LUPU, N. Gh., acad.; PAUN. R.; MOLNER, C.; URSEA, N.; POPESCU, I.Gr.

Contributions to the study of the therapeutic use of propeptanes in food allergy. Stud. cercet. med. intern. 5 no.2: 145-151 '64

POPESCU, I.Gr.; PAUN, R.; MOLNER, C.; OLARU, Cornelia; IOTA, C.G.; URSEA, N.

Specific hyposensitizing treatment in asthma caused by ricinus appearing in cultivators of the castor-oil plant. Stud. cercet. med. intern. 4 no.4:539-547 '63.

(RICINUS) (ASTHMA) (OCCUPATIONAL DISEASES)

POPESCU, I.Gr.; PAUN, R.; MOLNER, C.; OLARU, Cornelia; GHEORGHIU, T.; IOTA, C.G.

Contribution to the study of tobacco allergy. Stud. cercet. med. intern. 5 no.4:379-387 '64.

DOBREANU-ENESCU, Viorica; TEODORINI, Sanda; HARNAGEA, P.; VULPESCU, Sonia; IOTA, C.; MOLNER, C.

Value of electrocardiograms in the diagnosis of chronic cor pulmonale secondary to chronic bronchitis and obstructive pulmonary emphysema. Stud. cercet. med. intern. 5 no.4: 397-418 '64.

PAUN, R.; POPESCU, I.Gr.; GHEORGHIU, T.; ZAMFIRESCU-GHEORGHIU, Marcela; OLARU, Cornelia; IOTA, C.G.; MOLNER, C. In colaborare cu CASAN, Aurelia, ing.

Research on occupational allergy in the personnel of a sericulture station. Stud. cercet. med. intern. 5 no.5:501-512 '64

POPESCU, I. Gr., dr., PAUN, R., conf.; MOLNER, C., dr.; OLARU, Cornelia, dr.

Contribution to the diagnostic value of leukopenic and thrombopenic indexes in some allergic diseases. Med. intern. (Bucur.) 16 no.12:1455-1464 D '64

1. Lucrare efectuata in Institutul de medicina interna al Academiei Republicii Populare Romine si Ministerul Sanatatii si Precederilor Sociale (director acad. N. Gh. Lupu).

POPESCU, I. Gr.; MOLNER, C.

The role of extrinsic allergens in the etiology of non-occupational bronchial asthma. Stud. cercet. med. intern. 6 no.2: 123-132 '65.

MOLOCCO, Umberto

New elements in the enterprise commercial management.
Sklar a keramik 14 no. 1: 23 Ja '64.

1. Ministerstvo spotrebniho prumnyslu, Praha.

USSR / Cultivated Plants. Fodder Grasses and Edible Roots. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24924

Author : Molochadskiy, S. R.
Inst : Not given
Title : An Experiment of Utilization of the Kinel' River Valley for Fodder Crops

Orig Pub : S.-kh. Povolzh'ya, 1958, No 2, 45-47

Abstract : The Kuibyshev Agricultural Institute in 1953-1957 conducted preliminary experiments on the utilization of the Kinel' River Valley, which is inundated annually for 7-60 days. In the autumn of the year 1953, plowing was raised to the depth of 30 cm with such reckoning that the wormwood be plowed under and to extract a buried layer of humus with

Card 1/3

88

depth of 12-15 cm with harrowing were conducted. In the first two years, annual fodder crops were sown, and in the third

USSR / Cultivated Plants. Fodder Grasses and Edible Roots. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24924

for silo and awnless bromegrass for hay under a millet cover. -- M. V. Dranishnikov

Card 3/3

89

MOLOCHAYEVA, I.S.; SOBOLEV, V.R.

Ways of prolonging the effect of tetracycline. Trudy TSIU 80:93-95 '65. (MIRA 18:11)

MOLOCHAYEVA, YE. A.

MOLOCHAYEVA, YE. A. -- "Norms and Methods of Sowing Oily Flax in the Presence of Its Cultivation in Seed and Fiber." Min Higher Education USSR, Kuban' Agricultural Inst. Krasnodar, 1955. (Dissertations for the Degree of Candidate of Agricultural Sciences)

SO: Knizhnaya Letopis', No. 39, 24 Sept 55

KERBABAYEV, E.B.; TUROV, I.S.; SADOVSKIY, V.N.; MOLOCHEK, G.I.; KARAPETYAN, A.B.; BABAYANTS, G.A.

Use of aerosols in fighting carriers of cutaneous leishmaniasis. Zdrav. Turk. 6 no.1:29-31 Ja-F '62. (MIRA 15:4)

1. Iz TSentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta (dir. - prof. V.I.Vashkov) i Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. - dotsent Ye.S.Popova).
(DELHI BOIL) (MOTH FLIES--EXTERMINATION)
(SPRAYING AND DUSTING)

3(5) PHASE I BOOK EXPLOITATION SOV/1623

Molochek, Isidor Aleksandrovich, Docent, Candidate of Economic Sciences

Osvoyeniye bogatstv vostochnykh rayonov (Planned Development of National Resources in the Eastern Regions) Moscow, Izd-vo "Sovetskaya Rossiya," 1957. 65 p. (Series: V pomoshch' lektoru, no. 20) 36,300 copies printed.

Ed.: O. I. Kolomiytseva; Tech. Ed.: A. M. Ponomareva

PURPOSE: This booklet is intended for industrial planners and economists, and as an aid to lectures on the industrial development of the USSR.

COVERAGE: Certain important economic problems on a national scale may be solved by the planned development of the natural resources of a particular region. The eastern regions of the USSR present great possibilities in this regard. The author reviews the economic development of this area prior to the Revolution and the achievements of the Soviet regime during the past 40 years, concentrating on the regional distribution of integrated industrial units, and the development of the extractive industries. The text is accompanied by photographs and maps. There are 23 Soviet references.

Card 1/2

Planned Development of National Resources (Cont.) SOV/ 1623

TABLES OF CONTENTS:

AVAILABLE: Library of Congress (HC487.S5M57) MM/eag

Card 2/2 5-9-59

MOLOCHEK, V. A.

Remont parovykh turbin. Izd. 2., perer. Moskva, Gosenergoizdat, 1946.
584 p. diagrs.

(Repair of steam turbines.)

DLC: TJ737. M57 1946

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GAVRILYUK, Vladimir Vasil'yevich; LYUBIMOV, Konstantin Aleksandrovich; MOLOCHINSKAYA, Angelina Nikolayevna; SHARSKIY, Aleksey Antonovich

[Communication cables for a.c. electrified railroads] Kabeli sviazi dlia elektricheskikh zheleznykh dorog peremennogo toka. Moskva, Transport, 1965. 158 p. (MIRA 18:3)

MOLOCHKO, F.L.

Organizing the work in a stomatological polyclinic. Stomatologiia 40 no.3:101-102 My-Je '61. (MIRA 14:12)

1. Glavnyy vrach Brestkoy oblastnoy stomatologicheskoy poliklinik.
(BREST PROVINCE—STOMATOLOGY)

MOLOCHKO, I. S.

36298

Travopol'naya sistema zemledeliya iputi eye vnedreniya v kolkhozy polesskoy oblasti. Izvestiya akad. Nauk BSSR, 1949, No. 5, s 63-71

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

MOLOCHKO, I.S.

Means of raising the level of agriculture and increasing crop yields on collective farms in White Russia. Zemledelie 5 no.5:7-12 My '57. (MLRA 10:7)

1. Zamestitel' ministra sel'skogo khozyaystva BSSR.
(White Russia--Agriculture)

MOLOCHKO, [illegible]

New upsurge in the agriculture of White Russia. Zemledelie 6 no.11:13 N '58. (MIRA 11:11)

1. Zamestitel ministra sel'skogo khozyaystva BSSR.
(White Russia -- Agriculture)

MOLOCHKO, I.S.

Introduce correct crop rotations on all collective and state farms.
Zemledelie 7 no.3:19-22 Mr '59. (MIRA 12:4)

1. Zamestitel' ministra sel'skogo khozyaystva BSSR.
(Rotation of crops)

MOLOCHKO, M., polkovnik

Force of persuasion. Komm. Vooruzh. Sil 46 no.19:51-54
O '65. (MIRA 18:12)

L 48582-65 EWT(m)/EPF(c)/EPF(n)-2/T/EWP(t)/EWP(b)/EWA(c) Pr-4/Pu-4 IJP(c)
JD
ACCESSION NR: AP5008653 S/0064/65/000/003/0201/0203

AUTHOR: Kurdyumov, G. M.; Molochko, V. A.; Krepkov, P. N. 36 B

TITLE: Study of the distribution of admixtures of arsenic and phosphorus in the case of the directional crystallization of germanium tetrachloride

SOURCE: Khimicheskaya promyshlennost', no. 3, 1965, 201-203

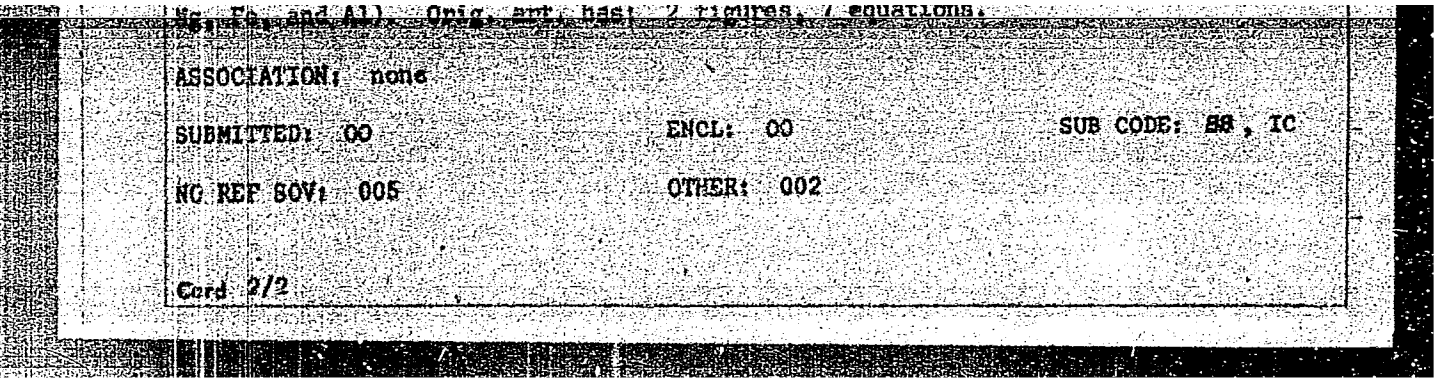
TOPIC TAGS: arsenic, phosphorus, crystallization, germanium, germanium compound, directional crystallization

ABSTRACT: The distribution of phosphorus and arsenic impurities in directional crystallization of germanium tetrachloride (freezing point -49.5°C) was studied using the radioactive tracer method. The selection of these impurities was based first of all on their effect on the semiconductor properties of germanium and also on the probability of their presence in noticeable amounts in the initial product, this being especially true of arsenic. The radioactive tracers used were phosphorus-32 (half-life of 14.3 days) in the trichloride form and arsenic-76 (half-life of 26.8 hours) in the form of arsenic anhydride. Germanium tetrachloride containing $P^{32}Cl_3$ or $As^{76}Cl_3$ was poured into a polyethylene container which was then

Card 1/2

ACCESSION NR: AP5008653

sealed. The container was lowered at a rate of 2.5 cm/hr into a narrow copper beaker filled to the top with acetone and placed in a Dewar flask containing a mixture of dry ice and acetone. In order to create the nucleus for crystallization the lower part of the container was immersed in liquid nitrogen before conducting the directional crystallization. Upon completion of the process the ingot of germanium tetrachloride in the container was extracted from the refrigerating agent,



L 02331-67 EWP(k)/EWT(d)/EWT(m)/EWP(h)/EWP(l)/EWP(v)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6030547 SOURCE CODE: UR/0413/66/000/016/0024/0024

INVENTOR: Molochko, V. A.; Mintskovskiy, A. Ya.; Kurdyumov, G. M.

ORG: none

TITLE: Equipment for purifying liquids by low temperature zone melting. Class 12, No. 184812 [announced by the All-Union Scientific Research Institute of Chemical Reagents and Ultrapure Chemical Substances (Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktevov i osobo chistykh khimicheskikh veshchestv)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 24

TOPIC TAGS: liquid purification, purification unit

ABSTRACT: This Author Certificate introduces equipment for purifying liquids by low-temperature zone melting. A purification unit equipped with a heater and cooler mounted in series is placed in a vertical body filled with heat-insulating material. In order to maintain and regulate the temperature of the cool sections of the purification unit, the latter is built in the form of a metallic cylinder equipped with a vessel for the coolant and an opening duct. The body of the metallic cylinder

Card 1/2 UDC: 66.067.05

L 02331-67

ACC NR: AP6030547

has slots for mounting the frames of the heaters. The slots are uniformly spaced along the opening duct. In order to keep the inside ampoule in the solid state before and after the purification process, a reservoir with the coolant is mounted in the frame of the equipment directly under the opening-duct. Orig. art. has: 1 figure. [Translation]

SUB CODE: 14/ SUBM DATE: 19May65/

Card 2/2

ACC NR: AP6032952 SOURCE CODE: UR/0363/66/002/010/1870/1871

AUTHOR: Fedorov, P. I.; Molochko, V. A.

ORG: Institute of Reagents and High-Purity Chemicals (Institut reaktivov i osobo chistykh khimicheskikh veshchestv)

TITLE: The lithium-germanium system

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 10, 1966, 1870-1871

TOPIC TAGS: lithium compound, germanium compound, alloy phase diagram, lithium alloy, germanium alloy

ABSTRACT: The phase diagram of the lithium-germanium system was studied by thermal and microstructural analyses in the range of 0-4.5 and 42-100 at. % Ge. At 0-4.5 at. % Ge, the liquidus line corresponds to the crystallization of the compound $Li_{4n}Ge_n(Li_{22}Ge_5)$, which forms with lithium a eutectic having a melting point of 184°C (2° below the melting point of pure lithium). At 42-100 at. % Ge, the liquidus lines intersect at a eutectic point at 50% Ge; the melting point of the eutectic is 528°C. Microstructural analysis confirmed the presence of eutectics in the alloys. Lithium germanide $Li_{3n}Ge_n$ was synthesized; its powder diagrams had strong lines corresponding to the values d = 3.77; 2.33; 2.19; 2.04 and 1.95 Å, and lines of medium intensity corresponding to the values d = 3.37; 1.79; 1.65; 1.45; 1.43; 1.24; 1.16; 1.14; 1.02 Å.

Card 1/2 UDC: 546.341-546.289

ACC NR: AP6032952

Orig. art. has: 1 figure and 1 table.

SUB CODE: 07,11/ SUBM DATE: 23Oct65/ ORIG REF: 003/ OTH REF: 004

Card 2/2

1. MOLOCHKO, V. F.

2. USSR (600)

4. Potatoes

7. Results obtained by young naturalists in developing a new sort of potato. Est.v shkole No. 6, 1952.

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

MOLOCHKO, V.F.

Vegetative hybridization and vegetative propagation of plants.
Est.v shkole no.2:80-81 Mr-Ap '54. (MLRA 7:3)

1. Uchitel' biologii Krasnogorovskoy shkoly no.1 Stalinskoy oblasti. (Hybridization, Vegetable) (Plant breeding)

MOLOCHKO, V.I.

137-1958-3-5058

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 85 (USSR)

AUTHOR: Molochko, V. I.

TITLE: A Progressive Method of Processing Barrel-shaped Rollers for Bearings (Progressivnyy metod obrabotki bochkoobraznykh podshipnikovykh rolikov)

PERIODICAL: V sb.: Materialy konferentsii po usoversh. tekhnol. goryachey shtampovki. Minsk, AN BSSR, 1957, pp 52-56

ABSTRACT: A report on measures undertaken by the 11th GPZ (11th State Locomotive Plant) toward the adaption of a method in which barrel-shaped rollers up to 17 mm in diameter are cold-stamped in an automatic cold-forging (upsetting) machine, while rollers of 42 mm in diameter are hot forged in a 315 t press. Compared with the standard machining method the productivity of the stamping method is two and one-half times greater.

Yu. L.

Card 1/1

MOLOCHKO, V.I. [Malochka, V.I.]

Analysis of the motion of piston-type reversible hydraulic mechanisms in automated equipment. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.4:126-134 '63.

(MIRA 17:12)

MOLOCHKO, V.I. [Malochka, V.I.]

Investigating the braking process of hydraulic piston turning gear in automatic equipment. Vestsi AN BSSR Ser. fiz.-tekh. nav. no.1:122-129 '64 (MIRA 17:7)

SAVCHENKO, S.S., general-mayor; ALEKSANDROV, A.A., polkovnik; GRECHIKHIN, A.A., polkovnik; KOZLOV, A.F., polkovnik; KOZLOV, A.F., polkovnik; LOVI, A.A., polkovnik; LOSHCHILOV, A.A., polkovnik; MOLOCHKOV, A.K., polkovnik; MUTSYNOV, S.S., polkovnik; SEMIKOLENOV, N.P., polkovnik; SUDAKOV, S.V., polkovnik; SHINKAREV, G.M., polkovnik; VIL'CHINSKIY, I.K., polkovnik, red.; SOLOMONIK, R.L., tekhn. red.

[Methods of preparation to use weapons; firearms and grenade launchers]Metodika ognevoi podgotovki; strelkovoe oruzhie i granatometry. Moskva, Voenizdat, 1962. 318 p. (MIRA 16:2)

1. Russia (1923- U.S.S.R.)Armiya. Sukhoputnye voyska. Upravleniye boyevoy podgotovki voysk svyazi.
(Russia--Army--Firearms) (Grenades)

MOLOCHKOV, A.S.

Improvement of cationite and quartz filters. Bum.prom. 33 no.11: 21-22 N '58. (MIRA 13:8)

1. Nachal'nik tsekha kommunikatsiy Svetogorskogo tsellyulozno-bumzahnogo kombinata.
(Water--Purification) (Filters and filtration)

MOLOCHKOV, A.S., tekhn. (Svetogorsk Leningradskoy oblasti)

Tank for liquid salt storage. Energetik 13 no.6:14-15 Je '65.
(MIRA 18:7)

MOLOCHKOV, A.V.; TALAKO, G.S.; POL'SKIY, S., red.; TRUKHANOVA, A., tekhn. red.

[How to read blueprints] Kak chitat' tekhnicheskii chertezh. Minsk, Gos. izd-vo BSSR. Red. nauchn.-tekhn.lit-ry, 1958. 145 p. (MIRA 11:4)
(Blueprints)

PHASE I BOOK EXPLOITATION SOV/4400

Molochkov, A. V.

Statisticheskiy kontrol' v mashinostroyenii (Statistical Control in Machinery Manufacturing) Minsk, Gos. izd-vo BSSR, 1958. 58 p. (Series: Bibliotechka rabochego mashinostroitelya) 3,000 copies printed.

Ed.: I. Chernyak; Tech. Ed.: N. Stepanova.

PURPOSE: This book is intended for personnel in machinery-manufacturing plants, e.g., for inspectors, adjusters, or machine-tool operators.

COVERAGE: The book describes, in popular style, the problems associated with statistical control and its use in machinery-manufacturing plants. No personalities are mentioned. There are 19 references, all Soviet.

TABLE OF CONTENTS:

Card ~~1/2~~

MOLOCHKOV, Aleksandr Vasil'yevich; TALAKO, Grigoriy Safronovich; KASHTANOV, F., red.; YERMOLENKO, V., tekhn. red.

[How to read mechanical drawings] Kak chitat' tekhnicheskii chertezh. Izd.2., perer. Minsk, Gos.izd-vo BSSR, 1963. 255 p. (MIRA 16:12)

(Mechanical drawing)

SOV/124-58-8-9157

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 120 (USSR)

AUTHOR: Molochkov, A.V.

TITLE: On the Investigation of Cutting Stresses in Metals (K voprosu issledovaniya napryazheniy pri rezanii metallov)

PERIODICAL: Mashinostroitel' Belorussii, Nr 2 (3), 1957, pp 79-83

ABSTRACT: Bibliographic entry

Card 1/1

S/276/63/000/004/004/007
A052/A126

AUTHORS: Fel'dshteyn, E.I., Molochkov, A.V., Izrailevich, Ya.S., Korzhenevskiy, Z.I.

TITLE: New method of tool cooling on gear-cutters

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 4, 1963, 183 - 184, abstract 4B1021. (Prom-st' Belorussii, no. 7 (50), 1962, 35 - 39)

TEXT: The atomizing of liquids in the form of a spray by means of compressed air has found its application in turning and milling operations. It prolongs considerably the service life of the tool whereas the liquid consumption decreases and makes up 100 - 700 g/hour for emulsion and 0.5 - 2 g/hour for oil. The results are reported of the introduction of tool cooling with atomized liquids on gear-milling and gear-shaping machines at the Minsk spare part plant. The investigation has established that the introduction of this method prolongs the service life of the tool and cuts the sulfofrassool consumption. This secures a yearly saving of 300 roubles per gear-milling machine and 150 roubles per gear-shaping machine. A compara-

Card 1/2

New method of tool cooling on gear-cutters

tiva testing of three installations was carried out. The design of the Ivanovo textile institute was approved as the best installation securing a stable and easily controlled air mixture "torch". Seven sorts of lubricating-cooling liquid were tested in gear-milling. The best results with respect to the service life of the tool (an 1.5 increase) gives atomized anticorrosion water (0.3% sodium nitrite, 0.3% calcined soda, the balance water) at 2 kg/cm² air pressure and 600 - 700 g/hour liquid consumption. In gear-shaping the application of atomized anticorrosion water also prolongs the service life of the tool by a factor of 1.5 compared with sulfofraesoel cooling (dropping jet). The installation for atomizing cooling liquids and the mixture design are described. There are 5 figures and 2 tables.

[Abstracter's note: Complete translation.]

Card 2/2

S/121/63/000/002/007/010
D040/D112

AUTHORS: Fel'dshteyn, E.I., Molochkov, A.V., Izrailevich, Ya.S., and Korzhenevskiy, Z.I.

TITLE: Cooling gear cutting tools by sprayed fluid

PERIODICAL: Stanki i instrument, no. 2, 1963, 31-33

TEXT: Experiments conducted jointly by the Belorusskiy politekhnicheskiy institut (Belorussian Polytechnic Institute) and the bazovaya zuboreznaya laboratoriya (Basic Gearcutting Laboratory) of the SNKh BSSR at the Minskiy zavod zapasnykh chastey (Minsk Spare Parts Plant) have shown that a water spray with 0.3% of sodium nitrite and 0.3% of soda ash was the best cutting fluid. The life of cutters cooled by this spray was 1.5 times longer than those cooled by sulfofrezol, which in turn gives a considerably longer tool life than oil spray or emulsions. This effect is explained by the intensive cooling of the worn surfaces of the tool, and by the peculiar dissociation effect of the aqueous electrolyte solutions. Use of the water spray also eliminates gear washing after cutting, facilitates machine cleaning, and generally improves working conditions for the operators. The new method is now being used on dozens of gear generators at the above-

Card 1/2

S/121/63/000/002/007/010
D040/D112

mentioned Minsk plant with an automatic spraying unit designed by the Ivanovskiy tekstil'nyy institut (Ivanovo Textile Institute). The recommended spray nozzle shape is shown in a diagram. Practical recommendations are given. There are 6 figures and 2 tables.

MOLOCHKOV, Yu.B.

Calculation of radio lenses having a constant angle of refraction. Radiotekh.i elektron. 5 no.6:913-917 Je '60.
(MIRA 13:6)
(Electron optics) (Radio waves)

MOLOCHKOVA, R.

Spring of the human race. Rabotnitsa 36 no.4:1-2 Ap '58.
(MIRA 11:4)
(Labor and laboring classes)

MOLOCHKOVA, R.

New Year's wishes. Rabotnitsa no.1:24 Ja '59. (MIRA 12:3)
(New Year)

MOLOCHKOVA, V.T.

Effect of the doubling process on the sliver splicing board on the unevenness of combed flax sliver. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.2:76-83 '63. (MIRA 16:6)

1. Kostromskoy tekhnologicheskiy institut.
(Flax) (Spinning machinery)

SAVEL'YEV, A.P.; NEYAGLOV, A.V.; MOLOCHNIKOV, I.M.

More raw materials should be made available to the petrochemical industry. Neftianik 7 no.9:1-2 S '62. (MIRA 16:7)

1. Zamestitel' direktora Bashkirskogo nauchno-issledovatel'skogo instituta po pererabotke nefti (for Savel'yev). 2. Nachal'nik neftetekhnicheskogo otdela Bashkirskogo nauchno-issledovatel'skogo instituta po pererabotke nefti (for Neyaglov). 3. Rukovoditel'sektora laboratorii ekonomicheskikh issledovaniy Bashkirskogo nauchno-issledovatel'skogo instituta po pererabotke nefti (for Molochnikov).

(Petroleum chemicals)

ZENINSKIY, A.M.; KOROLEVA, M.P.; MOLOCHNIKOV, I.M.; NENASHEVA, R.V.

Using the production capacity of the petroleum refineries of Bashkiria. Trudy BashNII NP no.6:267-271 '63.

NEYAGLOV, A.V.; MOLOCHNIKOV, I.M.; MEYERCHENKO, M.P.; BORISOVA, N.S.

Technical and economic indices for the separation of butane-butylene, propane-propylene, and ethane-ethylene fractions on a gas-fractionating unit. Trudy BashNII NP no.7:155-163 '64.
(MIRA 17:9)

LAPITSKAYA, O.I.; SAVEL'YEV, A.P.; MEL'DER, N.A.; MOLCHNIKOV, I.M.

Technical and economic comparison of the pyrolysis of various hydrocarbon raw stock. Trudy BashNII NP no.7:169-174 '64.
(MIRA 17:9)

MOLOCHNIKOV, I.M.; CHISTOSERDOV, B.P.; KOKOVA, V.A.; KORALEVA, M.P.

Effect of methods employed in the production of hydrogen on the technical and economic indices of petrochemical and petroleum refining production. Trudy BashNII NP no.7: 175-177 '64. (MIRA 17:9)

EYGENSON, A.S.; NEYAGLOV, A.V.; MOLOCHNIKOV, I.M.; TERENT'YEV, G.A.

Ensure a supply of hydrocarbon raw materials to petrochemical industries. Khim. prom. 41 no.3:166-170 Mr '65. (MIRA 18:7)

MOLOCHNIKOV, L.I., inzhener.

Experience in operating the hydraulic dredge 500-60. Mekh.stroi. 10 no.9: 17-21 S '53. (MLRA 6:8)
(Dredging machinery)

MOLOCHNIKOV, L.N., inzhener.

Operating a large suction dredge. Gidr.stroi. 22 no.4:11-14 Ap '53.
(MLRA 6:5)
(Dredging machinery)

MOLOCHNIKOV, L.N.; GOL'DSHTEYN, L.Ye., red.; SPIRIDONOV, N.F., tekhn. red.

[Operation and repair of electric dredging equipment] Eksploatatsiia i remont elektricheskikh zemsnariadov. Pod red. M.N. Miasoedova. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1955. 89 p. (MIRA 11:8)
(Dredging machinery--Maintenance and repair)

MOLOCHNIKOV, L.N.

Vacuum air lift. Biul. tekh.-ekon. inform. no.1:77-78 '57.
(Vacuum pumps) (MIRA 11:4)

MOLOCHNIKOV, L. N., Cand Tech Sci -- (diss) "Vacuum air lift." Mos, 1958. 20 pp with drawings (Min of Agriculture USSR, All-Union Sci Res Inst of Hydraulic Engineering and Melioration), 120 copies (KL, 18-58, 99)

MOLOCHNIKOV, L.N., kand.tekhn.nauk

The KT complex turbotransmission. Biul.tekh.-ekon.inform. no.7:49-51 '61. (MIRA 14:8)

(Turbomachines)

MOLOCHNIKOV, L.N.; ROTENBERG, A.M.

New BSK-3 drilling rig with an automatic transmission. Razved. i okh. nedr 28 no.2:21-25 F '62. (MIRA 15:3)

1. TSentral'noye konstruktorskoye byuro Ministerstva geologii i okhrany nedr SSSR.

(Boring machinery)

L 24162-66 EWT(m)/EPF(n)-2/EWP(t) IJP(c) JD/WW/JG

ACC NR: AP6015170 SOURCE CODE: UR/0382/65/000/001/0115/0122

AUTHOR: Branover, G. G.; Bugrov, N. S.; Kirko, I. M.; Liyelausis, O. A.; Molochnikov, M. V.

49
B

ORG: none

TITLE: Experiments on a pressure-free loop for liquid pig iron

SOURCE: Magnitnaya gidrodinamika, no. 1, 1965, 115-122

TOPIC TAGS: pig iron, molten metal, magnetic field

ABSTRACT: By means of experiments on a pressure-free loop for liquid pig iron, the approximate dependence of the capacity of the electromagnetic trough on the current load and the angle of rise have been determined. The required current loading has also been found for the start of transit flow. It was shown that the flux in the trough was steady. The loop consisted of a U-shaped channel connected to a bath of liquid metal. The metal moved along the loop under the action of a travelling magnetic field. Orig. art. has: 5 figures and 10 formulas. [JPRS]

SUB CODE: 13, 20 / SUBM DATE: 24Sep64 / ORIG REF: 005

Card 1/1

UDC: 538.4: 669.163.1

MOLOCHNIKOV, L.N.

Methods for planning the diagrams of hydraulic systems. Trudy TSKB no.5:13-38 '62. (MIRA 16:7)

L 62215-65 EWT(1)/EWP(m)/EPA(s)-2/EWT(m)/EPA(sp)-2/EPF(n)-2/EWG(v)/EPR/EPA(w)-2/T-2/EWP(t)/EWP(b)/EWA(m)-2 Pd-1/Pe-5/Ps-4/Pt-7/Pi-4/Pu-4 IJP(c) JD/WW/JG

ACCESSION NR: AP5014184 UR/0382/65/000/001/0115/0122
538.4 : 669.163.1

AUTHOR: Branover, G. G.; Bugrov, N. E.; Kirko, I. M.; Liyelausis, O. A.; Molochnikov, M. V.

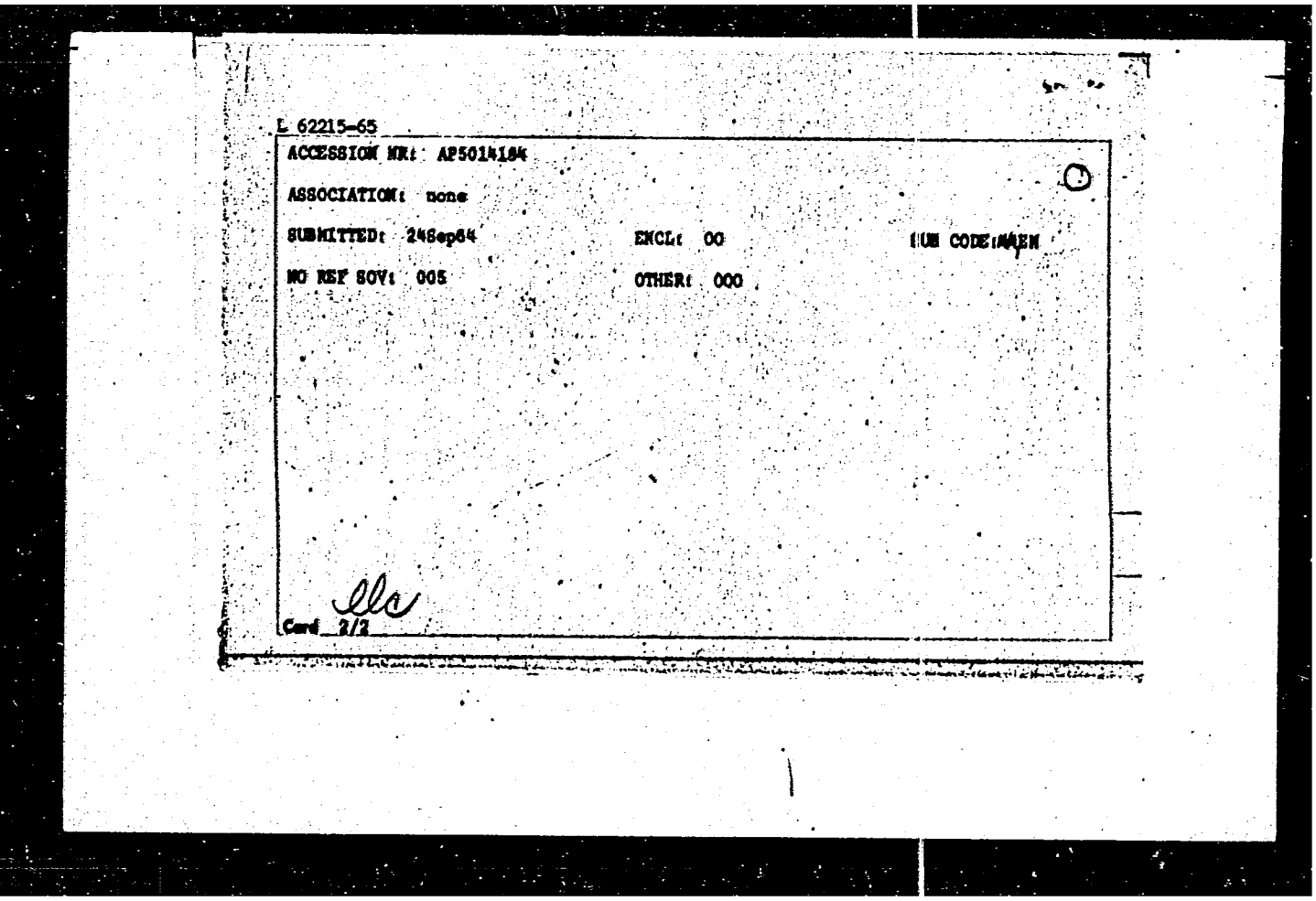
TITLE: Experiments with pressureless channel for molten iron

SOURCE: Magnitnaya gidrodinamika, no. 1, 1965, 115-122

TOPIC TAGS: liquid metal pump, magnetohydrodynamics, electromagnetic field

ABSTRACT: Liquid iron and steel flow in an electromagnetic field was studied. Special attention was given to flow rates and their dependance on the induction coil parameters. The test equipment is shown and described in detail. The upward flow of conducting metal is shown to begin approximately when electromagnetic and gravitational forces are equal. An empirical expression is given for the value of the magnetic field necessary for the start of the flow for a case of upward inclination of α degrees (ranging from 0° to 10°). Other experimental results are given including the energy loss as a function of the current in the inductor coils. Orig. art. has: 10 formulas, 5 figures.

Card 1/2



L 62215-65

ACCESSION NR: AP5014184

ASSOCIATION: none

SUBMITTED: 24Sep64 ENCL: 00 SUB CODE: MAEM

NO REF SOV: 005 OTHER: 000

Card 2/2

MOLOCHNIKOV, N. L.

Hydraulic Engineering - Construction

Card 1/1 : Pub. 70 - 4/11

Authors : Molochnikov, N. L., and Fedotov, I. I.

Title : New arrangement for elimination of ice around dredgers

Periodical : Mekh. stroi., 11, 12-14, Apr 1954

Abstract : A new arrangement for the elimination of ice around dredges, working on the construction of the large Kuybyshev Hydroelectric Station on the Volga River, is described. Each dredge was provided with 6 - 10 propeller-type pumps which, by their rotating motion, do not allow ice to form or break up already formed ice. Illustration; drawings.

Institution : .....

Submitted : .....

BERENOV, Dmitriy Ivanovich [deceased]; MOLOCHNIKOV, N.V., kand.tekhn. nauk, retsenzent; SOKOLOVSKIY, V.I., kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

[Strength analysis of parts; analysis of durability and dynamic stresses] Raschety detalei na prochnost'; opredelenie dolgovechnosti i dinamicheskikh usilii. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1959. 214 p. (MIRA 12:3)
(Strains and stresses) (Machinery--Design)

MOLOCHNIKOV, N.V.; SHCHEPKIN, V.A.; KHEYFETS, B.3.

Drive for a blast furnace charge distributor. Biul. TSIICHM no.5:44-46 '61. (MIRA 14:10)
(Blast furnaces--Equipment and supplies)

MOLOCHNIKOV, Z.I.

Portable apparatus for holding perforating gun casings. Razved. i prom.geofiz.no.12:57-59 '55. (MLRA 9:7)
(Oil well drilling--Equipment and supplies)

MOLOCHNIKOVA, D.A.

Etiological structure of dysenterial stimulants. Zdrav. Bel. 7 no.9:45-46 S '61. (MIRA 14:10)

1. Iz Vitebskoy infektsionnoy klinicheskoy bol'nitsy (glavnyy vrach F.A.Braginskaya) i kafedry infektsionnykh bolezney Vitebskogo meditsinskogo instituta (zav. kafedroy - prof. A.I.Reznikov).
(DYSENTERY)

MOLOCHNIKOVA, F.E.; SILINA, Ye.I.

The thickening of sulfide pulp by means of the AMF flocculator. Gor. zhur. no. 1:75-76 Ja '61. (MIRA 14:1)

1. Institut Uralmekhanobr, Sverdlovsk.
(Ore dressing--Equipment and supplies)

KAKOVSKIY, I.A.; BABAK, V.K.; MOLOCHNIKOVA, F.E.

Effect of mineral additions on the oxidation process of sulfide ions in aqueous solutions of sodium sulfide. Obog. rud 6 no.5: 23-27 '61. (MIRA 15:1)

1. Ural'skiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh.
(Flotation) (Sulfides)

Molochnov, G.V.

USSR/Physics of the Earth - Geophysical Prospecting, O-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36467

Author: Molochnov, G. V.

Institution: None

Title: Vertical Magnetic Dipole on the Surface of a Horizontal Stratified Structure

Original Periodical: Collection: Geofizicheskiye metody razvedki, Moscow, Gosgeoltekhizdat, 1955, 25-33

Abstract: Analysis of the theory of the electromagnetic field of a vertical magnetic dipole, located on the surface of a double-layer medium. The equations of electrodynamics are solved with allowance for the boundary conditions and for the excitation conditions. The integral expression obtained by separation of the variables for the components of the field is simplified on the assumption that the distance from the source of the field to the point of observation is much less than the length of the electromagnetic

Card 1/2

USSR/Physics of the Earth - Geophysical Prospecting, O-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36467

Abstract: wave in the earth. Equations are given for the effective conductivity and for the effective dielectric constant of a double-layer medium. The frequency limits, within which it is possible to measure either the conductivity or the dielectric constant of a section are given. A description is given for the basic method of observations of the electromagnetic field, at which the measurement can be carried out at various frequencies and at various distances from the source. An equation is derived for the correction that must add to the results of the measurement owing to the fact that the source of the field is not a point dipole. Bibliography, 3 titles.

Card 2/2

GASANENKO, L.B.; MOLOCHNOV, G.V.

Electromagnetic field of horizontal magnetic dipoles over horizontally stratified structures. Uch. zap. LGU no.249:45-61 '58. (MIRA 11:5)
(Electromagnetic theory) (Magnetism, Terrestrial)
(Terrestrial electricity)

MOLOCHNOV, G.V.

Experimental investigation of electromagnetic fields in nonhomogeneous media. Uch. zap. LGU no.249:63-70 '58. (MIRA 11:5)
(Terrestrial electricity) (Electromagnetic theory)

MOLOCHNOV, G.V.; BALOBAYEV, V.T.

Conducting solids in the electromagnetic field of vertical magnetic dipoles. Uch. zap. LGU no.249:80-89 '58. (MIRA 11:5)
(Prospecting—Geophysical methods)

24.(2)

AUTHOR: Molochnov, G. V. SOV/54-59-2-6/24

TITLE: Dipole Electromagnetic Method of Determining the Depth of a Conducting Layer (Dipol'nyy elektromagnitnyy metod opredeleniya glubiny zaleganiya provodyashchego sloya)

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, 1959, Nr 2, pp 43-48 (USSR)

ABSTRACT: This paper describes the general assumptions for the geophysical method mentioned in the title of the depth determination of well conducting horizons imbedded between non-conducting rock layers. This method is principally based on the measurement of the amplitude of the components or of the angle of inclination of the magnetic field vector to the vertical magnetic dipole. The vertical harmonic magnetic dipole on the surface of a two-layer structure with horizontal separating surfaces produces an eddy current in the conducting layers. The density of this eddy current is the higher, the better the conductance of the medium is. This current produces a secondary magnetic field. The total field resulting from the magnetic field of the dipole and from the secondary magnetic field will be observed in the observation point at a distance r from the dipole. The

Card 1/3

total field is represented by the known (Ref 8) equation (1). This equation becomes much simpler if the magnetic field of the upper non-conducting layer is neglected, and if it is taken into account that the wave length of the spreading magnetic field in the upper layer and in the air is much longer than r, and in the conducting layer much shorter than r (Conditions 3, 4). Thus, the equations (1) and (2) become elementary equations:

$$H_z = H_o \cdot h_z,\ H_r = H_o \cdot h_r,\ h_z = 1 + \frac{2\partial^2 - 1}{(1+\partial^2)^{5/2}},\ h_r = \frac{3\partial}{(1+\partial^2)^{5/2}};$$

where H_o holds for $H_o = -\frac{M}{r^3}$ (M = dipole moment). The functions h_z and h_r on the distance R = r/h (for the values 0-20) are reproduced in figures 1 and 2. An analysis of these curves shows that after fulfilling conditions (3) and (4) the radial and vertical components of the field only depend on the distance R = r/h. In the mentioned equations, H_z and H_r designate the vertical and radial components of the magnetic field $\partial = 2h/r$, h = the thickness of the 2nd layer, α = the

angle of inclination of the magnetic field vector. According to equations (7) and (8) it is determined by the following formula: $\alpha = \text{arctg}\frac{H_z}{H_r} = \text{arctg}\frac{(1+\partial^2)^{5/2} + 2\partial^2 - 1}{3\partial}$ (9).

This expression is also dependent on $R = r/h$ (Fig 3). All these statements, especially the last-mentioned function, give the proof for the assertion which says that the depth of imbedding of the conducting layer can be determined by the measurement of the angle of inclination of the vector of the magnetic field produced by the dipole. This method of determination was successfully used in 1958 for determining the sea ice thickness between 1 and 12 m. There are 3 figures and 9 Soviet references.

SUBMITTED: June 26, 1958

Card 3/3

MOLOCHNOV, G.V.

Dipole electromagnetic method for the determination of the depth of the conducting layer. Vest.LGU 14 no.10:43-48 '59.
(MIRA 12:6)

(Logging (Geology)

MOLOCHNOV, G.V.

Estimating the effect of a thin nonconducting layer in electromagnetic frequency sounding. Uch. zap. LGU no.278:189-196 '59.
(MIRA 13:2)
(Electric prospecting)

MOLOCHNOV, G.V.

Model studies of electromagnetic frequency sounding. Uch. zap. LGU no.278:209-221 '59. (MIRA 13:2)
(Electric prospecting)

PHASE I BOOK EXPLOITATION SOV/4610

Leningrad. Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut

Problemy Arktiki i Antarktiki; sbornik statey, vyp. 3 (Problems of the Arctic and Antarctic; Collection of Articles, No. 3) Leningrad, Izd-vo Morskoy transport," 1960. 119 p. 500 copies printed. [Xerox copy]

Sponsoring Agencies: Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy Institut Glavnogo upravleniya Severnogo morskogo puti Ministerstva morskogo flota SSSR.

Resp. Ed.: V.Y. Frolov; Editorial Board: I.I. Bakhanin, A.A. Giri, F.A. Gordiyenko (Deputy Resp. Ed.), I.M. Dolgin, L.A. Kapitanaya, A.A. Kirillov, Ya.S. Korotkevich, V.K. Larrov, I.F. Maksimov, A.I. Ol', I.I. Ponyrko, and B.V. Polisevi; Tech. Ed.: L.P. Druzhinina.

PURPOSE: This collection of articles is intended for geographers and geophysicists, particularly those interested in the problems of the Arctic and Antarctic.

COVERAGE: This publication of the Arctic and Antarctic Scientific Research Institute contains articles on the water temperature in the Arctic Basin, the tides of Arctic seas, the structure of Arctic ephlems and anticyclones, radiosonde measurements of temperature, the determination of ice thickness by dipole electromagnetic methods, and magnetic activity in relation to geographical longitude and latitude. No personalities are mentioned. References follow each article.

AVAILABLE: Library of Congress

Card 4/4

JA/dwp/afm
1/4/61

S/054/60/000/02/04/021
B022/B007

AUTHOR: Molochnov, G. V.

TITLE: An Electromagnetic Dipole Method for the Determination of the Depth of a Layer With Finite Conductivity

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, 1960, No. 2, pp. 34-44

TEXT: In the present paper equations are developed for the field of a vertical magnetic dipole for the case of a finite conductivity of the first (upper) and second (lower) layer. The displacement currents in the air are also taken into account. The values of the coefficients K_1 with p_1^2 and of K_o with p_o^2 for some values of δ are given (Table 1). For the purpose of comparing the coefficients at various powers of p_2 in the principal terms, Table 2 is given. The difference between the dipole field in the case of finite conductivity of the base and the field over an absolutely conducting base is shown in Figs. 1-4. Fig. 1 shows the diagram of the dependence of phase φ_z on R, and the ratio of the amplitude M_z of

Card 1/3

the vertical component of the magnetic field, in the case of a finite conductivity of the base, to the amplitude of the field $H_{z\infty}$ in the case of an absolute conductivity of the base ($\lambda = 0$), and Fig. 2 shows the same dependence for the radial component of the magnetic field. The dependence of the phase difference ($\Delta\varphi = \varphi_r - \varphi_z$) on R is shown in Fig. 3, while that of the difference between the angle of inclination $\Delta\alpha = \alpha - \alpha_0$ of the large axis of the polarization ellipse α at different λ/h, and of the vector of the magnetic field over the base with infinite conductivity σ_0 on R is given in Fig. 4. Table 3 shows some results obtained in the determinations of the thickness of sea-ice and of the conductivity of sea-water, which were carried out according to the electromagnetic dipole method on the basis of equations (23) and (25). The following persons are mentioned: P. P. Pavinskiy, Diploma Candidate of the kafedra fiziki zemnoy kory (Chair of the Physics of the Earth's Crust) Savicheva, L. B. Gasanenko; mention was further made of one of the author's patents : Ustroystvo dlya izmereniya tolshchiny sloya (Device for the Measurement of the Thickness of a Layer), Avtorskoye svidetel'stvo

VB

An Electromagnetic Dipole Method for the Determination of the Depth of a Layer With Finite Conductivity

S/054/60/000/02/04/021
B022/B007

No. 115579 of January 4, 1958. There are 4 figures, 3 tables, and 6 Soviet references.

VB

Card 3/3

MOLOCHNOV, G.V.; CHEREPANOV, N.V.

Use of the electromagnetic dipole method in determining the thickness of sea ice. Probl.Arkt.i Antarkt. no.3:77-83 '60. (MIRA 13:9)

(Sea ice--Measurement)
(Electromagnetic prospecting)

MOLOCHNOV, G.V.; MATVEYEVA, E.T.; OSOKINA, G.N.

Electromagnetic field of a vertical magnetic dipole over a two-layered structured with a steplike boundary. Uch. zap. LGU no.286:255-260 '60. (MIRA 14:3)
(Electromagnetic prospecting)

MOLOCHNOV, G.V.

Electromagnetic dipole method of determining the depth of the conducting layer under conditions of a dipping interface. Uch. zap. LGU no.286:261-265 '60. (MIRA 14:3)
(Electromagnetic prospecting)

MOLOCHNOV, G.V.; SPIRIDOVICH, G.N.

Errors occurring in observations made by the electromagnetic dipole method. Uch. zap. LGU no.286:271-274 '60. (MIRA 14:3)
(Electromagnetic prospecting)

S/049/61/000/006/012/014
D201/D306

AUTHOR: Molochnov, G.V.

TITLE: The possibility of realizing a directional electromagnetic sounding

PERIODICAL: Akademiya nauk SSSR, Izvestiya, Seriya geofizicheskaya, no. 6, 1961, 915-916

TEXT: A description is given of an induction method of sounding for well conducting localized objects lying under badly conducting strata. The method may be called that of directional electromagnetic sounding. The method consists of using two frames, one of the frames with a certain number of turns takes an alternating current of known frequency; the second receiving frame is placed inside the generating first frame in such a manner that the centers of both frames coincide and their respective planes are perpendicular to each other. The receiving frame is connected to the field indicator. The primary field generated by the first frame will not be detected by the second frame and in the

Card 1/3

The possibility ...

absence of conducting bodies or layers the indicator will not register. Calculations show that the secondary field from a stratified medium having parallel limiting surfaces and perpendicular to the plane of the receiving frame is given by Eq. (1)

$$H = M \sin 2\psi \int_0^\infty f(n, \varkappa_e, h_\ell)\, dn \qquad (1)$$

where M - the moment of the signal dipole; ψ - the angle which it forms with the horizontal; $f(n, \varkappa_e, h_\ell)$ - a function depending on the wave number $\varkappa_e$ and power h_ℓ of the layers. The maximum field is thus for $\psi = 45^\circ$. The four-lobe directional patterns obtained in theory and practice are in good agreement. If a badly conducting layer is on top of a well conducting one, for $\psi = 45^\circ$ Eq. (2) $H = \frac{M}{16b^3}$ may be obtained, where h - distance from the frame centers to the conducting layer, so that knowing the dipole moment M and having measured the magnetic field H, the depth at

Card 2/3

which the conducting layer lies may be easily determined, the directivity does not change in the case of bodies of finite dimensions so that the device may be applied to detect conducting bodies of any shape and dimensions and since in this method both the receiver ad generator are placed near each other, there is also a possibility of measuring the phase shift and of obtaining an easily transportable instrument for the detection of ore and fissures. There are 2 figures and 2 Soviet-bloc references.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova (Leningrad State University im. A.A. Zhdanov)

SUBMITTED: December 20, 1960

MOLOCHNOV, G.V.

Directed electromagnetic sounding. Uch.zap.LGU no.303:118-128 '62. (MIRA 15:11)
(Electromagnetic prospecting)

MOLOCHNOV, G.V.; GREBENNIKOV, G.M.

Comparison of the inductive method and the dipole electromagnetic method on a thin conducting membrane (on a model). Uch.zap.LGU no.303:129-134 '62. (MIRA 15:11)
(Electromagnetic prospecting—Models)

MOLCCHNOV, G.V.

Methods for eliminating the primary field in induction methods. Geofiz. prib. no.20:69-73 '64. (MIRA 18:9)

1. Leningradskiy gosudarstvennyy universitet im. Zhdanova.

L 44286-66 EWT(1) GG

ACC NR: AT6026540 SOURCE CODE: UR/2703/66/000/329/0090/0093

AUTHOR: Molochnov, G. V.

ORG: none

TITLE: Secondary field of a harmonic magnetic dipole

SOURCE: Leningrad. Universitet. Uchenyye zapiski, no. 329, 1966, Seriya fizicheskikh i geologicheskikh nauk, no. 16. Voprosy geofiziki (Problems in geophysics), 90-93

TOPIC TAGS: dipole field, electromagnetic field, Bessel function, wave function, magnetic moment

ABSTRACT: The electromagnetic field of an oblique dipole is equivalent to a superposition of a vertical field with a moment $M_0 = M\sin\psi$ and a horizontal field with a moment M_h equal to $M_h = M\cos\psi$. The components of the total field can be expressed in terms of first-order Bessel functions. These formulas are used in calculating the dependence of the secondary field on distance. The extent of the secondary field of the vertical dipole is two times that of the horizontal dipole. The data obtained by numerical integration for a one particular case can be used to determine the conductivity or the resistivity of the earth generated by an oscillating dipole. Orig. art. has: 1 figure and 9 formulas. [EG]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 003

Card 1/1 mjs