"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, I.M., inzh.; SHAZALIN, N.S., inzh.

Simplified control board for dispatcher control stations of municipal cable networks. Elek. sta. 33 no.8:86-88 Ag '62. (MIRA 15:8)

(Moscow--Electric power distribution) (Remote control)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERBICHEVSKIY, I.M., inzh. (Moskva); KONSTANTINOVSKIY, A.Ye., inzh. (Moskva)

Schematic for effective use of communication channels in the remote control systems of municipal cable networks. Elektrichestvo no.12:77-79 D '64. (MIRA 18:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.A., inzh.

Windlass and trawl winch installation with help of a PPS-4 optical device. Sudostroenie 25 no.9:54-56 S '59. (MIRA 12:12)

(Ships--Equipment and supplies)
(Marine engineering)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Ca

7

Detection of cations without the use of hydrogen sulfide
L. G. Berdichevskii and I. G. Vasserberg. *Ukrain Khem. Zhur.* 9, 161-6(1934). B. C. A

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

KOTOV, I.T., gornyy inzh.; BEZVERKHIY, A.A., gornyy inzh.; BERDICHEVSKIY, L.I.

Increasing the operative efficiency of vacuum filters in the coal preparation branch of the Yenakiyevo Coke and Chemical Plant. Ugol' Ukr. 6 no.9:15-17 S '62. (MIRA 15:9)

1. UkrNIIUgleobogashcheniye (for Kotov, Bezverkhiy).
2. Yenakiyevskiy koksokhimicheskiy zavod (for Berdichevskiy).
(Yenakiyevo--Coal preparation plants--Equipment and supplies)
(Filters and filtration)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SARATOVTSEVA, R.G.; SAFRONOV, V.I.; DEKAPOLITOV, I.P. (Kiyev); NAROZHNYY, V.B., inzh.; BERDICHEVSKIY, L.N., inzh. (Novosibirsk)

Concerning the article "Uniform safety engineering regulations for electric power distribution networks." Energetik 13 no.11:33-34 N '65. (MIRA 18:11)

1. Starshiy inzh. PTE Kaliningradenergo (for Saratovtseva). 2. Nachal'nik slushby setey REU Kaliningradenergo (for Safronov). 3. Nachal'nik Darnitskogo setevogo rayona Yugo-Zapadnoy zheleznoy dorogi (for Dekapolitov). 4. Kiyevenergo (for Narozhnyy). 5. Priobskiye seti (for Berdichevskiy).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDIENEVSKIY, L.S.

Berdienevskiy, L.S. "The present state and the prospects of a raw material base for the fishing industry in Western Kazakhstan," (From a paper given at the Atyrau (Gur'yev) session of the Academy of Sciences of the Kazakh SSR), Vestnik Akad. nauk Kazakh. SSR, 1949, no. 2, p. 77-100

SO: L-3261, 10 April 53, (Letopis'zhurnal 'nykh Statey, no. 12, 1949

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S.

Status of the resources of valuable commercial fishes and measures for increasing them in waters of the U.S.S.R. Vop. ikht. no.9:3-18 '57. (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii - VNIRO
(Fisheries)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S., kandidat biologicheskikh nauk.

Fight against pollution of reservoirs. (Conference on the problem of the effect of waste water on fishery). Vest. AN SSSR 27 no.6:111-114 Je '57. (MIRA 10:7)

(Moscow--Water--Pollution) (Fisheries)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

AUTHOR: Berdichevskiy, L. S., Candidate of Biology 30-58-7-41/49

TITLE: Biological Foundations of Ocean Fishing (Biologicheskiye osnovy okeanicheskogo rybolovstva) All-Union Conference (Vsesoyuznoye soveshchaniye)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 7, pp. 131-133 (USSR)

ABSTRACT: The Ichthyological Committee of the AS USSR (Ikhtiologicheskaya komissiya Akademii nauk SSSR) together with the All Union Scientific Research Institute for Ocean Fishing Economics and Oceanography /VNIRO/ (Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii /VNIRO/), and the Institute for Oceanography of the AS USSR (Institut okeanologii Akademii nauk SSSR) held this conference April 11 - 16. It was attended by: representatives of a great number of biological scientific research institutions of branch institutes of fishing industry, of many universities and a number of Councils of Economy. The following lectures were held:

1) A. M. Batalin, V. V. Leont'yeva, V. A. Burkov — On new data concerning oceanological conditions in a number of regions of the Pacific Ocean (Tikhiy okean)

Card 1/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

Biological Foundations of Ocean Fishing. All Union Conference

2) G. M. Biryulin on the utilization of oceanological data in ocean fishing.
3) V. G. Bogorov on the qualitative and quantitative distribution of ground- and plankton organisms.
4) Ye. A. Pavshtiks on the characteristic features of the food basis of herrings in the Norwegian and Greenland Seas (Norvezhskoye i Grenlandskoye morya)
5) T. S. Rass on the basic purposes of Ocean fishing.
6) P. A. Moiseyev on regularities in the distribution and the biology of ichthyofauna of commercial interest in the western part of the Pacific Ocean.
7) I. G. Yudanov and Yu. Yu. Marti on biological peculiarities of the accumulation of Atlantic and Scandinavian herring of commercial interest in autumn and winter.
8) Yu. V. Novikov, V. G. Osipov, S. M. Kaganovskaya, B. N. Ayushin, and A. G. Kaganovskiy on the biological foundation of the development of Soviet fishing trade for different fishes.
9) V. A. Borodatov and Yu. L. Karpechenko on the conditions and prospects of herring fishing in the North Atlantic.
10) B. P. Manteyfel', L. A. Chayanova, M. I. Ryzhenko, and F. M. Mazayev on the biological foundations of herring fisheries in the North Atlantic.

Card 2/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

Biological Foundations of Ocean Fishing. All-Union Conference SOV/30-58-7-41/49

11) K. I. Yudanov, V. G. Azhazha, and O. N. Kiselev on the application of hydroacoustic equipment for fishing.
12) Yu. Yu. Marti on the prospects of ocean fishing in the USSR. In order to guarantee the further development of Soviet ocean fishing an investigation of oceanological conditions must be made possible. This can be done most effectively by organizing scientific commercial expeditions. For this purpose, however, modern ships are necessary which are equipped with corresponding scientific apparatus. Coordinated plans of research must be worked out by the committee and the institute.
13) D. D. Romanov, P. A. Moiseyev, and K. A. Golovinskaya on the progressing radioactive contamination of waters, fishes, animals, and plants in the ocean caused by atomic bomb tests.

Card 3/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV-26-58-10-9/51

AUTHOR: Berdichevskiy, L.S., Candidate of Biological Sciences

TITLE: Protecting Valuable Commercial Fish Reserves in the Caspian Basin (Okhrana zapasov tsennykh promyslovykh ryb Kaspiyskogo basseyna)

PERIODICAL: Priroda, 1958, Nr 10, pp 51-54 (USSR)

ABSTRACT: Commercial fish reserves in the Caspian Basin have been decreasing for the past 25 years, partly due to a drop in the sea level, brought about by a decrease in river flow due to climatic reasons, and partly by man-made reasons - i.e. pollution by industrial and domestic waste, hydro-electric development on rivers and irresponsible fishing. The author takes the case of pike perch, bream and sturgeon in turn and shows the extent to which the catch consists of young, immature and "illegal" fish. Figures are quoted to show the economic loss resulting from such fishing and the effect that it will have on the size of future shoals. Fishing control and restrictions are suggested, and the author advocates the improvement of existing fishing equipment and methods to catch only ripe and mature fish, leaving younger fish free to spawn. He points out that the Northern Caspian

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV-26-58-10-9/51

Protecting Valuable Commercial Fish Reserves in the Caspian Basin

is one great fish-fattening stock pond and favors the banning of commercial sea fishing in this area.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii - Moskva (The All-Union Research Institute for Sea Fisheries and Oceanography - Moscow)

1. Fishes--Economic aspects 2. Fishes--USSR

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S.

Plenum of the Ichthyological Commission of the Academy of Sciences of the U.S.S.R. Zool. zhur. 37 no.9:1430-1432 S '58. (MIRA 11:10)
(Fisheries--Research)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S., kand.biol.nauk

Conservation of valuable commercial fish resources of the Caspian Basin. Priroda 47 no.10:51-54 O '58. (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (Moskva).
(Caspian Sea region--Fishes)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S.

Biological principles of fishery regulation in the northern part of the Caspian Sea [with summary in English]. Zool.zhur. 38 no.1:88-102 Ja '59. (MIRA 13:4)

1. All-Union Research Institute of Marine Fisheries and Oceanography, Moscow.
(Caspian Sea--Fishery Law and Legislation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S., kandidat biologicheskikh nauk

Biological principles in pond fish culture. Vest.AN SSSR 30 no.7:102-104 Jl '60. (MIRA 13:7)
(Fish culture)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S.

Rational utilization of fish resources of the Caspian Sea basin. Izv.AN SSSR.Ser.geog. no.3:28-36 My-Je '61. (MIRA 14:5)

1. Ikhtiologicheskaya komissiya AN SSSR.
(Caspian Sea--Fisheries)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

CHERFAS, B.I.; BERDICHEVSKIY, L.S.; ISAYEV, A.I.

Outlook for the development of fisheries in inland waters of the Soviet Union. Izv. AN SSSR. Ser.biol. no.6:926-930 N-D '61. (MIRA 14:11)

1. The Ichthyological Committee of the Academy of Sciences of the U.S.S.R., Moscow.

(FISHERIES)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S.

Biological principles underlying efficient fishery management. Trudy sov. Ikht. kom. no.13:44-66 '61. (MIRA 14:8)

1. Ikhtiologicheskaya komissiya AN SSSR.
(Fisheries)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S.

Forty-eighth session of the Permanent International Council for the Exploration of the Sea. Vop. ikht. 1 no. 1:306-308 '61. (MIRA 14:5)

(Atlantic Ocean—Fisheries--Research)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

PAVLOVSKIY, Ye.N., akademik, glav. red.; KOZHIN, N.I., prof., red.; BERDICHEVSKIY, L.S., prof., red.; MAKAROV, B.M., red.; ULYANOVA, O.G., tekhn. red.

[Sturgeons in the bodies of water of the U.S.S.R.] Osetrovoe khoziaistvo v vodoemakh SSSR. Moskva, Izd-vo AN SSSR, 1963. 206 p. (MIRA 16:9)

1. Vsesoyuznoye soveshchaniye po voprosam razvitiya osetrovogo khozyaystva v vodoyemakh SSSR, Moscow, 1961.
(Sturgeons)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, L.S.

Biological fishery research at a new stage. Zool. zhur. 42 no.1:3-10 '63. (MIRA 16:5)

(Fisheries—Research)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

38047. BENDICHEVSKIY, M.

O vliyanii vitamina «V» NA serdtse kholodnokrovnykh. Sbornik trudov (Arkhang. Gos. med. in-t), vyp. 9, 1949, s. 133-38. Gibliogr; 15 nazv

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SHAPOVALOV, A., inzh. (Kiyev); BERDICHEVSKIY, M., inzh.-ekonomist (Kiyev)

Standardize the flying hour. Grazhd. av. 21 no.10:24 O '64. (MIRA 18:3)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

MIKHAYLOV, Yu.I., insh.; BEHDICHEVSKIY, M.A.

Conveyer trains used in the German coal-mining industry. Mekh.i avtom.proizv. 14 no.1:61-64 Ja '60. (MIRA 13:5)

(Germany, West--Mine railroads)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.G.

The N320-3 and N320-5 portable high-speed three and five channel recording instruments. Biul. tekh.-ekon. inform. 18 no. 12:36-37 D '65 (MIRA 19:1)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.M., inzh.; LOZHKIN, B.G., kand.tekhn.nauk;
RAKOVSHCHIK, Yu.A., kand.tekhn.nauk

Strut-system crane gantries for buildings with a large network of columns. Prom. stroi. 40 no.12:28-32 '62. (MIRA 15:12)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut promyshlennykh zdaniy i sooruzheniy Akademii stroitel'stva i arkhitektury SSSR.

(Cranes, derricks, etc.)
(Industrial buildings—Equipment and supplies)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.

Nomogram for determining coefficients of equatorial dipole arrangement. Razved.i prom.geofiz. no.10:15-17 '54. (MIRA 13:2)

(Electric prospecting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.

USSR/Geophysics - Physics of the Earth FD-1720

Card 1/1 : Pub. 45-8/12

Authors : Berdichevskiy, M. N., and Zavadskaya, T. N.

Title : On the formation of an electric field in the earth

Periodical : Izv. AN SSSR, Ser. geofiz., 178-180, Mar-Apr 1955

Abstract : When a constant current is introduced into a circuit consisting of connecting wires, electrodes and the earth, transitional processes take place in the earth resulting in the formation of an electromagnetic field. Having examined the records obtained at a low level of interference from the field of telluric currents, the authors present diagrams in which are depicted eight basic forms of the formation of the elastic field. The diagrams show impulse, calibrating impulse and current impulse.

Institution : Scientific Research Institute of Geophysical Methods of Prospecting, Ministry of Petroleum Industry

Submitted : November 23, 1953

Translation 563456

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

15-57-8-11517

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8, p 205 (USSR)

AUTHORS: Berdichevskiy, M. N., Petrovskiy, A. D.

TITLE: Method of Conducting Two-Phase Equatorial Soundings (Metodika vypolneniya dvustoronnikh ekvatorial'nykh zondirovaniy)

PERIODICAL: Prikl. geofizika, Nr 14, 1956, pp 97-114

ABSTRACT: The authors consider the effect of the dimensions of the input and measuring lines, as well as the effect of inaccuracy due to the grounding of the equatorial equipment, on the results of the measurements. The maximum length of the input line should not exceed 1/4 to 1/6 of the maximum effective depth of the sounding. The length of the measuring line $\overline{MN} \leqslant R/5$, where R is the dispersion of the dipole equatorial equipment. The authors present a simplified formula for the coefficient of the equipment and a nomogram

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

Method of Conducting Two-Phase Equatorial (Cont.) 15-57-8-11517

for the rapid calculation of this coefficient.

Card 2/2

A. M. Lozynskaya

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.

Determining the joint longitufinal conductivity of deposits occurring above the key bed. Razved. i prom. geofiz. no.19:25-28 '57. (Rocks--Electrical properties) (MIRA 10:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BURDICHEVSKIY, M.N.

ALEKSEYEV, A.M.; BURDICHEVSKIY, M.N.; ZAGARMISTR, A.M.

Use of new methods in electric prospecting in Siberia. Prikl. geofiz. no.18:103-127 '58. (MIRA 11:5)
(Siberia—Prospecting—Geophysical methods)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.

Methods of curvilinear electric sounding. Prikl. geofiz. no.18:128-144 '58. (MIRA 11:5)

(Prospecting--Geophysical methods)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M N

PHASE I BOOK EXPLOITATION 1031

Prikladnaya geofizika; sbornik statey, vyp. 19 (Applied Geophysics; Collection of Articles, Nr. 19) Moscow, Gostoptekhizdat, 1958. 253 p. 3,000 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki

Ed. Bogdanov, A.I.; Executive Ed.: Dobrynina, N.P.; Tech. Ed.: Polosina, A.S.

PURPOSE: This collection of articles is intended for professional geophysicists engaged in scientific research or working in industrial enterprises.

COVERAGE: The articles are devoted to a discussion of methods of interpreting various types of electrical logs, methods of determining the porosity, permeability, and specific surface characteristics

Card 1/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

of water bearing rocks, and methods of determining the physical properties of sediments and the characteristics of various physical parameters. A description of piezoelectric pressure recorders used in seismic exploration is also given. The articles are accompanied by graphs, tables, and bibliographic references.

TABLE OF CONTENTS:

Rudakovskiy, G.I., Zverev, S.M. Piezo-crystalline Pressure Recorders in [Off-Shore] Seismic Exploration 3

Al'pin, L.M. Transformation of Electro-logging Curves 23

Zavadskaya, T.N. Notes on the Transformation of Electro-logging Curves 47

Berdichevskiy, M.N., Zagarmistr, A.M. Problems in Interpreting Multi-Stage Electrical Logs with Dipole Installations 57

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

Faradzhev, A.S. Investigating the Effects of Non-horizontal Plane Boundaries on Electro-logs 109

Shapiro, D.A. Discussion of Theoretical Problems on Diffusion-adsorption Potentials (Diaphragms) in Boreholes 129

Morozov, G.S. Methods of Determining Porosity, Permeability and Specific Resistivity per Unit Area of Water Conducting Surfaces from Electro-log Data 170

Keyvsar, Z.I. Relationship Between Relative Resistivity, Porosity, Permeability and Specific Surface 186

Avchyan, G.M. Determining Magnetic Susceptibility with Dolginov's Astatic Magnetometer 195

Kalinina, R.V. The Correlation Between the Velocity of Propagation of Elastic Waves and the Relative Elastic Constants of Rocks 216

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

Filippov, Ye.M. Investigation of the Diffused Spectrum of Gamma Radiation in Rocks of Different Mineralogical Composition and Densities 230

Veselov, K.Ye. Golomb, V.E., Kalisheva,L.V., Kudymov, B.Ya., Lozinskaya, A.I. Review of P.I. Lukavchenko's "Gravimetric Exploration for Oil and Gas" 245

AVAILABLE: Library of Congress

Card 4/4

MM/sfm
1-22-59

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

ZAGARMISTR, A.M.; BERDICHEVSKIY, M.N.

Using the telluric current method in electric prospecting. Geol. nefti i gaza 3 no.1:38-47 Ja '59. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Geofizika.
(Prospecting) (Electric currents)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV/49-59-7-16/22

AUTHOR: Berdichevskiy, M. N. and Bryunelli, B. Ye.

TITLE: The Theoretical Considerations Regarding the Application of the Magneto-Telluric Method in Profiling

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 7, pp 1061-1069 (USSR)

ABSTRACT: The relationship of the electric and magnetic components of the plane wave in the horizontal homogeneous media (Fig 2) is considered. The assumption is made that in the case of sloping rock layers, more complex relationships take place which can be utilized in determining the mean longitudinal conductivity and the inclination of rock layers. This can be done when simultaneous observations of the electric (E_x, E_y) and magnetic (H_x, H_y) field components (Figs 4 and 5) are made. The analysis of the data thus obtained can be performed by means of the variable diagrams, as employed in the method of telluric currents. There is a series of advantages in applying this method in oil geophysics. Some of them are: 1) it becomes unnecessary to carry out observations at two different points of an area, therefore the network of outstations can be neglected; 2) the observations become greatly simplified; 3) the

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV/49-59-7-16/22

The Theoretical Considerations Regarding the Application of the Magneto-Telluric Method in Profiling

absolute value of S is determined (Fig 4). As a result of the first two points, the prospecting can be made more economical. The third point gives a better accuracy of the geological analysis. There are 5 figures, 1 table and 6 references, of which 5 are Soviet and 1 English.

ASSOCIATION: VNIIgeofizika; Leningradskiy gosudarstvennyy universitet im. Zhdanova (VNII Geophysics, Leningrad State University im. Zhdanov)

SUBMITTED: March 3, 1958.

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV/49-59-8-15/27

AUTHORS: Bryunelli, B. Ye., Berdichevskiy, M.N., Alekseyev, A.M. and Burdo, O.A. (Deceased)

TITLE: Observed Variations of the Micro-pulsations of the Earth's Electromagnetic Field

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 8, pp 1206-1213 + 2 plates (USSR)

ABSTRACT: Observations of a magnetotelluric field were carried out on September 4 to 9, 1957 in South Tyumensk ($\varphi = 56°40'$, $\lambda = 67°$), where a method of measurements illustrated in Fig 1 was applied (I - oscillograph, see Fig 3, II - magnetometer, see Figs 4 and 5). The variations of the period between 10 to 50 secs were recorded. The reciprocal impedance was defined as Eq (1), where $H_y E_x$ - amplitude of monoharmonic variations of the components H and E expressed in γ and mV/km, S - total longitudinal conductivity of the top layers, Eqs (2) to (4), T - period of variations, ρ_n - specific resistance of the foundation layer. The curve of the dipole azimuth sounding near the point of observation is shown in Fig 2. Its left-hand curve

Card 1/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV/49-59-8-15/27

Observed Variations of the Micro-pulsations of the Earth's Electromagnetic Field

represents the layers of the Quaternary formation with 20 to 30 Ohms of resistance, while the right-hand curve corresponds to the Paleozoic period showing resistance 500 Ohms. The corresponding total thickness of layers is 1125 m, its mean resistance ρ_e = 3.2 Ohm and the total conductivity S = 350 $Ohms^{-1}$. The examples of recordings of the variations of a magnetic field obtained by two magnetometers are reproduced in Fig 6 and those of electric and magnetic fields (perpendicular to each other) are shown in Fig 7. The oscillogram in Fig 8 illustrates the magnetotelluric variations during a magnetic storm. The results of statistical analysis of the data and the calculations based on Eq (3) for the oscillograms illustrated in Fig 7b are tabulated in Table 1. Table 2 gives similar results of analysis based on 23 oscillograms. The results obtained signify that a new method of geophysical surveying can be developed based on the experiments

Card 2/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV/49-59-8-15/27

Observed Variations of the Micro-pulsations of the Earth's Electromagnetic Field

described.
There are 8 figures, 2 tables and 8 references, 6 of which are Soviet and 2 English.

ASSOCIATION: Ministerstvo geologii i okhrany nedr VNIIgeofizika (Ministry of Natural Resources VNIIgeofizika) and Leningradskiy gosudarstvennyy universitet imeni A. A. Zhdanova (Leningrad State University imeni A. A. Zhdanov)

SUBMITTED: March 28, 1958

Card 3/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

PHASE I BOOK EXPLOITATION SOV/3908

Berdichevskiy, Mark Naumovich

Elektricheskaya razvedka metodom tellurichesikh tokov (Electrical Prospecting by the Method of Telluric Currents) Moscow, Gostoptekhizdat, 1960. 236 p. 3,000 copies printed.

Ed.: S.M. Sheynman; Exec. Ed.: Ye.G. Pershina; Tech. Ed.: I.G. Fedotova.

PURPOSE: This book is intended for engineers and technicians engaged in geophysical exploration, and for students of advanced courses in geophysics.

COVERAGE: In this book, the principles of the telluric method of prospecting and its utilization in various geological provinces of the USSR are discussed. The book consists of two parts. Part I is concerned with problems of the theory of the telluric method. The results of theoretical studies by Soviet and non-Soviet geophysicists are summarized and new approaches to the method, based on an analysis of a wave model of the telluric field, are formulated. In part II methods and interpretations of field observations are described. The author thanks S.M. Sheynman, L.M. Al'pin, A.M. Zagarmistr, Ye. N. Kalenova,

Card 1/8

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

L.L. Van'yan, A.A. Il'in, and K.V. Lantsov. There are 76 references: 61 Soviet, 9 English, 3 French, and 3 German.

TABLE OF CONTENTS:

Foreword

PART I. THEORY OF THE TELLURIC-CURRENT METHOD

Ch. I. General Information 9
1. Basic definitions 9
2. Basic properties and origin of the telluric field 11

Ch. II. Telluric Field in a Horizontally Homogeneous Medium 20
3. Plane electromagnetic waves. Concept of initial impedance 20
4. Apparent resistance curves 26
5. Asymptotic formulas for initial impedance 32
6. Equivalent cross sections 36
7. Frequency interval for the right ascending branch of ρ_T curves 40
8. Properties of initial impedance within the limits of the right ascending branch of ρ_T curves 47

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

S/552/60/000/027/005/008
H/000/H000

AUTHORS: Berdichevskiy, M. N., and O. M. Raspopov

TITLE: A statistical method for processing telluric current observations

SOURCE: Prikladnaya geofizika (sbornik statey), no. 27, 1960, 64-72

TEXT: The article describes a new statistical method for processing telluric current observations. The basic value determined by this method, parameter K, is expressed by the amplitudes of the telluric variations using four principal and two supplementary axes. Use of this method requires: 1) nonlinear polarization of the telluric current field; 2) quasi-sinusoidally shaped telluric pulses; and 3) parallel measuring lines for the field and base apparatus. Although the new method requires more time and a longer series of observations than the ellipse method, radio synchronization of field and base observations can be eliminated if necessary. The measurements are more stable, permitting the

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

A statistical method (Cont.)

S/552/60/000/027/005/008
H000/H000

distance between field and base points to be increased. Practical operating procedures for use of the new method are given. There are 6 figures. There is 1 English-language reference, as follows: Kantas, K. Development in the newest geophysical research method: the Telluric. Acta Geophysica Sinica, v. 2, no. 2.

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

S/552/60/000/028/005/006
H000/H000

AUTHOR: Berdichevskiy, M. N.

TITLE: Fundamentals of the theory of magnetotelluric profiling

SOURCE: Prikladnaya geofizika (sbornik statey) no. 28, 1960, 70-91

TEXT: The magnetotelluric profiling method of structural exploration was developed at VNIIGeofizika by M. N. Berdichevskiy and A. Ye. Lantsov under the direction of A. M. Zagarmistr. This new method was made possible by the high-sensitivity H-magnetometer developed by B. Ye. Bryunelli, O. A. Burdo, and O. M. Raspopov. In magnetotelluric profiling, mean-period (10-15 to 60 sec) variations of the horizontal components of the telluric and geomagnetic fields are observed at points of the studied area, using an oscillograph, high-sensitivity H-magnetometers, and an electrical measuring element. Variations of two telluric and two geomagnetic components are photorecorded. Data obtained are processed to determine the relative intensity of geomagnetic and telluric field variations (magnetotelluric parameter W),

Card 1/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

from which the absolute total longitudinal conductivity S of the bed overlying the high-resistance basement is computed. Then S is plotted on a map showing changes in thickness of the conducting bed in regions with a sustained geoelectric section. Incorporation of the mean longitudinal resistivity ρ_e of the conducting bed transformed this S map into a structural map of the roof of the high-resistance basement. The method regards the magnetotelluric field as an aggregate of uniform plane monoharmonic electromagnetic waves propagating along axis Z. The input impedance (equal to the ratio of E_x and H_y components on the earth's surface) is used as a basic index characterizing properties of the medium. The formula for the total longitudinal conductivity S of the bed overlying the high-resistance basement is:

$$S \approx 796 \left(\eta - \sqrt{T/10\rho_n} \right);$$

η -- magnetotelluric parameter related to the value of the impedance;

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

$\sqrt{T/10\rho_n}$ -- correction for the finite resistance of the basement; T -- mean period of variations. The frequency interval within which S can be thus determined accurate to 10%, called the S interval, always corresponds to the right ascending branch of curves ρ_T. The period of variations contained in the S interval for a two-layer section satisfies the inequality

$$3.6\ T_{min} \leqslant T \leqslant 1.6\ T_{min} \cdot (\rho_2 / \rho_1);$$

T_{min} -- period of variations corresponding to the minimum of two-layer curve. Multilayered sections are reduced to equivalent two-layered sections. Depth of magnetotelluric profiling depends on electromagnetic plane wave propagation conditions in the bed of the earth's crust, and is determined by approximation calculations. To interpret magnetotelluric observations requires additional information on the

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

specific resistivity of the high-resistance basement and the mean longitudinal resistance of overlying formations. Basic principles of the method are explained on the basis of a horizontal homogeneous model. Under natural conditions, they may be applied to horizontal nonhomogeneous bedding. The method is recommended for general use, particularly in regions where the high-resistance basement is relatively deep, and notably in the West Siberian Lowlands where the mean longitudinal resistivity ρ_1 of the conducting bed is 3 ohms and over. There are 9 figures and 2 tables.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

S/169/63/000/001/059/062
D263/D307

AUTHORS: Berdichevskiy, M.N. and Van'yan, L.L.

TITLE: Electromagnetic fields in thin-layered media

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 31, abstract 1D173 (Tr. In-ta geol. i geofiz. Sib. otd. AN SSSR, 1961, no. 11, 63-72)

TEXT: A calculation is given of alternating and constant electromagnetic fields in a horizontally laminated medium, represented by an infinite succession of sheets of thickness h and resistivities ρ_1 and ρ_2. The field of a plane electromagnetic wave, studied in magnetotelluric prospecting, (also in magnetotelluric sounding and magnetotelluric profiling) and the field of the point source of direct current, studied in vertical sounding, are discussed. Calculations are given which allow the determination of conditions under which a horizontal-laminar medium may be regarded as uniformly anisotropic.

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

S/169/62/000/006/041/093
D228/D304

AUTHOR: Berdichevskiy, M. N.

TITLE: Magneto-telluric field in a horizontally homogeneous medium

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 33, abstract 6A250 (V sb. Prikl. geofizika, no. 31, M., 1961, 136-164)

TEXT: An analysis is given of the magneto-telluric field at the surface of a homogeneously conducting horizontal bed and at the surface of a homogeneously conducting tapering bed; both beds are underlain by an insulator. The primary field is set as a downwards falling flat-homogeneous monoharmonic wave. The problem was solved by means of the method of images. Only conduction currents were taken into account in the calculations. The procedure is stated for the use of the method of images to solve magneto-telluric problems. It was found that at the surface of the homogeneously conducting bed underlain by an insulator the magnetic field coincides with

Card 1/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

the primary wave's magnetic field, i.e. it is independent of the medium's electric parameters. The amplitude of telluric variations, observable at the ground surface in this case, in the interval S is inversely proportional to the total longitudinal conductivity S. At the surface of the homogeneously conducting bed underlain by an insulator there are the following correlations: In the interval S the submergence of the insulating base's surface is accompanied by the marked diminution of the amplitudes of the telluric variations. The relation between the amplitudes of telluric variations and the depth of the insulating base's surface weakens abruptly in the high-frequency region. In the interval S the phases of the telluric variations vary in the range of several tens of degrees. A report is given of the character of coefficients of the linear congruences (material or complex) in relation to the nature of the profile changes. It is shown that the magnetic field depends less on the change in the depth of the insulating base than the electric field. In the low-frequency region the submergence of the surface is accompanied by a marked increase in the amplitude of H_x. The relation between the amplitude of H_x and the depth of the insulating base's

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

surface practically disappears in the right part of the interval S. For the components H_y and E_x the curves of magneto-telluric sounding (MTS), set at the surface of the tapering bed, practically coincide with those for the case of a homogeneously conducting horizontal bed underlain by an insulator; the curves of MTS for the components E_y and H_x differ markedly from them. Comparison of the wave and the static models shows that the divergence of the component E_x in the interval S does not exceed 10% for the case of the tapering bed underlain by an insulator. The component E_y is constant in the static solution range, whereas it follows from the wave solution that on the sinking of the insulating base E_y diminishes like $1/S^{\beta}$, where β reaches unity. The concordance of the results of the wave model's analysis with empirical facts is illustrated by the data of magneto-telluric surveys, carried out within the Dneprovsko-Donetskaya and Polish-Lithuanian Basins and the West Siberian Lowlands. /Abstracter's note: Complete translation./

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.; NIKITENKO, K.I.

Methodology of determining the stratigraphic relation of a test horizon in the method of telluric currents. Prikl. geofiz. no.33:102-123 '62. (MIRA 15:10)
(Earth currents) (Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

S/169/63/000/001/054/062
D263/D308

AUTHOR: Berdichevskiy, M.N.

TITLE: The perspectives of magnetotelluric profiling

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 29-30, abstract 1D160 (Razvedka i okhrana nedr., 1962, no. 2, 34-48)

TEXT: A brief description is given of the principle of magnetotelluric profiling (MTP), developed by VNIIGeofizika over 1958-1960, which allows the relief of the nonconducting base of sedimentary layers to be determined. Regions with a constant geoelectric section are most suitable for the application of the MTP method, although MTP may also be used in more complicated cases, in conjunction with seismic-prospecting and deep boring. Intermediate layers of higher electric resistivity do not interfere. In small-scale surveys MTP is preferable to the method of telluric currents. Examples are quoted which confirm the advisability of MTP both in regional surveys and (under favorable conditions)

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

S/169/63/000/001/054/062
D263/D308

The perspectives of ...

during the search for larger local structures.
[Abstracter's note: Complete translation]

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.; SHULDEYEV, M.P.

New procedures in processing observations in the method of telluric currents and magnetotelluric profiling. Razved.i prom.geofiz. no.44:55-62 '62. (MIRA 15:7)

(Electric prospecting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.; KOPELEV, Yu.S.; LANTSOV, A.Ye.

Study of the geology of the northern part of the West Siberian Plain by the magnetotelluric profiling method. Trudy NIIGA 132:133-139 '62. (MIRA 16:4)
(West Siberian Plain--Electromagnetic prospecting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.; BRYUNELLI, B.Ye.; LANTSOV, A.Ye.; RASPOPOV, O.M.

Use of natural electromagnetic variations for studying the upper layers of the earth. Uch.zap.LGU no.303:49-55 '62. (MIRA 15:11)

(Electromagnetic prospecting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.; VEDRINTSEV, G.A.

Differential transformations of electric sounding curves. Razved. i okh. nedr 29 no.7:46-49 Jl '63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

(Electric prospecting)
(Transformations (Mathematics))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

ACCESSION NR: AT4028560. S/2552/64/000/038/0099/0108

AUTHOR: Berdichevskiy, M. N.

TITLE: Linear couplings in a magnetotelluric field

SOURCE: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki. Prikladnaya geofizika, no. 38, 1964, 99-108

TOPIC TAGS: linear coupling, magnetotelluric field, magnetotelluric sounding, magnetotelluric profile, telluric current method, magnetovariation survey, primary radiation

ABSTRACT: The author attempts to fill the gaps in the theory of magnetotelluric methods of survey in the process of observing magnetotelluric sounding, magnetotelluric profile, telluric current method, and the magnetovariation survey which comes from the assumption that the constituents of the magnetotelluric field are mutually linearly coupled. The author assumes the following: 1) the sources of the magnetotelluric field are located sufficiently distant from the observing region, 2) the observation region has limited dimensions, 3) the period of the magnetotelluric variations is substantially less than a 24-hour day, and 4) the Earth's surface is considered to be a plane. Through a series of mathematical arguments,

Card 1/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

ACCESSION NR: AT4023560

the author produces a system of linear ratios between the complex amplitudes of the components of the magnetotelluric field at certain points and the values which characterize primary radiation. The author states (and subsequently proves) the theorem between the complex amplitudes U_l, U_m, U_n of any three components of the magnetotelluric field a linear coupling of the type

$$U_l = A_{lm}U_m + A_{ln}U_n \tag{11}$$

exists in a general case. The author applies the theorem in the following cases: coupling between the horizontal components of the telluric and magnetic fields at a point p; coupling between the components of the magnetic field at point p; coupling between the horizontal points of the telluric field at points p and q; coupling between the horizontal components of the magnetic field at points p and q. Between the parameters K_p^q, N_p^q and the values of the effective impedance at points p,q there exists a simple coupling. This coupling allows the values of the parameter K_p^q to be found according to the data of the magnetotelluric profile, magnetovariation survey and the value of parameter N_p^q to be found according to the data of the magnetotelluric profiling and the telluric current method. Orig. art. has: 31 formulas and 1 figure.

ASSOCIATION: None

Card 2/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

ACCESSION NR: AT4032736 S/2604/63/000/050/0070/0074

AUTHOR: Berdichevskiy, M. N.

TITLE: Processing of telluric observations obtained at quasilinear polarization of the field

SOURCE: Moscow. Vses. n-i. inst. geofiz. metod. razv. Razvedochn. i promy*sl. geofiz., no. 50, 1963, 70-74

TOPIC TAGS: telluric observations, linear polarization, quasilinear polarization, parallelogram method, linear relation vectorial variation, square, parallelogram, Jacobian, linear equation, recording channel

ABSTRACT: The processing of telluric observations depends upon the parameter K which is impossible to determine in the case of linear polarization of the field. It is possible to determine the parameter K in the case of quasilinear polarization, but not sufficiently accurately for field conditions. The author discusses a new method for determining parameter K called the "method of parallelograms." This method is based on linear relations between the

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

ACCESSION NR: AT4032736

vectorial variations at basic and field conditions. A square is transformed into a parallelogram. If the area of the square is equal to the area of the parallelogram, the parameter K may be determined by the Jacobian of two linear equations connecting the basic and field conditions of the vectorial variations. The method of parallelograms consists in determining the constants which characterize the sensitivity of the recording channels, plotting diagrams of the vectorial variations, transforming squares into parallelograms, and then determining the parameter K. Orig. art. has: 2 figures, 1 table, and 11 formulas.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 07May64 ENCL: 00

SUB CODE: ES NO REF SOV: 001 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.

Linear relations in a magnetotelluric field. Prikl. geofiz. no.38:99-108 '64. (MIRA 18:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.; CHERNYAVSKIY, G.A.; BUKHNIKASHVILI, A.P.; GUGUNAVA, G.Ye.; KEBULADZE, V.V.; LASHKHI, A.S.

Results of magnetotelluric investigations in Georgia. Razved. i okh. nedr 30 no.4:35-39 Ap '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki (for Berdichevskiy, Chernyavskiy). 2. Institut geofiziki AN GruzSSR (for Bukhnikashvili, Gugunava, Kebuladze, Lashkhi).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.N.

Processing of telluric observations with quasilinear field polarization. Razved. i prom. geofiz. no.50:70-74 '63. (MIRA 18:3)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

L 36360-66 EWT(1) GW/JT

ACC NR: AP6005330 SOURCE CODE: UR/0413/66/000/001/0068/0068

INVENTOR: Alekseyev, A. M.; Berdicheyskiy, M. N.; Boltalin, A. P.; Bryunelli, B. Ye.; Lantsov, A. Ye.

ORG: none

TITLE: Device for simultaneous registration of variations of 5 components of the earth's natural electromagnetic field. Class 21, No. 177561 [announced by the All-Union Scientific Research Institute for Geophysical Methods of Prospecting (Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki) and Mytishchino Instrument Manufacturing Plant (Mytishchinskiy priborostroitel'nyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 68

TOPIC TAGS: earth magnetic field, electromagnetic field, ~~electromagnetic variation registration~~ potentiometer, geophysic instrument

ABSTRACT: An Author Certificate has been issued describing a device for simultaneous registration of variations of 5 components of the earth's natural electromagnetic field, using the magnetotelluric method.

Card 1/2 UDC: 621.389.550.837.6

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

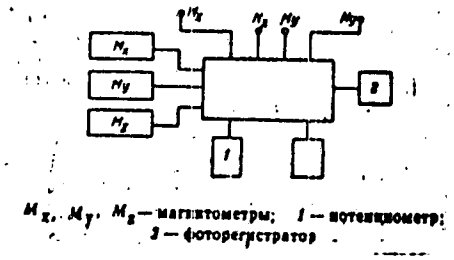
"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

L 36360-66

ACC NR: AP6005330

For more precise measurement, the device is equipped with a precision potentiometer feeding calibrated pulses into the electric and magnetic channels of the system and identifying them. The magnetometers are designed in the form of photoelectric converters with magnetostatic data units and negative feedback. The device is equipped with a general photorecorder for simultaneous remote registration on ordinary photographic film of the variations in the observed fields (see fig. 1). Orig art. has: 1 figures.

[LD]



M_x, M_y, M_z — магнитометры; 1 — потенциометр; 2 — фоторегистратор

Fig. 1. Device for simultaneous registration of variation of 5 components of the earth's natural electromagnetic field. M_x, M_y, M_z — magnetometers; 1 — potentiometer; 2 — photorecorder

SUB CODE: 08/ SUBM DATE 08Mar63/

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.Ya.

"Anamnestic" concussions of the brain. Vop. psikh. i nevr. no.5: 110-124 '59. (MIRA 14:5)

1. Nauchnyy rukovoditel' - zamestitel' nachal'nika kafedry nervnykh bolezney Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova prof. A.G.Panov.

(BRAIN—CONCUSSION)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.Ya., mayor meditsinskoy sluzhby

Diagnosis and lengths of hospitalization of patients with brain concussion. Voen.-med.zhur. no.9:19-25 S '59. (MIRA 13:1)
(BRAIN, wds. & inj.)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.Ya.

Case of bilateral neuritis of the facial nerves of a toxico-allergic nature. Vop.psikh.i nevr. no.7:452-454 '61. (MIRA 15:8)
(NEURALGIA, FACIAL)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M. Ya., kand. med. nauk (Murmansk)

Multiple abscesses of the brain following tonsillectomy. Vest. otorin. no.2:105-106 '62. (MIRA 15:2)

(BRAIN—ABSCESS) (TONSILS—SURGERY)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.Ya., kand.med.nauk

Cerebral complications following tonsillectomy. Sov. med. 25 no.2:52-57 F '62. (MIRA 15:3)
(TONSILS—SURGERY) (BRAIN—DISEASES)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.Ya., kand. med. nauk; NAZAROV, I.P.

Treatment of lumbosacral radiculitis with epidural injection of vitamin B_{12} and novocaine. Klin. med. 41 no.9:142-144 S'63 (MIRA 17:3)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.Ya., kand. med. nauk; BYSTRITSKIY, S.Ye.

Diencephalic-hypophysial disease with acromegaly, syndrome caused by influenzal infection. Probl. endok. i gorm. 9 no.4: 97-98 N-D 163. (MIRA 17:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, M.Ya., podpolkovnik meditsinskoy sluzhby, kand. med. nauk

Some causes of the complications occurring during the residual period of slightly closed cerebrocranial traumas. Voen.-med. zhur. no.6:16-20 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SOV/137-59-1-571

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 75 (USSR)

AUTHOR: Berdichevskiy, M. Z.

TITLE: VK4 -- grade Hard Alloy (Tverdyy splav marki VK4)

PERIODICAL: Byul. tekhn.-ekon. inform. Sov. rar. kh-va Rostovsk. ekon. adm. r-na, 1958, Nr 3, p 17

ABSTRACT: The author reports on the testing of cutting tools made of the VK4-grade hard alloy, developed by VNIITS (All-Union Scientific Research Institute for Hard Alloys), at the Rostsel'mash plant in the machining of machine parts of grey iron SCh 18 - 36 having an H_B of 170 - 229. The tests demonstrated excellent performance. It is recommended that VK4 be used instead of VK8 for machining grey iron and that it also be used to replace the VK2 alloy.

I. B.

Card 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, N. M.

36722. Usovershenstvovaniye Ruchnikh Kirpicherezatel'nykh Stankov Dlya Odnovremennoy Rezki 4 Shtuk Syrtsa. Trudy Kievsk. Tekhnol In-Ta Silikatov, T I, 1949, s. 100-03.

SO: Letopis' Zhurnal'nykh Statey Vol. 50, Moskva, 1949

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

VARVAK, P.M.; KIRIYENKO, V.I.; CHUDNOVSKIY, V.G.; KRYLOV, V.I.; BRAUDE, Z.I.; EKIMYAN, V.A.; IVANOV-DYATLOV, A.I.; FRANOV, P.I.; ASHARKOV, A.Ye.; BERDICHEVSKIY, N.M.; IZAKSON, S.I.; KOZLOV, V.I.; KOLESNIK, K.S.; KUYDICH, S.A.; SVERDLOV, A.I.; SIMON, Yu.A.; SHEYNFAYN, S.R.; BOLOTIN, V.V.; GOL'DENBLAT, I.I.

Book reviews and bibliography. Stroi. mekh. i rasch. scor. 3 no.6:46-50 '61. (MIRA 15:4)
(Bibliography--Structures, Theory of)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

PHASE I BOOK EXPLOITATION SOV/3876

Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

Prikladnaya geofizika; sbornik statey, vyp. 18 (Applied Geophysics; Collection of Articles, No. 18) Moscow, Gostoptekhizdat, 1958, 266 p.
Errata slip inserted. 3,000 copies printed.

Ed.: A.I. Bogdanov; Executive Ed.: N.P. Dobrynina; Tech. Ed.: E.A. Mukhina.

PURPOSE: The book is intended for engineers, technicians, geophysicists, and persons interested in the geophysical methods of petroleum prospecting.

COVERAGE: The book is a collection of 16 articles dealing with the theoretical and practical problems of electrical sounding, seismic prospecting and gravimetry. Advances in electrical prospecting in not easily accessible regions and in the ocean are treated for the first time in Soviet literature. New methods for the investigation and detection of radioactive emissions of drill holes, as well as optical and luminescence logging are analyzed. No personalities are mentioned. References accompany most of the articles.

Gal'perin, Ye.I., G.A. Krasil'shchikova, V.I. Mironova, and A.V. Proleva. Methods and Techniques of the Application of Stereographic Projections for the Solution of Spatial Problems in Geometric Seismics 5

Gurbatova, V.P. Intensity of Refracted and Reflected Longitudinal Waves at Angles of Incidence Less Than Critical 30

Gutkin, N.V., and A.I. Kiselevskiy. Some Problems of the Theory and Design of the Output Stage of a Seismic Amplifier and Galvanometer 61

Zverkhin, Ye.I. Theoretical Principles of Electrical Sounding With an Installation Immersed in Water 78

Kistanov, A.K., N.N. Burlichevskiy, and A.M. Zagrodnik. Application of New Methods of Electrical Prospecting in Siberia 105

Burlichevskiy, N.N. Methods of Curvilinear Electrical Soundings 128

Kovalenko, I.I. Application of the Loop (Spear) Method for the Exploration of Buried Structures 145

Klushin, I.G. Method of Integral Transformations in the Geological Interpretation of Gravitational Anomalies 173

Nemtsov, B.P. Density Characteristics of a Geological Cross Section of the Mesozoic and Cenozoic of the Western Part of the Western Siberian Lowland 186

Kozlyanovskiy, B.V. Some Relations Between Errors in Gravimeter Observations of a New Network in the Case of a Linear Change of the Null Point 198

Shmel'tsed, S.E. Instrument for Controlling the Distribution of Cement Around a Casing Column 210

Gelfin, I.A. Some Problems in Gas Logging 232

Shcherbakova, T.V. Luminescence Logging 246

Shcherbakova, T.V. Optical Methods for Investigation of Bore Holes 257

Veretskiy, V.S. Method for Detecting Radioactive Emissions of Very Small Intensity 276

Pasyrev, N.N. Relationship Between the Observation Control Density and the Grid Interval of Geophysical Maps 279

AVAILABLE: Library of Congress (TN269.P7)

Card 4/4

JA/cdr/mas
8-18-60

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, N.V.; RADIN, A.M.

Economic factors in road construction during the winter. Avt. dor. 22 no.8:6-7 Ag '59. (MIRA 12:11)
(Road construction--Cold weather conditions)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, Naum Vladimirovich; ZUBKOVA, M.S., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Effect of winter road construction on technical and economic indices of highway engineering] Vliianie zimnikh dorozhno-stroitel'nykh rabot na tekhniko-ekonomicheskie pokazateli stroek. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 23 p. (MIRA 13:11)

(Road construction--Cold weather conditions)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

GOLOVANOV, G.A., gornyy inzh.; BERDICHEVSKIY, R.I., gornyy inzh.; PTITSYN, Yu.V., gornyy inzh.; LAVRENT'YEV, V.A., gornyy tekhnik

Redesigning the Olenogorsk Ore Dressing Plant. Gor.zhur. no.8:55-57 Ag '62. (MIRA 15:8)

1. Olenegorskiy gorno-obogatitel'nyy kombinat.
(Olenogorsk region--Ore dressing)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

SHAKHMATOV, S.S., gornyy inzh.; USACHEV, P.A., gornyy inzh.; YEFREMOV, A.G., gornyy inzh.; ZELENOV, P.I., gornyy inzh.; BERDICHEVSKIY, R.I., gornyy inzh.

Using flotation and settling for dressing nonmagnetic ores. Gor. zhur. no.7:60-62 Jl '64. (MIRA 17:10)

1. Kol'skiy filial AN SSSR (for Shakhmatov, Usachev, Yefremov). 2. Olenegorskiy gornoobogatitel'nyy kombinat (for Zelenov, Berdichevskiy).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, R.Ya.

Winter rape crops. Zemledelie 6 no.10:76-77 O '58.
(Poland--Rape (Plant)) (MIRA 11:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, B.V., starshiy nauchnyy sotrudnik.

Erroneous recommendation. Zhivotnovodstvo 20 no.1:96 Ja '58. (MIRA 11:1)

1. Kaliningradskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Poultry--Diseases and pests)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, R.V.

A matter of national importance. Zhivotnovodstvo 20 no.4:61-62 Ap '58. (MIRA 11:3)

1. Starshiy nauchnyy sotrudnik Kaliningradskoy sel'skokhozyaystvennoy stantsii.

(Feeding and feeding stuffs)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, R.V., starshiy nauchnyy sotrudnik

Preserving poultry meat with aureomycin (from "Przeglad Jajczarsko-drobiarski," Jan. 1958). Zhivotnovodstvo 20 no. 7:35 Jl '58. (MIRA 11:8)

1. Kaliningradskiy sel'skokhozyaystvennyy opytnoy stantsii.
(Aureomycin)
(Meat--Preservation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, R.V.

Combined use of penicillin and biomycin in raising chicks.
Ptitsevodstvo 9 no.2:33-34 F '59. (MIRA 12:3)

1.Kaliningradskaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Penicillin) (Aureomycin) (Poultry)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, R.V., starshiy nauchnyy sotrudnik

Notes on work at provincial experiment stations. Zhivotnovodstvo 21 no.6:88-90 Je '59. (MIRA 12:8)

1. Kaliningradskaya gosudarstvennaya sel'skokhozyaystvennaya stantsiya.
(Agrucultural experiment stations)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

BERDICHEVSKIY, S., inzh.

Automatized suction dredger. Rech. transp. 22 no.5:37-39 My '63. (MIRA 16:8)

(Dredging machinery) (Automatic control)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

GRIGOR'YEV, Yu.V.; BERDICHEVSKIY, TS.O.

OS-1.2 portable dry transformer. Avtom., telem.i sviaz' 4 no.4: 28-29 Ap '60. (MIRA 13:6)

1. Nachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi (for Grigor'yev). 2. Starshiy inzhener laboratorii signalizatsii i svyazi Severnoy dorogi (for Berdichevskiy).
(Electric transformers)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

GRIGOR'YEV, Yu.V.; BERDICHEVSKIY, TS.O., inzh.

Portable device for testing high-voltage equipment. Avtom., telem. i sviaz' 4 no. 12:23-24 D '60. (MIRA 14:1)

1. Nachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi (for Grigor'yev). 2. Laboratoriya signalizatsii i svyazi Severnoy dorogi (for Berdichevskiy).
(Railroads--Electric equipment--Testing)
(Railroads--Signaling--Block system)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3

GRIGOR'YEV, Yu. V.; BERDICHEVSKIY, TS.O., starshiy inzh.

Portable PKI-59 kenotron device. Avtom., telem. i sviaz' 5 no.5:29-31 My '61. (MIRA 14:6)

1. Nachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi, vneshtatnyy korrespondent zhurnala "Avtomatika, telemekhanika i svyaz'" (for Grigor'yev). 2. Laboratoriya signalizatsii i svyazi Severnoy dorogi (for Berdichevskiy).
(Electric cables—Testing)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200030003-3"