractor Station. Trudy Biol. inst. Zap.-Sib. fil. AN SSSR no.3:111-116 '57. (MIRA 13:10)

(Novosibirsk Province--Solonetz soils)

ANDREYEV, N.K.; BLYUDZE, Yu.G.; DOKUCHAYEV, O.N.; PETROVSKY, V.S.; SMOLYAKOV, A.V.; TKACHENKO, V.M. (Leningrad)

"Study of the main properties of pseudo-sound sources of turbulent noise".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

DOKUCHAYEV P.N.

137-58-6-11294

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 5 (USSR)

AUTHOR: Dokuchayev, P.N.

TITLE: On a Study of Methods of Milling the Waste Ores of Mt. Magnitnaya (K voprosu izucheniya metodov obrabotki otval'nykh rud g. Magnitnoy)

PERIODICAL: Sb. nauchn. tr. Magnitogorskiy gorno-metallurgich. in-t, 1957, Nr 12, pp 216-233

ABSTRACT: An examination is made of the possibility of extracting Fe minerals in the concentrate by beneficiation of the lean oxidized Fe ores in the Mt. Magnitnaya discards. Treatment by direct electromagnetic separation yields a concentrate containing 57% Fe, of which 72.6% can be extracted. Dressing by a combination of methods (dry magnetic separation, pulsator jigging, wet magnetic separation) makes possible the derivation of a concentrate containing 58.5% Fe, of which 76.35% is extracted. Sink-float separation in a heavy medium of screen-analysis classes of washed ore shows that a satisfactory concentrate is obtained when the sp. gr. of the medium is class 3.2+25 mm. Heavy-medium separation is possible if, during the first operation

137-58-6-11294

On a Study of Methods of Milling the Waste Ores of Mt. Magnitnaya

subsequent to washing, tailings containing 14.2-19% Fe are separated from the washed product with a suspension of 2.7 sp. gr. When the combined method of dressing is employed, it is more advisable to use magnetic separation for the large classes than to employ high-density suspensions. Slimes of spiral separation should be classified into over and under 0.10 mm in the first stage. The + 0.10 mm sands are subjected to wet magnetic separation. The -0.10 mm material should be classified relative to 0.02 mm, with separation of the final +0.02 tailings and sands with subsequent separation on a gravity spiral electromagnetic separator. To hold down metal losses, separate dressing is recommended for large class process middlings.

A.Sh.

1. Ores--Processing 2. Minerals--Separation 3. Iron--Production
4. Electromagnetic equipment--Applications

Card 2/2

DOKUCHAYEV, P.P.

Construction work for a trihedral signal with rhombic sheating. (MIRA 18:3)
Geod. i kart. no.1:31-35 Ja '65.

S/141/62/005/004/009/009
E192/E382

AUTHOR: Dokuchayev, Vl.

TITLE: Second All-Union Symposium on Wave Diffraction

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika, v.5, no.4, 1962, 821-825

TEXT: The symposium took place between June 4 - 9, 1962, in Gor'kiy and was organized by the Akusticheskaya komissiya AN SSSR (Acoustics Committee of the AS USSR) together with NIRFI of Gor'kiy gosuniversitet im. N.I.Lobachevskogo (Gor'kiy University im. N.I.Lobachevskiy). The symposium was opened by G.D.Malyuzhinets. Nine papers were read at the plenary sessions: G.I.Makarov: "Some problems of radiowave diffraction and propagation". P.Ya.Ufimtsev: "Physical theory of diffraction". V.D.Kupradze: "Method of approximate solution of some diffraction problems". V.S.Buldyrev and I.A.Molotkov: "Investigations of non-analytical portions of the wave field in non-stationary diffraction problems". L.D.Bakhrakh and Ya.N.Fel'd reported on the present state of the theory of the antenna synthesis. V.A.Fok, L.A.Vaynshteyn and G.D.Malyuzhinets: "Transverse diffusion during diffraction of short waves in a helical cylinder".

Card 1/7

S/141/62/005/004/009/009
E192/E382

Second All-Union ...

G.N.Krylov: "Numerical methods in the propagation problems of stationary and non-stationary signals above a flat Earth". V.I.Talanov: "Application of integral equations of Wiener-Hopf-Fok type to some diffraction problems". A.G.Sintenko: "Theory of diffraction nuclear processes". The symposium was in four sections: Section A (discussion of the mathematical diffraction theory and non-stationary problems encountered in the diffraction theory); Section B (wave diffraction on various bodies and numerical methods of solution); Section C (investigation of wave propagation in nonhomogeneous media and waveguides); Section D (wave propagation in plasma and gyrotropic media, and wave-diffraction in plasmas). The following subjects were discussed: G.D.Malyuzhinets: the generalization of the Fok localization principle as applied to the planar diffraction problem. B.Ye.Kinber and A.A.Fedorov: asymptotic solution of the diffraction problem on a sphere and paraboloid of revolution. B.Ya.Gel'chinskiy: the field of an acoustic wave reflected from a boundary at angles near to the critical. D.Z.Avazashvili and I.A.Urusovskiy: some theorems on the existence of the unique solutions of diffraction problems. B.V.Vaynberg: Sommerfeld's conditions for elliptical operators of

Second All-Union ...

any order. V.A.Borovikov: the diffraction of a spherical wave on an infinite prism. A.A.Khromov: generalization of the Kirchhoff formula for the case of an arbitrarily moving surface. M.V.Fedoryuk and V.N.Drekov: development of the stationary-phase method for calculating the values of multidimensional asymptotic integrals. I.V.Olimpiyev: a new derivation of an asymptotic diffraction formula. R.G.Barantsev: the expansion of a solution of the Helmholtz equation for the problem of scattering on a spherical surface. L.N.Sretenskiy, A.V.Vasil'yev and S.S.Voyt: the wave-diffraction on the surface of a liquid layer. V.M.Travinin: diffraction of waves around a semi-immersed elliptical cylinder. P.I.Tsoy: the diffraction of plane sound waves on a moving toroid of elliptical cross-section. L.A.Cherches: the approximate solution of diffraction problems for bodies with wedge-type discontinuities. A.Ye.Kinber: diffraction at the open end of a flat sectional horn and some general laws of diffraction for plane and cylindrical waves on an aperture in a screen. N.G.Bondarenko and V.I.Talanov: the results of the analysis of the characteristics of a light waveguide with mirror-type phase-converters. Ye.N.Vasil'yev and A.D.Seregina: a method of solving the problem of

Card 3/7

Second All-Union ...

the excitation of a cylinder of finite length. O.A.Germogenova and G.V.Rozenberg: the scattering of nonhomogeneous electromagnetic waves by spherical particles. E.A.Yanson and V.S.Buldyrev: the interference waves in a spherical layer covering an elastic sphere. Ye.A.Ivanov: an exact solution of the problem of diffraction of the electromagnetic waves radiated by a dipole situated in a gap between two ideally conducting discs. I.N.Korbanskiy: the radiation impedance of a Hertz dipole situated in the vicinity of an ideally conducting paraboloid of revolution. N.A.Yablochkin: the solution of the external electromagnetic problem of diffraction for a number of ideally conducting bodies of complex form. M.D.Khaskind: the diffraction of electromagnetic fields on a tape and a slot. V.A.Afanas'yev: the diffraction of waves on wedges. A.F.Filippov, D.M.Sazonov, R.P.Starovoytov, M.S.Bobrovnikov, I.A.Gilinskiy, D.P.Kouzov, A.A.Lemanskiy and L.N.Zakhar'yev: problems of diffraction of waves on wedges. Ya.I.Sekerzh-Zen'kovich: theory of standing waves in a heavy non-compressible liquid. V.Yu.Zavadskiy: the dispersion and damping of the Rayleigh wave during its propagation above a flat surface. V.N.Krasil'nikov: an analytical

Card 4/7

Second All-Union ...

and numerical solution of the problem of elastic-wave propagation in a liquid semi-space limited by an elastic layer. L.V.Iogansen: the effect of resonance diffraction of acoustic waves in flat laminated systems. A.D.Lapin: wave diffraction on a sawtooth-like surface. G.V.Poddubnyy: problem of the scattering of electromagnetic waves by a periodic surface. Yu.N.Cherkashin: sound diffraction on an internal wave. V.A.Zverev, V.I.Mikhaylov, R.G.Bryantsev, E.P.Gulin, L.N.Yurkova and I.N.Tamoykina: statistical diffraction theory. N.G.Denisov and L.S.Dolin: the diffraction of non-monochromatic radiation on regular objects. V.I.Zverev: the diffraction of a modulated wave on the non-homogeneities of the propagation path changes the character of the modulation. L.A.Vaynshteyn: the theory of contactless plungers. A.S.Il'inskiy and A.G.Sveshinkov: matching the waveguides of different cross-sections. N.P.Kerzhentseva: transformation of electromagnetic waves in a waveguide with a slowly changing impedance and radiowave propagation along the Earth surface. V.N.Troitskiy and S.A.Amanov: experiments on the influence of mountain ranges on UHF propagation. G.N.Krylov and A.D.Petrovskiy: exact and approximate boundary conditions in the propagation

Card 5/7

Second All-Union ...

problems of electromagnetic waves. A.N.Barkhatov, A.D.Petrovskiy, G.P.Prudkovskiy, O.G.Shamina et al: laboratory simulation and study of various types of wave-propagation. G.H.Grudinskiy, Yu.K.Kalinin and Ya.S.Rodionov et al: equipment for simulating wave-propagation over a nonhomogeneous route. A.N.Barkhatov: simulation of sound propagation in laminary and non-uniform media. A.D.Petrovskiy: diffraction of electromagnetic waves. G.I.Makarov: the problem of propagation of a plane electromagnetic wave in a symmetrical ionized layer. V.B.Gil'denburg and I.G.Kondrat'yev: reflection and refraction of electromagnetic waves in nonhomogeneous plasma layers. N.A.Kuz'min: numerical results on the scattering characteristics of magneto-active plasma. V.V.Zheleznyakov and Ye.Ya.Zlotnik: interaction of electromagnetic waves in plasma. M.Ye.Gertsenshteyn and V.I.Pustovoyt: the propagation of sound waves in crystals in the presence of a constant electric current. A.V.Gurevich: diffusion in the ionosphere. V.Ya.Eydman: the radiation of plasma waves by a charge moving in a magneto-active plasma. A.P.Kazantsev and G.I.Surditovich: the radiation of a charged particle passing near a metallic screen. V.P.Dokuchayev: ultra-sonic and transient radiation of sound waves by small bodies in a

gaseous media. M.D.Khaskind and Yu.K.Kalinin: diffraction of electromagnetic waves in plasma cylinders. Yu.S.Sayasov: scattering of electromagnetic waves by plasma objects.
The Third Symposium will be held in the spring of 1963 and is to be organized by the Georgian scientific bodies.

ZAYEV, N.Ye., inzh.; DOKUCHAYEV, V.I., inzh.

Behaviour of the lines of force of a rotating electromagnet.
Elektrotekhnika 35 no.11:64 N '64. (MIRA 18:6)

DOKUCHAYEV, V. M.

DOKUCHAYEV, V. M.

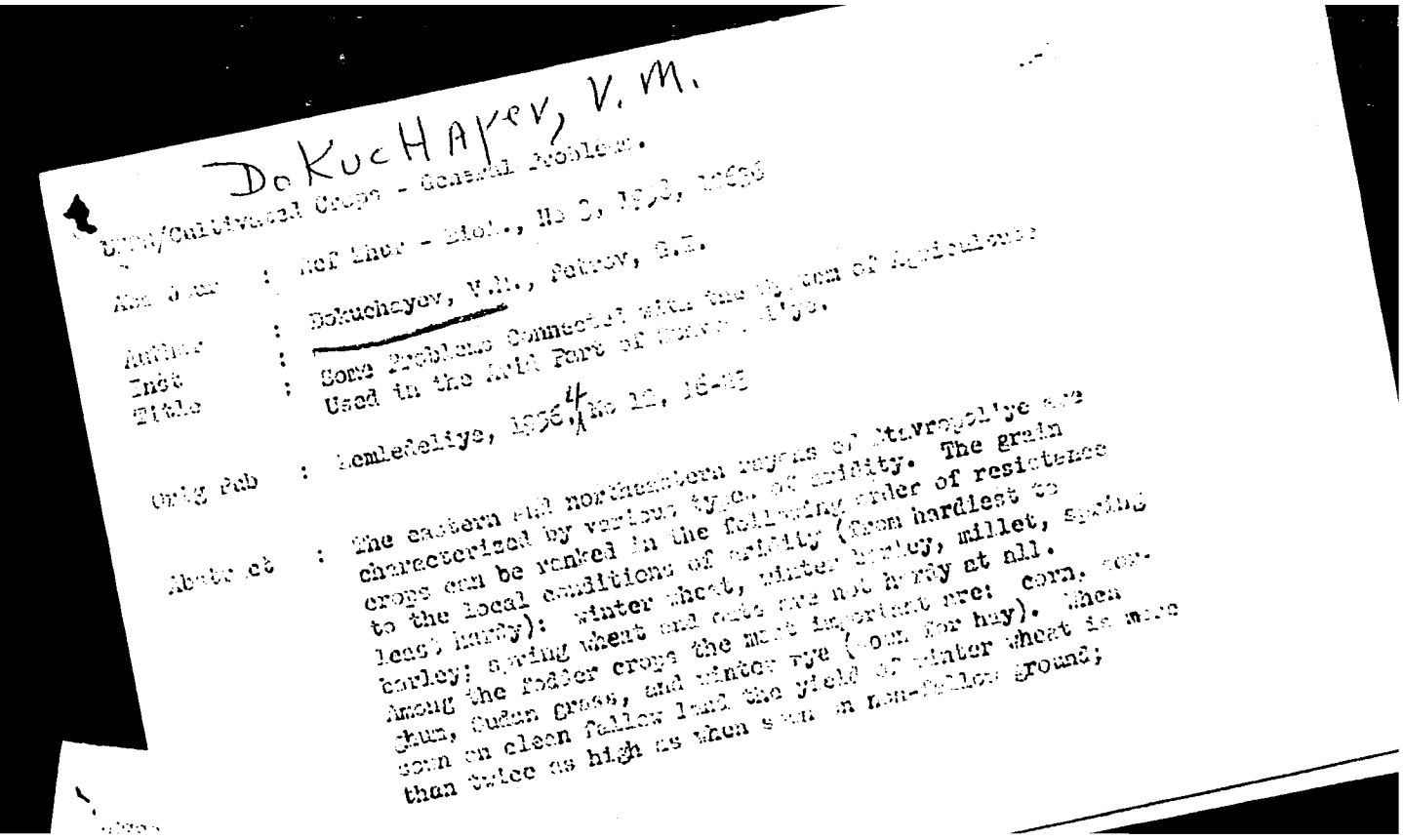
"The Agrotechnics of Shelter Belt Afforestation in the Arid Region of Stavropol." Cand Agr Aci, Sci Res Inst for Cotton Growing in New Regions, Min Agriculture USSR, Budennovsk, 1954. (KL, No 13, Mar 55)

SO: Sum No. 670, 29 Sep 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

DOKUCHAYEV, Vladimir Mikhaylovich

[Shelterbelts in dry steppe] Polezashchitnoe lesorazvedenie v zasushlivykh stepiakh. Moskva, Gos. izd-vo selkhoz.lit-ry, 1956. 59 p. (MLRA 10:8)

(Windbreaks, shelterbelts, etc.)



DoKuCHAYEV, V. M.

Crops/Cultivated Crops - General Problems.

Abs Jour : Ref Zhur - Biol., No 2, 1958, 10656

Author : Dokuchayev, V.M., Petrov, S.E.

Inst :

Title : Some Problems Connected with the System of Fertilizers Used in the Arid Part of Central Kirgiz.

Orig Pub : Izvestiya, 1956, No 12, 16-22

Abstract : The eastern and northeastern regions of Stavropol'ye are characterized by various types of aridity. The grain crops can be ranked in the following order of resistance to the local conditions of aridity (from hardest to least hardy): winter wheat, winter barley, millet, spring barley; spring wheat and oats are not hardy at all. Among the fodder crops the most important are: corn, sorghum, Sudan grass, and winter rye (corn for hay). When corn on clean fallow land the yield of winter wheat is more than twice as high as when sown on non-fallow ground;

DOKUCHAYEV, V.M., kandidat sel'skokhozyaystvennykh nauk.

Institute follows a new course. Nauka i pered. op. v sel'khoz. no.9:25-26 S '56. (MLRA 9:10)
(Stavropol Territory--Agricultural research)

DOKUCHAYEV, V.

Country : USSR M-4
CATEGORY :

ABS. JOUR. : RZBiol., No. 19, 1958, No. 86990

AUTHOR : Dokuchayev, V.; Goncharov, B.; Seletskiy, V.
INST. :
TITLE : Specific Features of Tillage for Winter Wheat in Drought Areas

ORIG. PUB. : Peredov. opyt s.-kh. proiz-va Stavropol'ya, 1957, July-August, 9-11
ABSTRACT : No abstract.

CARD: 1/1

DOKUCHAYEV, V.M., dots.

[Soils erosion in Stavropol Territory and its control] Erosiia pochv na Stavropol'e i bor'ba s neiu. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1964. 23 p. (MIRA 18:8)

1. Stavropol'skiy sel'skokhozyaystvennyy institut.

DOKUCHAYEV, V.M., dots.; KOLONUTOV,G ., nauchn. red.

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TITLE: On the Theory of Motion of Ionospheric Irregularities (K teorii dvizheniya ionosfernykh neodnorodnostey)

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ABSTRACT: The steady state motion of cylindrical irregularities in the ionospheric electron concentration in the presence of wind is considered, taking into account the terrestrial magnetic field. A similar problem was considered by Martin in Ref 6, who came to the doubtful conclusion that the steady motion of a cylinder under the action of wind is impossible. In Ref 1, which is closely connected with Ref 6, it was concluded that the stationary motion is possible but in the solution of the problem the authors used certain relations which are known to hold in the non-stationary state which, in the opinion of the present author, is incorrect. The whole theory, therefore, is re-examined in the present paper. The discussion begins with a statement of the generalized Ohm's law for an anisotropic weakly ionized plasma (5-7) which is given by Eq (1), where $\vec{j}$ is the current density, σ_2 is the Hall conductivity, $\vec{E}_{\parallel}$ is the component of the electric field

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in the direction of $\vec{H}_o$, $\vec{E}_{||}$ is the component in the plane perpendicular to the magnetic field, $\vec{E}$ is the total electric field and $\vec{h}$ is the unit vector along the direction of $\vec{H}_o$. The total field is given by Eq (2), where $\vec{E}'$ is the contribution due to external fields and the second term represents the induced field. The longitudinal conductivity σ_o is given by Eq (3) and the transverse conductivity σ_1 by Eq (4). The Hall conductivity σ_2 is given by Eq (5) (e is the charge of an electron, N is the electron concentration, $m_{e,i}$ is the mass of an electron and an ion respectively, ν_e is the number of collisions of an electron with neutral molecules per unit time, ν_i is the number of collisions of ions with molecules, $\omega_e = eH_o/m_e c$ and $\omega_i = eH_o/m_i c$. It

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is assumed that $\vec{E}' = 0$ so that Eq (6) holds. The three Cartesian components of the current density are then given by Eqs (7)-(9), in which the magnetic field $\vec{H}_o$ is directed along the z axis. The first example considered is that of a motion in the magnetic field of a uniformly ionized layer parallel to the xy plane. In the presence of currents perpendicular to the magnetic field $\vec{H}_o$, pondermotive forces given by Eq (10) appear and lead to drift velocities in directions perpendicular to the current, and a magnetic field. From the equations of motion of charged particles one can obtain an expression for the mechanical force which balances the pondermotive force in the stationary state and this is given by Eq (11) where $\vec{u}$ is the drift velocity of the ionized gas. If the wind velocity $\vec{V}_o$ is parallel to the y axis, then an induced field $\vec{E} = c^{-1}[\vec{V}_o \vec{H}_o]$ appears and is anti-parallel to the x axis. Using Eqs (7) and (11), Eqs (12) and (13) are obtained in a set of coordinates moving with a velocity $\vec{V}_o$. In a fixed set of coordinates

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Eqs (14) and (15) hold, where G is given by Eq (16). Thus, under the action of a magnetic field, a velocity component appears in a direction perpendicular to the original velocity of the wind V_x, which is entirely due to the Hall conductivity. Moreover, the velocity of motion of the ionized gas in the direction of the wind is reduced by $G\sigma_1 V_o$. However, the ionosphere is not a uniformly ionized plane layer. It is therefore necessary to establish relations between the velocities of irregularities and the wind velocity. The irregularities in the electron concentration are assumed to have the form of a circular cylinder with an axis parallel to the magnetic field $\vec{H}_o$. In a cylindrical set of coordinates, Eqs (7)-(9) now assume the form given by Eqs (18) and (19). The electric field components are given by Eqs (20) and (21), where S is a solution of Eq (22). The solution of the latter equation is subject to the boundary condition that $S = 0$ for $r \to \infty$. For $r \to 0$, S should be bounded. It