

PONOMAREVA, Margarita Pavlovna; MAN'KOVSKIY, G.I., otvetstvennyy redaktor;
IL'INSKAYA, G.M., tekhnicheskiiy redaktor

[Instruments for measuring hole deviation] Pribory dlia izmereniia
krivizny skvazhin. Moskva, Ugletekhizdat, 1956. 34 p. (MLBA 9:11)
(Oil well drilling--Equipment and supplies)

ИИИИ РАКОВСКИЙ, Г. И.

BEYLINA, TS.O., inzhener; BLAGONADEZHIN, V.Ye., inzhener; BOGUSIAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; VORONKOV, I.M., professor, GITINA, L.Ya., inzhener; GROMAN, M.B., inzhener; GOROKHOV, N.V., doktor tekhnicheskikh nauk [deceased]; DEHISYUK, I.N., kandidat tekhnicheskikh nauk; DOVZHIC, S.A., kandidat tekhnicheskikh nauk; DUKEL'SKIY, M.P., professor, doktor khimicheskikh nauk [deceased]; DYKHOVICHNYI, A.I., professor; ZHITKOV, D.G., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, N.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk; LEVENSON, L.B., professor, doktor tekhnicheskikh nauk [deceased]; LEVIN, B.Z., inzhener; LIPKAN, V.F., inzhener; MARTYNOV, M.V., kandidat tekhnicheskikh nauk; MOLEVA, T.I., inzhener; NOVIKOV, F.S., kandidat tekhnicheskikh nauk; OSETSKIY, V.M., kandidat tekhnicheskikh nauk; OSTROUMOV, G.A.; PONOMARENKO, Yu.F., kandidat tekhnicheskikh nauk; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk; REGIRER, Z.L., inzhener; SOKOLOV, A.N., inzhener; SOSUNOV, G.I., kandidat tekhnicheskikh nauk; STEPANOV, V.N., professor; SHEMAKHANOV, M.M., kandidat tekhnicheskikh nauk; EL'KIND, I.A., inzhener; YANUSHEVICH, L.V., kandidat tekhnicheskikh nauk; BOKSHITSKIY, Ya.M., inzhener, redaktor; BULATOV, S.B., inzhener, redaktor; GASHINSKIY, A.G., inzhener, redaktor; GRIGROYEV, V.S., inzhener, redaktor; YEGURNOV, G.P., kandidat tekhnicheskikh nauk, redaktor; ZHARKOV, D.V., dotsent, redaktor; ZAKHAROV, Yu.G., kandidat tekhnicheskikh nauk, redaktor; KAMINSKIY, V.S., kandidat tekhnicheskikh nauk, redaktor; KOMARKOV, Ye.F., professor, redaktor; KOSTYLEV, B.N., inzhener, redaktor; POVAROV, L.S., kandidat tekhnicheskikh nauk, redaktor; ULINICH, F.R., redaktor; KLORIK'YAN, S.Kh., otvetstvennyy redaktor; GLADILIN, L.V., redaktor;

(Continued on next card)

BEYLINA, TS.O. --- (continued) Card 2.

RUPPENYET, K.V., redaktor; TERPIGOREV, A.M., glavnyy redaktor;
BARABANOV, F.A., redaktor; BARANOV, A.I., redaktor; BUCHNEV, V.K.,
redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V., redaktor; ZADEMID-
KO, A.N., redaktor; ZASYAD'KO, A.F., redaktor; KRASHNIKOVSKIY, G.V.
redaktor; LETOV, N.A., redaktor; DISHIN, G.L., redaktor; MANIKOV-
SKIY, G.L., redaktor; MEL'NIKOV, N.V., redaktor; ONIKA, D.G.,
redaktor; OSTROVSKIY, S.B., redaktor; POKROVSKIY, N.M., redaktor;
POLSTYANOV, G.N., redaktor; SKOCHINSKIY, A.A., redaktor; SONIN,
S.D., redaktor; SPIVAKOVSKIY, A.O., redaktor; STANCHENKO, I.K.,
redaktor; SUDOPLATOV, A.P., redaktor; TOPCHIYEV, A.V., redaktor;
TROYANSKIY, S.V., redaktor; SHEVYAKOV, L.D., redaktor; BYKHOV-
SKAYA, S.N., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy
redaktor; PROZOROVSKAYA, V.L., tekhnicheskii redaktor.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy
spravochnik. Glav.red. A.M. Terpigorev. Chleny glav.red. F.A. Bara-
banov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi
promysh]. Vol.1. [General engineering] Obshchie inzhenernye
svedeniia. Redkollegiia toma S.Kh.Klorik'ian i dr. 1957. 760 p.
(Mining engineering) (MLRA 10:10)

MAN KOVSKY, G. I.

4199. WAYS OF DEVELOPING THE TECHNIQUE OF SPECIAL METHODS FOR THE
SINKING OF MINE BORINGS. MAN KOVSKY, G. I. (Ugol (Coal, Moscow), July
1957, 1-4). The history of methods of dealing with difficult soils, such as
freezing, cement grouting, boring and plugging, abroad and in the U.S.S.R., is
reviewed, and future developments are discussed. (L).

15-57-10-14848

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,
pp 248-249 (USSR)

AUTHOR: Man'kovskiy, G. I.

TITLE: The Immediate Problems of Developing a Technique for
Drilling Shafts (Blizhayshiye zadachi razvitiya tekhniki
bureniya stvolov)

PERIODICAL: Shakhtnoye str-vo, 1957, Nr 1, pp 4-8

ABSTRACT: In the USSR, the drilling of mine shafts with large
diameters is done by rotary methods, using circulatory
flow of drilling muds by air lift. At 30 sites in the
Moscow and Chelyabinsk regions, the L'vov-Volyn' coal
region, and other places, 2 500 m of shaft have been
successfully drilled. The deepest shaft is 332 m deep;
the largest diameter measures 6.3 m. Drilling equipment
planned and constructed by the Ural Machine Works sank
a shaft with a diameter of 6.3 m at a maximum drilling
rate of 20.5 m in one day. This far exceeds the world
record for drilling shafts. The author notes that,

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The Immediate Problems of Developing a Technique (Cont.) 15-57-10-14848

along with these positive results, a number of drilling problems have not been clearly and completely solved. In particular, the problems of cleaning the drilling muds, of methods of reinforcing the shafts, and of depths of drilling have been inadequately treated. The author notes the possibilities of using drilling methods to sink mine shafts to depths of 500 m to 600 m in various regions of the USSR.

Card 2/2

A. I. Rychkov

ПРИЛОЖЕНИЕ
SKOCHINSKIY, A.A.; TERPIGOREV, A.M.; SHEVYAKOV, L.D., SERGEYEV, A.A.;
ZAKHAROV, P.A.; USKOV, S.I.; AGOSHKOV, M.I.; MEL'NIKOV, N.V.;
BRONNIKOV, D.M.; YENIKEYEV, N.B.; PROTOPOPOV, D.D.; SUDOPLATOV,
A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; NAZARCHIK, A.F.; TERPOGOSOV,
Z.A.; BARSUKOV, F.A.; POMORTSEV, A.D.; DEMIDYUK, G.P.; MOLCHANOV,
P.V.; MAKSIMOVA, Ye.P., GRIBIN, A.A.; BAROMENKOV, A.V.; SINDAROVSKIY,
N.S.; BOGOMOLOV, V.I.; KHODOV, L.V.; MOSKAL'KOV, Ye.F.; GONCHAROV,
T.I.

Aleksandr Vasil'evich Kovazhenkov; obituary. Bezop. truda v prom.
l no.12:35 D '57. (MIRA 12:3)
(Kovazhenkov, Aleksandr Vasil'evich, 1906-1957)

MAN'KOVSKIY, G.I.

Tatishchev's mining regulations. Trudy Inst.ist.est.i tekhn.
9:107-124 '57. (MLRA 10:5)
(Tatishchev, Vasilii Nikitich, 1686-1750)

SKOCHINSKIY, A.A.; TERPIGORNV, A.M.; SHEVYAKOV, L.D.; AGOSHKOV, M.I.;
MEL'NIKOV, N.V.; BROHNIKOV, D.M.; YENIKHEYEV, N.B.; NAZARCHIK, A.F.;
TERPOGOSOV, Z.A.; BARSUKOV, P.A.; SERGEYEV, A.A.; PROTOPOPOV, D.D.;
SUDOPLATOV, A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; POMORTSEV, A.D.;
DEMIDYUK, G.P.; KAPITANOV, T.V.; MOLCHANOV, P.V.; MAKSIMOVA, Ye.P.;
GRIBIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY, N.S.; BOGOMOLOV, V.I.;
KHODOV, L.V.; MOSKAL'KOV, Ye.F.

Aleksandr Vasil'evich Kovazhenikov; an obituary. Gor. zhur. no.12:
72 D '57. (MIRA 11:1)
(Kovazhenkov, Aleksandr Vasil'evich, d. 1957)

MAN'KOVSKIY, G.I.

Aspects in the course of development of special mining methods.
Ugol' 32 no.7:1-4 J1 '57. (MLRA 10:7)
(Coal mines and mining)

MAN'KOVSKIY, Grigoriy Il'ich; SHEVYAKOV, I.D., akademik, retsenzent;
~~VOBKOV, A.P., otv. red.~~; VOLOVICH, M.Z., red.izd.; ALADOVA,
Ye.I., tekhn.red.; SHKLYAR, S.Ya., tekhn.red.

[Special methods of shaft sinking] Spetsial'nye sposoby prokhodki
gornyykh vyrabotok. Moskva, Ugletekhizdat, 1958. 453 p.
(Mining engineering) (MIRA 12:2)

MIAN KOVSKIY, G I

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.; GELMSKUL, M.N., kand. tekhn. nauk; GORODNICHIEV, V.M., inzh.; DEMENT'YEV, A.Ya., inzh.; DOKUCHAYEV, M.M., inzh.; DUBNOV, L.V., kand. tekhn. nauk; YEFIFANTSEV, 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. nauk; LITVIN, A.Z., inzh.; MALEVICH, N.A., kand. tekhn. nauk; MAMUKOVSKIY, 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; NEYENBURG, V.Ye., kand. tekhn. nauk; POKROVSKIY, G.I., prof., doktor tekhn. nauk; FROYAVKIN, E.T., kand. tekhn. nauk; ROZENBAUM, inzh.; ROSSI, B.D., kand. tekhn. nauk; SEMEVSKIY, V.N., doktor tekhn. nauk; SKIRGELLO, 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.; KHOZHLOVKIN, 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.; PADEYEV, E.I.,
inzh., red.; CHECHKOV, L.V., red. izd-va; PROZOROVSKAYA, V.L.,
tekhn. red.; NADEINSKAYA, A.A., tekhn. red.

[Mining; an encyclopaedic handbook] Горное дело; энциклопедический
справочник. Глав. ред. А.М. Терпигорев. Москва, Гос. научно-
техническое изд-во лит-ры по угольной промышленности. Vol. 4 [Mining
and timbering] Проведение и крепление горных выработок. Реда-
коллегия тома: Н.М. Покровский... 1958. 464 p. (MIRA 11:7)

(Mining timbering) (Mining engineering)

ИИИИ КОВСКИЙ, Г.И.

24-58-3-35/38

AUTHOR: Solomonov, M.

TITLE: Problems of the Construction and Exploitation of Mining Enterprises. Scientific-Technical Conference at the Institute of Mining, Academy of Sciences USSR (Voprosy stroitel'stva i ekspluatatsii gornykh predpriyatiy. Nauchno-tekhnicheskoye soveshchaniye v Institute gornogo dela Akademii Nauk SSSR)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 3, p 173 (USSR)

ABSTRACT: On November 20-21, 1957, a conference took place on the problems of the construction and exploitation dealing with the mineral deposits under complicated hydrological and geological engineering conditions. The conference was organized by the Institute of Mining together with the Central Administration of the Scientific-Technical Society; 320 delegates, nearly all representatives of the appropriate large enterprises, were present. The conference was opened by Academician L. D. Shevyakov. At the plenary meeting of the conference the following papers were presented: A. T. Bobryshev on "Hydrological conditions of the Yakovlev deposits of the Belgorod iron ore district of the Kursk Magnetic Anomaly (KMA) and the corresponding scheme of the lowering of the water level and

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24-58-3-35/38

Problems of the Construction and Exploitation of Mining Enterprises.
Scientific-Technical Conference at the Institute of Mining, Academy
of Sciences USSR.

draining undertakings". M. I. Agoshkov on "Methods of opening workings and the systems of exploitation of the rich iron ores of the Belgorod district of the Kursk Magnetic Anomaly"; G. N. Man'kovskiy on "The tasks of scientific research in the field of construction and exploitation of mining enterprises of soaked deposits"; I. V. Popov on "The task of engineering geology in connection with the appraisal of conditions of opening and exploitation workings of deposits"; S. A. Krivorog on "Methods of draining of heavily water-soaked coal deposits and ways of their perfection"; H. F. Unkovskaya and M. N. Gusarev on "Mining works under conditions of water-soaked karst"; D. I. Malievancv on "New equipment in shaft construction by special methods". Several papers were submitted in the conference sections: "On the introduction into practice of blasting timber technique in the Mironov Basin"; "On the experience of sinking main (entry) shafts under the complicated hydrological conditions of the Tula coal deposits"; "Exploitation of main shafts in the frozen quaternary coal deposits of Vorkuta". "On the influence of soaking upon the development procedure of the polymetallic ores of Zyrankovskoye deposit";

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24-58-3-35/38

Problems of the Construction and Exploration of Mining Enterprises.
Scientific-Technical Conference at the Institute of Mining, Academy
of Sciences USSR.

"On the opencast workings of the Kursk Magnetic Anomaly
Lobedinskoye deposit under complicated geological conditions";
"On drainage methods of opencast workings tracts of Maryevskoye
and Aleksandrovskoye deposits in the Nikopol' manganese basin";
"Experience in the planning of drainage works in the opencast
workings of waterlogged coal deposits" (example set by Ukgi-
proshakht); "On the experience of construction and opencast
workings of Bashkirya"; "Prediction methods of engineering -
geological conditions in opening and development procedure
in mineral bearing tracts"; (based on the experience of KMA);
"On vertical drainage under the conditions of shaft waters
being dropped down to the karst-layers level" (exemplified
by the Cheremkha coal-bearing tract); "On the draining oper-
ation of Iletskoye and Salovinskoye deposits of rock salt"; and
others. The conference emphasized the necessity of the im-
provement of the existing organizations of hydrological and
engineering-geological works, the furthering of rock pressure
laws learning, the perfecting of development operations, full-

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24-58-3-35/38

Problems of the Construction and Exploitation of Mining Enterprises.
Scientific-Technical Conference at the Institute of Mining, Academy
of Sciences USSR.

size diameter shaft drilling; rock freezing, stopping of
cracked rocks and lowering of the water level. Taking the
complicated innate conditions of iron ore deposits of the
Kursk Magnetic Anomaly into consideration, the conference
stressed the purposefulness of the scientific-exploratory
works of the Lebedinskiy open pit workings - now in reconstruc-
tion - to be carried through - to fix up stable angles of
slopes (dip).

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1. Mining--Conference--USSR

MAN'KOVSKIY, G.I.

127-58-5-5/30

AUTHORS: Shevyakov, L.D., Academician, and Man'kovskiy, G.I., Doctor of Technical Sciences

TITLE: Problems of Fighting Water During the Construction and Operation of North Urals Bauxite Mines (Problemy bor'by s vodoy pri stroitel'stve i ekspluatatsii Severoural'skikh boksitovykh rudnikov)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, pp 19-24 (USSR)

ABSTRACT: The Severoural'skiy boksitovyy basseyn (North Urals bauxite basin) was discovered in 1931. The basin is one of the world's richest, and the ore quality is on a par with the world's best deposits of bauxite. The ore bodies have a peculiar morphology and their thickness varies considerably; in the most of the sections from 2 to 12 m. Hydrogeological conditions are very difficult. Various measures are proposed to cope with very high water discharges, among them are hydrotechnical measures, such as hydraulic isolation of the river beds and the digging of a network of ditches to prevent the infiltration of atmospheric precipitations into the karst areas, and the lowering of the

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127-58-5-5/30

Problems of Fighting Water During the Construction and Operation of North
Urals Bauxite Mines

piezometric pressure of the fissure-karst waters. The preliminary water-level lowering can be brought about by drifting special drainage workings and drilling bore holes. After studying this problem, the conclusion is reached that the most expedient method is by means of vertical shafts - especially by a group of shafts sunk alternately, the so-called "stepping shafts method". The sinking of the shafts should be carried out by a special method involving water-level lowering by means of depth pumps.

ASSOCIATION: Institut gornogo dela AN SSSR (Institute of Mining AS USSR)

AVAILABLE: Library of Congress

Card 2/2 1. Mines-Water destruction

MAN'KOVSKIY, G.I., doktor tekhn. nauk

New tasks in the field of mine drainage and special mining
methods. Shakht. stroi. no.7:3-6 '58. (MIRA 11:9)
(Mining engineering) (Mine drainage) (Soil freezing)

SHEVYAKOV, L.D., akademik, red.; YERSHOV, N.N., red.; MAN'KOVSKIY, G.I.,
doktor tekhn.nauk, red.; MEL'NIKOV, N.V., red.; NIKONOV, G.P.,
red.; TRUPAK, N.G., red.; UNKOVSKAYA, N.F., red.; USKOV, A.A.,
red.; YERSHOV, N.N., otv.red.; CHEKHOVSKAYA, T.P., red.izd-va;
KOROVENKOVA, Z.A., tekhn.red.

[Transactions of the scientific-technological conference on
problems of building mining enterprises in mineral deposit areas
with difficult hydrogeology and engineering geology conditions] Trudy
Nauchno-tekhnicheskogo soveshchaniia po voprosam stroitel'stva i
ekspluatatsii gornyykh predpriatii na mestorozhdeniyakh poleznykh
iskopaemykh so slozhnymi gidrogeologicheskimi i inzhenerno-geo-
logicheskimi usloviyami. Moskva, Ugletekhizdat, 1959. 510 p.

(MIRA 12:12)

1. Nauchno-tekhnicheskoye soveshchaniye po voprosam stroitel'stva i
ekspluatatsii gornyykh predpriyatii na mestorozhdeniyakh poleznykh
iskopayemykh so slozhnymi gidrogeologicheskimi i inzhenerno-geologi-
cheskimi usloviyami. Moscow, 1957. 2. Institut gornogo dela AN SSSR
(for Man'kovskiy, Unkovskaya). 3. Predsedatel' pravleniya Nauchno-
tekhnicheskogo gornogo obshchestva (for Uskov).
(Mining engineering) (Mining geology)

MAN'KOVSKIY, G.I., prof., doktor tekhn. nauk.

Control of karst waters in mine building. Shakh. stroi. no.1:7-12
Ja '59. (MIRA 12:1)
(Mining engineering) (Karst) (Water, Underground)

18(5),14(5)
AUTHORS:

SOV/127-59-2-1/21
Mel'nikov, N.V., Man'kovskiy, G.I., Afendikov, N.N.,
Simkin, B.A.

TITLE:

On the Tasks in the Development of the Iron-Ore Industry in the Kursk Magnetic-Anomaly (Zadachi razvitiya zhelezorudnoy promyshlennosti na Kurskoy magnitnoy anomalii)

PERIODICAL:

Gornyy zhurnal, 1959, Nr 2, pp 3-5 (USSR)

ABSTRACT:

The authors recite a long series of tasks which must be fulfilled in order to complete the development of the mining- and heavy-industry basin of Kursk - Belgorod. The territory to be exploited is about 600 km long and 100 km wide. The deposits are 40 to 60 m thick in the North, 300 to 350 m and even more in the South. The advantages of the local ore are said to be easy recuperation, rich iron contents (69%), low percentage of silica, and in many cases the possibility of using open pits. Iron-ore deposits of the Belgorod areas are estimated to be 15 to 17 billion tons. **The Pogrometskaya deposits** (in the center

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SOV/127-59-2-1/21

On the Tasks in the Development of the Iron-Ore Industry in the Kursk Magnetic-Anomaly

of the magnetic anomalies occurring at Novyy Oskol) are said to contain more than 350 million tons. Ore layers in the **Lebedinskoye, Mikhaylovskoye, Yuzhno-Lebedinskoye, Stoylenskoye deposits** are suitable for open-pit mining. There is much water in the entire KMA (Kursk Magnetic-Anomaly). The stage of operations at several points of the mining area is shortly described, and prospects for operations in the next years or at the end of the running 7-Year-Plan are given. A huge excavator ESh-14/75 is being assembled in the **Lebedinskiy open-pit**. The access RR as well the power transmission line are already completed in the **Mikhaylovskoye area**. A table is given showing the estimated deposits, the prospective annual output, the amount of rock to be removed and the strip coefficient at 5 open-pit areas: **Lebedinskiy (osnovnoy and yuzhnyy), Stoylenskiy, Mikhaylovskiy, Kurbinskiy**. The **Gostishevskoye deposits** are said to

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On the Tasks in the Development of the Iron-Ore Industry in the Kursk Magnetic-Anomaly

contain about 6 billion tons. The **Yakovlevskoye deposits** in the area of Belgorod will furnish about 15 million tons of rich ore yearly. Special preliminary tasks are listed which must be quickly carried out by the Institut gornogo dela AN SSSR (Institute of Mining attached to the **AS SSSR**), by the Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva (Ukrainian Scientific Research Institute for the Organization and Mechanization of Mine Construction), and by the Yuzhgiproruda Institute. The tasks concern especially the **Yakovlevskoye deposits** with their particular problems of freezing mines and mine drainage. There is 1 table.

Card 3/3

MAN'KOVSKIY, G.I., doktor tekhn.nauk; VERKHOVSKIY, I.M., doktor tekhn.
nauk; LAVROVA, S.N., kand.geol.-minер.nauk; BARANOVSKIY, Yu.V.,
inzh.

Reclaiming the flushing fluid by means of hydrocyclones. Shakt.
stroil. no.6:6-11 Je '59. (MIRA 12:9)
(Hydraulic mining) (Separators (Machines))

MAN'KOVSKIY, G.I., doktor tekhn. nauk, prof.

Shaft sinking in foreign countries. Shakht. stroi. no.12:24-27
D '59. (MIRA 13:3)

(Shaft sinking)

MAN'KOVSKIY, G.I.

A.F.Deriabin's report on the reorganization of mining in
Russia. Trudy Inst.ist.est.i tekhn. 25:44-83 '59.
(MIRA 13:4)

(Mining engineering)
(Deriabin, Andrei Feodorovich, 1770-1820)

MAN'KOVSKIY, G.I.

"Heig" Mine in Whitehaven. Ugol' 34 no.12:48-49 D '59.

(MIRA 13:4)

(Great Britain--Mining engineering) (Great Britain--Methane)

MAN'KOVSKIY, G.I.; LUK'YANOV, V.S.; DOLGOV, O.A.; YERSHOV, N.N.; MATANOVA,
E.M.; SBOYEVA-FILINA, K.V.; VOLKOVA, V.A., red. izd-va; SUKHININA,
N.D., tekhn. red.

[Methods of calculating the basic parameters of rock freezing processes in shaft sinking with the help of a hydraulic integrator] Metodika rascheta s pomoshch'iu gidrointegratora osnovnykh parametrov protsessa zamorazhivaniia gornykh porod pri prokhodke shakhtnykh stvolov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. 53 p.

(MIRA 14:5)

(Integrators)

(Soil freezing)

MAN'KOVSKIY, G.I., doktor tekhn.nauk

Drift mining in foreign countries. Shakht.stroi. 4 no.7:
29-32 } of cover J1 '60. (MIRA 13:7)
(Mining engineering)

KOZLOV, F.R. ; KOSYGIN, A.N. ; ZASYAD'KO, A.E. ; NESMEYANOV, A.N. ; ANTROPOV, P.Ya. ;
YELYUTIN, V.P. ; HUDAKOV, A.P. ; KIRILLIN, V.A. ; TOPCHIYEV, Al-dr V. ;
BLAGONRAVOV, A.A. ; SHEVYAKOV, L.D. ; SHILIN, A.A. ; MEL'NIKOV, N.V. ;
KRASNIKOVSKIY, G.V. ; TOPCHIYEV, A-y V. ; BOYKO, A.A. ; BRATCHENKO, B.F. ;
GRAFOV, L.Ye. ; KUZ'MICH, A.S. ; KRATENKO, I.M. ; MAN'KOVSKIY, G.I. ;
PLAKSIN, I.N. ; AGOSHKOV, M. I. ; SPIVAKOVSKIY, A. O. ; POCHENKOV, K. I. ;
KRASOZOV, I.P. ; KOZHEVIN, G.V. ; LINDENAU, N. I. ; KUZNETSOV, K.K.

Academician A.A.Skochinski; obituary. Bezov.truda v prom. 4 no.11:
18-19 N '60. (MIRA 13:11)

(Skochinski, Aleksandr Aleksandrovich, 1873-1960)

MAN'KOVSKIY G.I., zasluzhennyy deyatel' nauki i tekhniki

M.N. Shkabara's book and a review of it. Shakht. stroi. 4 no.12:26-
29 D '60. (MIRA 13:12)

1. Chlen-korrespondent AN SSSR.
(Drilling fluids) (Mining engineering)

KOZLOV, F.R. ; KOSYGIN, A.N. ; ZASYAD'KO, A.F. ; NESMEYANOV, A.N. ;
ANTROPOV, P.Ya. ; YELYUTIN, V.P. ; HUDAKOV, A.P. ; KIRILLIN, V.A. ;
TOPCHIYEV, Aleksandr V. ; BLAGONRAVOV, A.A. ; SHEVYAKOV, L.D. ;
SHILIN, A.A. ; MEL'NIKOV, N.V. ; KRASNIKOVSKIY, G.V. ; TOPCHIYEV,
Aleksy V. ; BOYKO, A.A. ; BRATCHENKO, B.F. ; GRAFOV, L.Ye. ; KUZ'MICH,
A.S. ; KRATENKO, I.M. ; MAN'KOVSKIY, G.I. ; PLAKSIN, I.N. ; AGOSHKOV, M.I. ;
SPIVAKOVSKIY, A.O. ; POCHENKOV, K.I. ; KRASOZOV, I.P. ; KOZHEVIN, G.V. ;
LINDENAU, N.I. ; KUZNETSOV, K.K.

Academician A.A.Skochinskii; obituary. Mast.uql. 9 no.11:22 N '60.
(MIRA 13:12)

(Skochinskii, Aleksandr Aleksandrovich, 1873-1960)

MAN'KOVSKIY, G. I.

History of the study of the Kursk Magnetic Anomaly. Trudy Inst. 1st.
est. i tekhn. 33:3-16 '60. (MIRA 13:8)
(Kursk Magnetic Anomaly)

1 MAN'KOVSKIY, G. I.

Deep ground water level lowering in lignite open-pit mines of the
Rhine Basin. Ugol' 35 no.7:55-58 J1 '60. (MIRA 13:7)
(Germany, West--Lignite)

MAN'KOVSKIY, G.I.

Engineering and science in mining construction. Shakht. stroi.
5 no.10:4-7 0 '61. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR.
(Mining engineering)

MAN'KOVSKIY, Grigoriy Il'ich; PODOLYAKO, Leonid Georgiyevich; GADZHIN-
SKAYA, M.A., red. izd-va; SHKLYAR, S., tekhn. red.

[Special methods of shaft sinking in the German Federal
Republic and Holland] Prokhodka stvolov shakht spetsial'nykh
sposobami v FRG i Gollandii. Moskva, Gos. nauchno-tekhn. izd-
vo lit-ry po gornomu delu, 1961. 204 p. (MIRA 14:8)
(Germany, West—Shaft sinking) (Netherlands—Shaft sinking)

MAN'KOVSKIY, G. I.

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- KOLBASIN, G. M., Soviet Research Institute of Mining Industry [sic] - "Mechanization of supports and roof control of mines in the Soviet Union" (Section IV)
- LIDIN G. D., Academy of Sciences USSR - "Up-to-date methods of prognosis of methane emission in coal mines" (Section V)
- MAN'KOVSKIY, G. I., Institute of Mining, Academy of Sciences USSR - "Development of shaft mining techniques in the USSR" (Section I)

Reports to be submitted for the Symposium on Mechanization of Mines in India, Dhanbad, India, 9-12 December 1961

MAN'KOVSKIY, G.I.

Theoretical bases of an optimum procedure for freezing rocks.
Shakht.stroi. 6 no.4:6-10 Ap '62. (MIRA 15:4)

1. Chlen-korrespondent AN SSSR.
(Soil freezing) (Shaft sinking)

MAN'KOVSKIY, G.I.

Symposium in India on mechanization in the mining industry.
Shakht. stroi. 6 no.7:25-27 JI '62. (MIRA 15:7)

1. Chlen-korrespondent AN SSSR.
(Mining engineering--Congresses)

SHEVYAKOV, L.D., akademik; MAN'KOVSKIY, G.I.

Problems in utilizing the wealth of the Kursk Magnetic Anomaly.
Gor. zhur. no.9:3-9 8 '62. (MIRA 15:9)

1. Chlen-korrespondent AN SSSR (for Man'kovskiy).
(Kursk magnetic anomaly--Iron mines and mining)

MAN'KOVSKIY, G.I.

Mining geomechanics. Nauch. soob. IGD 17:3-8 '62. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR.
(Mining geology)

SHEVYAKOV, Lev Dmitriyevich, akademik; MAN'KOVSKIY, G.I.; KIT, I.K.,
red. izd-va; GUSEVA, A.P., tekhn. red.

[Kursk Magnetic Anomaly] Kurskaia magnitnaia anomal'ia. Mo-
skva, Izd-vo Akad. nauk SSSR, 1962. 98 p. (MIRA 15:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Man'kovskiy).
(Kursk Magnetic Anomaly--Iron mines and mining)

MAN'KOVSKIY, G.I. (Moskva)

"Engineer" tree. Priroda 51 no.9:125 S '62. (MIRA 15:9)

i. Chlen-korrespondent AN SSSR.
(Calcutta—Fig)

MAN'KOVSKIY, G.I.

Shields in the coal industry. Shakht. stroi. 7 no.6:6-7
Je '63. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR.
(Mine timbering)

MAN'KOVSKIY, G.I.

Mining geomechanics and the theory of the state of rocks.
Vest. AN SSSR 33 no.5:47-49 My '63. (MIRA 16:6)

1. Chlen-korrespondent AN SSSR.
(Mining geology) (Geophysics)

MAN'KOVSKIY, G.I. (Moskva)

Methods of solving problems on rock freezing. Izv. AN SSSR. Otd. tekhn.
nauk. Met. i gor. delo no.1:6-13 Ja-F '63. (MIRA 16:3)
(Soil freezing)

MAN'KOVSKIY, G.I.; DOLGOV, O.A., inzh.; YERSHOV, N.N., kand. tekhn.
nauk; POLYAKOVA, Z.V., red.; GERASIMOV, V.F., tehnolog

[Nomograms for calculating the freezing of rocks] Nomo-
grammy dlia raschetov zamorazhivaniia gornnykh porod. Mo-
skva, Institut gornogo dela, 1963. 50 p. (MIRA 16:10)

1. Chlen-korrespondent AN SSSR (for Man'kovskiy).
(Soil freezing)

SHEVYAKOV, L.D., akademik, otv. red.[deceased]; MAN'KOVSKIY, G.I., red.; AFENDIKOV, N.N., kand. tekhn. nauk, red.; YERSHOV, N.N., kand. tekhn. nauk, red.; LIBERMAN, Yu.M., red.; PANOV, A.D., red.[deceased]; RUSHCHINSKIY, M.V., red.; KRASOVSKIY, I.P., red.izd-va; PROZOROVSKAYA, V.L., tekhn. red.; LOMILINA, L.N., tekhn. red.

[Rock pressure and the lining of vertical shafts] Gornoe davlenie i krep' vertikal'nykh stvolov. Pod red. L.D. Sheviakova. Moskva, Gosgortekhnizdat, 1963. 211 p.

(MIRA 16:11)

1. Moscow. Institut gornogo dela imeni A.A.Skochinskogo.
(Rock pressure) (Shaft sinking)

MAN'KOVSKIY, G.I.

Scientific principles of systems of lowering water and mining
hydromechanics. Nauch. soob. IGD 15:83-89 '62. (MIRA 17:2)

1. Chlen-korrespondent AN SSSR.

MAN'KOVSKIY, G.I.; DAVYDOV, V.V.; ODINOKOVA, L.V.; KAMENSKIY, I.V.;
OGNEVA, N.Ye.; KOGAN, N.N.; GOGUADZE, TS.A.

Solution for binding rocks. Gor. zhur. no.9:75 S '63.

(MIRA 16:10)

MAN'KOVSKIY, G.I.

New stage in the development of boring machinery for shaft sinking. Shakht.stroi. 8 no.3:2-6 Mr '64. (MIRA 17:3)

1. Chlen-korrespondent AN SSSR.

MANKOVSKY, G. I.

"The use of models to solve mining problems."

report submitted for 4th Intl Mining Cong, London, 12-16 Jul 65.

MAN'KOVSKIY, G.I., nauchn. sotr.; GALANOV, P.I., inzh.; YERASHOV, N.K.,
nauchn. sotr.; MURAV'YEV, B.S., nauchn. sotr.; NOSOVSKIY,
A.A., inzh.-konstruktor; POLOLYAKO, L.G., nauchn. sotr.;
TIMOSHPOL'SKIY, Ye.Ya., inzh.-konstruktor; FEYGIN, L.M.,
inzh.-konstruktor; SHVETS, V.V., inzh.

[Boring mine shafts with machines made by the Ural Factory
for Heavy Machinery Manufacture] Burenie stvolov shakht usta-
novkami UZTM. Moskva, Izd-vo "Nedra," 1964. 131 p.

(MIRA 17:8)

1. Chlen-korrespondent AN SSSR (for Man'kovskiy). 2. Institut
gornogo dela imeni A.A.Skochinskogo (for Man'kovskiy, Yerashov,
Murav'yev, Shvets). 3. Ural'skiy zavod tyazhelogo mashino-
stroyeniya imeni Sergo Ordzhonikidze (for Nosovskiy, Timoshpol'skiy,
Feygin, Galanov).

* 78 11/11

Ural'skiy zavod tyazhelogo mashino-
stroyeniya imeni Sergo Ordzhonikidze

MAN'KOVSKIY, G.I. (Moskva)

Principles of mining engineering in the system of earth sciences.
Izv. AN SSSR Met. i gor. ce'no.3:179-182 My-Jul'64
(MIRA 17:7)

MAN'KOVSKIY, Grigoriy Il'ich; MURAV'YEV, D.S., red.

[Special methods of mine shaft sinking] Spetsial'nye
sposoby sooruzheniia stvolov shakht. Moskva, Nauka,
1965. 314 p. (MIRA 18:7)

Минералы К. Г. I. G.

AUTHOR: MAN'KOVSKIY, I.G. PA - 2301
TITLE: The Scientific-Technical Conference on Special Methods Used in Mining Production Held at the Mining Institute of the Academy of Science of the U.S.S.R. (Nauchno-tehnicheskoye soveshchaniye po spetsial'nym sposobam prokhodki gornykh vyrabotok v IGD AN SSSR, Russian).
PERIODICAL: Izvestiia Akad. Nauk SSSR, Otdel. Tekhn., 1957, Nr 1, pp 160-160, (U.S.S.R.).
Received: 3 / 1957 Reviewed: 4 / 1957
ABSTRACT: The conference took place from the 28th November to the 1st December 1956. The following topics formed the subjects of the lectures: 1) Methods of shafts and boreholes of larger diameter. 2) The working of watered karst rock. 3) Working, timbering and maintenance of the worked rock in areas of eternal frost. 4) The conditions for the application of the methods for freezing and cementing. 5) Working of drifts with the help of shields in unstable rock.
ASSOCIATION: Not given.
PRESENTED BY:
SUBMITTED: 5.1.1957
AVAILABLE: Library of Congress.
Card 1/1

Manufacture
VANIKOVSKIY, V., Cand Tech Sci -- (USSR) "~~regeneration~~ of disk
cars in individual and small series production." Vos, 1978, 14: 11
(Min of Higher Education USSR, Vos Order "Lenin and Order of Labor
Her Banner Higher Techn School im Bauman) 1:0 copies (PL, 77-78, 110)

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MAN'KOVSKIY, L. A.

Pavlov, Ivan Petrovich, 1849-1936

The teaching I. P. Pavlov and some questions on the education of children. *Sem'ia i shkola* 7 No. 5, 1952.

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

1. MAN'KOVSKIY, M. E., Docent; MINTS, YA. I., Docent; RAIHONOLSKAYA, L. YA.
2. USSR (600)
4. Influenza
7. Pathological changes in the nervous system in grippe, Medych. zhur., 22, no. 1, 1952.

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

MAN' KOVSKIY, M.B.; DRACHEVA, Z.N.

Neural pathology in antirabies inoculations. Fiziol.zhur. [Ukr.]
2 no.1:31-41 Ja-F '56. (MIRA 10:1)

1. Institut fiziologii imeni O.O.Bogomol'taya Akademii nauk URSR,
viddil klinichnoi ta eksperimental'noy patologii nervovoi sistemi.
(RABIES--PREVENTIVE INOCULATION)
(NERVOUS SYSTEM--DISEASES)

MAN'KOVSKIY, M.B. [Man'kovskiy, M.B.]; DRACHOVA, Z.N.; LARINA, M.B.

Pathology of the nervous system in antirabies inoculations of children. Ped., akush. i gin. 23 no.5:25-28 '61. (MIRA 14:12)

1. Kafedra nervnykh bolezney (zaveduyushchiy - prof. B.M.Man'kovskiy) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. akademika Bogomol'tsa (rektor - dotsent V.D.Bratus').
(RABIES---PREVENTIVE INNOCULATION)
(NERVOUS SYSTEM)

MAN'KOVSKIY, M. S.

Communism

Teaching of Comrade Stalin on the socialist state and its role in the development of European people's democracies as states of the socialist type. Uch. zap. Mosk. un., no. 153, 1951.

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

MAN'KOVSKIY, M.V., inzh.; FROLOV, G.V.

Making ice by freezing in layers. Mekh.i avtom.prelzv. 16 no.5:9-10
'62.

(Ice--Manufacture)

(MIRA 16:5)

MAN'KOVSKIY, H.B. (Kiyev)

Hemorrhagic form of rheumatic meningoencephalitis. Vrach.delo
no.12:1247-1251 D '56. (MIRA 12:10)

1. Otdel klinicheskoy i eksperimental'noy nevrologii Instituta
fiziologii im. akad.A.A.Bogomol'tsa AN USSR i klinika nervnykh
bolezney Kiyevskogo meditsinskogo instituta.

(RHEUMATIC FEVER) (ENCEPHALITIS)

MAN KOVSKIY, N.B.

GUREVICH, M.I., kand.med.nauk; MAN' KOVSKIY, N.B., kand.med.nauk; PENEK, N.V.

Therapeutic use of ultrasound in treating nervous diseases. Vrach.
delo no.10:1013-1017 O '57. (MIRA 10:12)

1. Laboratoriya krovoobrashcheniya i dykhaniya (rukovoditel' - deystv. chlen AMN SSSR, prof. N.N.Gorev), otdel eksperimental'noy i klinicheskoy nevrologii (zav. - chlen-korr. AN USSR, prof. A.F.Makarchenko) Instituta fiziologii im. A.A.Bogomol'tsa AN USSR i klinika nervnykh bolezney (zav. - deystv. chlen AMN SSSR, prof. B.N.Man'kovskiy) Kiyevskogo meditsinskogo instituta.

(ULTRASONIC WAVES--THERAPEUTIC WAVES)

(NERVOUS SYSTEM--DISEASES)

MANIKOVSKIY, N.B.

Information about the Ukrainian scientific research plan for
1959-1965 '58 (MIRA 11:10)
(MEDICINE,
organiz. planning in Russia (Rus))

MAN'KOVSKIY, N.B., kand.med.nauk

Problems in the etiology and pathogenesis of cerebral rheumatism.
Vop. klin. nevr. i psikh. no.2:81-103 '58. (MIRA 14:10)
(RHEUMATIC FEVER)

MAN' KOVSKIY, N.B., dotsent, DRACHOVA, Z.N.

Problems in pathology of the nervous system in septicemia.
Vrach.delo no.3:249-253 Mr'58 (MIRA 11:5)

1. Otdel klinicheskoy i eksperimental'noy nevrologii Instituta
fiziologii AN USSR i klinika nervnykh bolezney Kiyevskogo
meditsinskogo instituta.

(SEPTICEMIA)
(NERVOUS SYSTEM)

MAN'KOVSKIY, N. B., Doc of Med Sci -- (diss) "Rheumatic Encephalitis
(clinic, Pathomorphology, Pathogenesis)," Kiev, 1959, 27 pp
(Kiev Order of Labor Red Banner Medical Institute Intern. Medicin
A. A. Bogomolets) (KL 4-60, 123)

MAN'KOVSKIY, Nikita Borisovich, dotsent; MAKARCHENKO, A.F., red.;
GITSHTEYN, A.D., tekhn.red.

[Rheumatic encephalitis] Revmaticheskii entsefalit. Kiev,
Gos.med.izd-vo USSR, 1959. 293 p. (MIRA 13:3)
(RHEUMATIC FEVER) (ENCEPHALITIS)

MAN'KOVSKIY, N.B., dots. (Kiyev)

Clinical aspects and histopathology of rheumatic meningoencephalitis.
Vrach. delo no.1:25-31 '59. (MIRA 12:4)

1. Institut fiziologii imeni A.A. Bogomol'tsa AN USSR.
(BRAIN--DISEASES) (RHEUMATIC FEVER)

MAN'KOVSKIY, N.B., dotsent; VAINSHTEK, I.B., kand.med.nauk

Interrelation of multiple sclerosis and acute disseminated
encephalomyelitis. Vrach.delo no.6:561-566 Je '60.

(MIRA 13:7)

1. Klinika nervnykh bolezney (sav. - deystvitel'nyy chlen AMN
SSSR, prof. B.N. Man'kovskiy) Kiyevskogo meditsinskogo instituta
i Institut fiziologii AN USSR.

(MULTIPLE SCLEROSIS) (ENCEPHALOMYELITIS)

MAKARCHENKO, A.F., prof., akademik; MAN'KOVSKIY, N.B., prof.; ROYTRUB,
B.A., kand.biologicheskikh nauk (Kiyev)

Zonal electrophoresis of protein fractions, glyco- and
lipoproteins in some neuroinfections. Vrach.delo no.12:69-72
D '62. (MIRA 15:12)

1. Institut fizilogii imeni A.A.Bogomol'tsa AN UkrSSR.
(ELECTROPHORESIS) (PROTEINS) (DIENCEPHALON--DISEASES)

GITTIK, Leonid Samoylovich [Hittyk, L.S.], kand. med. nauk;
MAN'KOVSKIY, N.B. [Man'kovs'kyi, N.B.], red.

[Chorea minor] Mala khoreia. Kyiv, Zdorov'ia, 1965. 186 p.
(MIRA 19:1)

BRATUS', V.D., prof. red.; ZAYKO, N.M., prof. red.; MAN'KOVSKII,
N.B., prof., red.; PRONAK, F.Ya., prof.red.; SHIROV,
M.S., prof.red.; FRONKIN, Ya.I., prof. red.; CHAIKA
Ye.I., prof. red.; CHERNYSHENKO, L.V., red.; KALOGUB,
P.Ya., red.

[Physiology and pathology of connective tissues] fiziolo-
giia i patologiiia soedinitel'noi tkani. Kiev, Znanov'se,
1964. 251 p. (MIRA 1964)

1. Kiev. Medychryy instytut.

MAN'KOVSKIY, S.I.

USSR. ✓ 1953. EXPERIMENT IN DRILLING WELDING SHAFT OF MINE 5. Man'kovskii, S.I. (Ugol [Coal], Dec. 1954, 35-39). An illustrated account is given of a promising experiment in the application of mud-flush rotary drilling to shafts 6.2 m in diameter and up to 375 m deep in soft strata. Drilling is carried out in two stages with 1.2 m and 6.2 m bits, and with an intermediate 3.6 m bit for harder strata. (L).

MAN'KOVSKIY, Vasily Gavrilovich; OSIPOVA, V.M., red.; YELAGIN, A.S.,
tekh.red.

[Road to the future] Doroga v budushchee. Moskva. Izd-vo
"Sovetskaya Rossiya," 1961. 30 p. (MIRA 14:3)
(Krasnodar Territory--Agriculture)

MAN'KOVSKIY, V.I.

Apparatus for measuring the velocity and direction of slow currents
and water temperature. Trudy MGI 23:122-130 '61. (MIRA 14:11)
(Hydrology)

MANI KOWENY, W.T.

Some data on the ...
Angara ...

AFANAS'YEVA, E.L.; VERBOLOV, V.I.; VOTINTSEV, K.K.; KROTOVA, V.A.;
MAN'KOVSKIY, V.I.; MESHCHERYAKOVA, A.I.; SHIMARAYEV, M.N.

Comprehensive synchronous limnological studies of Baikal waters.
Izv. AN SSSR. Ser. geog. no. 2:120-125 Mr-Apr '64. (MIRA 17:5)

1. Limnologicheskiy institut Sibirskogo otdeleniya AN SSSR.

L 01037-67 EWT(1)/EWP(m) WW/GD

ACC NR: AT6012413

SOURCE CODE: UR/0000/65/000/000/0077/0081

AUTHOR: Speranskaya, A. A.; Man'kovskiy, V. I.

37
B+1

ORG: none

TITLE: Electrical contactless current meter for measuring speed of direction of flow

SOURCE: Voprosy gidrologii (Problems of hydrology), no. 2, Moscow, Izd-vo Mosk. univ., 1965, 77-81

TOPIC TAGS: telemetry, current meter, hydrology

ABSTRACT: A new current meter is described which measures both horizontal and vertical components of a water flow starting with 0.4-0.2 cm/sec and also the direction of flow with a sensitivity of 3° per 1 mm scale. Two 4-blade plexiglas wheels 1 (see figure) carry small mirrors 2 on their stainless-steel axes. A d-c bridge circuit contains two photoresistors 3 which are momentarily illuminated by the mirrors. The rpm signals are recorded by an oscillograph or a galvanograph. Other parts are: 4 - lamp; 5 - cable; 6 - "tail"; 7 - swivel; 8 - counterweight; 9 - thermometer; 10 - direction-of-flow unit. The latter unit is based on a magnetic

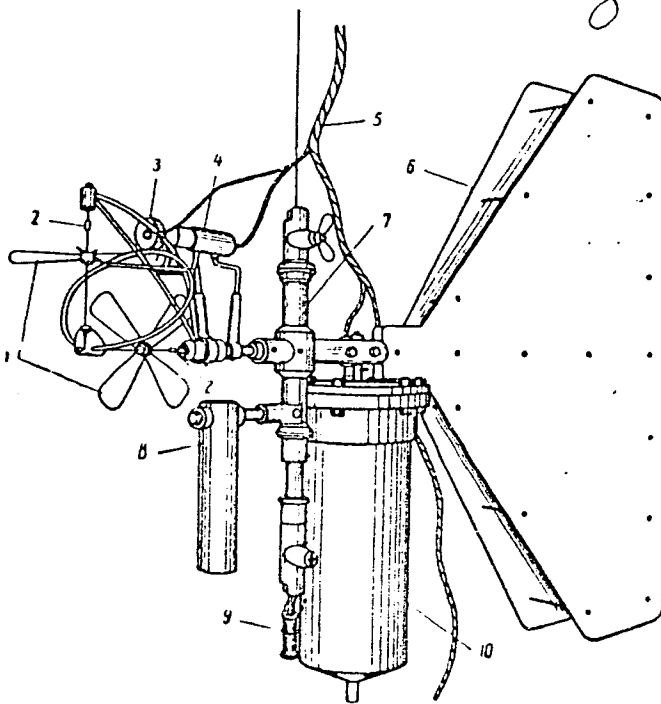
Card 1/2

L 01037-67

ACC NR: AT6012413

needle and a photoelectric device that measures the angle between the needle and the tail unit. The new current meter was tested during the winter of 1958, on the Baykal Lake, Listvenichnaya Bay, where the lake feeds into the Angara River (some details of the hydrological survey involved are given). Orig. art. has: 4 figures.

SUB CODE: 09 / SUBM DATE: none



awm

Card 2/2

ACC NR: AT6023556

(N)

SOURCE CODE: UR/3095/66/036/000/0037/0050

AUTHOR: Paramonov, A. N.; Neuymin, G. G.; Man'kovskiy, V. I.; Prokhorenko, Yu. A.

ORG: None

TITLE: Hydroacoustic telemetry system for sea water transparency

SOURCE: AN UkrSSR. Morskoy gidrofizicheskiy institut. Trudy, v. 36, 1966. Metody i pribory dlya issledovaniya fizicheskikh protsessov v okeane (Methods and instruments for studying physical processes in the ocean), 37-50

TOPIC TAGS: oceanographic equipment, oceanographic instrument, ~~oceanographic ship~~, oceanography, electronic equipment, acoustic equipment, ~~acoustic signal~~, ocean acoustics, underwater acoustics, hydrography, photometer, *TELEMETRY SYSTEM*, underwater optics

ABSTRACT: The results of work conducted for some years in the Maritime Hydrophysical Institute of the Academy of Sciences of the Ukrainian SSR in designing equipment for deepwater optical measurements is the basis for this description of the fourth model of a marine pulse photometer-transparency meter with acoustic communication between the submerged sensor measuring transparency and the expeditionary ship. A block schematic shows the major components of the system, and the general requirements which the system was designed to meet are enumerated. Specific parameters to be met by the optical system itself are also listed. The optical system is discussed in detail. The discussion devoted to test connections of the submerged transparency

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ACC NR: AT6023556

measuring element concludes with the fact that the most favorable types for a photometer-transparency meter are those operating on the principle of simultaneous comparison of two light streams. The bulk of the discussion is devoted to the acoustic transmission of the measured information, which is still in the experimental stage, as well as to the receiver (and amplifiers) required for registration and recording of the data. The basic technical characteristics for transmission of transparency meter data via hydroacoustic channels are cited. Orig. art. has: 5 figures.

SUB CODE: 08,20/SUBM DATE: None/ORIG REF: 009

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An Optical Method for Reducing the Noise
Inherent in Sound Films.—V. S. Man'kovskii. (Zh.
tekh. fiz., Nov. 1954, Vol. 24, No. 11, pp. 2025-2035.) A
complex electrical device is normally used in sound
recording for varying the average density of the film with
the modulation level. The same result can be achieved
with the aid of a simple optical system in the light
modulator, based essentially on the use of an additional
wide slot. The theory of the method is discussed in
detail and results are given of experiments indicating
that the reduction of noise so obtained is equivalent to
that given by the electrical method (10 db).

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Acoustical conditions in moving-picture auditoriums. Trudy LIKI
no.3:58-64 '55. (MLRA 9:8)

1. Kafedra akustiki.
(Architectural acoustics)

MAN'KOVSKIY, V.S.

Determining the reverberation time by using the method of the
standard source of sound. Trudy LIKI no.4:38-44 '56. (MLRA 10:5)

1.Kafedra akustiki.

(Sound--Measurement)

MAN'KOVSKIY, V.S.

AUTHOR: Vakhitov, Ya.Sh., Man'kovskiy, V.S.

46-2-3/23

TITLE: The form of directional pattern of microphones for stereophonic sound transmission. (O forme kharakteristik napravlenosti mikrofonov dlya stereofonicheskoy zvukopredachi)

PERIODICAL: "Akusticheskiy Zhurnal" (Journal of Acoustics), 1957, Vol.3, No.2, pp. 109-114 (U.S.S.R.)

ABSTRACT: The authors formulate analytically requirements for any stereophonic system to reproduce without distortion the effect of displacement of the sound source.

Assuming that any n-channel stereophonic system may be considered as a combination of $(n - 1)$ two-channel systems, they restrict their analysis to a two-channel system only. The secondary acoustic field is considered first. Formulae relating the sound intensities I_1 and I_2 and the directional patterns of loudspeakers $\Phi'(\theta_1)$ and $\Phi'(\theta_2)$ to the apparent displacement x' of the source from the microphone are derived, using (1), (2). As shown in (3) $\Phi'(\theta_1)$ and $\Phi'(\theta_2)$

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The primary field is analysed next. Considering the

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The form of directional pattern of microphones for stereophonic sound transmission. (Cont.)

parallel displacement of the sound source with respect to the microphone, it is shown that the first condition for distortionless transmission of sound from a moving source is the equality of normalised displacements of the real and of the apparent sound sources, i.e.

$$\frac{x_1}{z_1} = \frac{x}{z} = x' \quad (3)$$

which, when applied to the emf of the microphone, may be written:

$$\log \left(\frac{e_1}{e_2} \right)^2 = f(x') \quad (4)$$

the condition eq.(4) does not satisfy for the phenomenon of the "displacement in depth" of the apparent source, so that the second condition to be satisfied is the elimination of the above effect. It is found that this condition is given by:

$$e_1^2 + e_2^2 = e_0^2 \quad (6)$$