GUDNIN, N.N.; ABDURASHITOV, S.A.; KARAYEV, M.A.

Possibility of predicting the conditions for suction of offshore oil field pumping stations in connection with the drop in the level of the Caspian Sea. Izv. vys. ucheb. zav.; neft' i gaz 8 no.6:89-90 '65.
(MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

GUDKOVSKIY, Ye.P.

Simplified method of determining data for assigning a direction. Ugol' Ukr. 7 no.11:39-40 N '63. (MIRA 17:4)

1. Glavnyy marksheyder tresta Lisichanskugol'.

ARTOBOLEVSKIY, I.I.; VEL'DT, Ye.O.; GRODZENSKAYA, L.S.; GUDMAN, T.P.; LEVITSKIY, N.I.; KHARTENBERG, R.S.

Kinematics of mechanisms; German-English-Russian terminological dictionary. Teor. mash. i mekh. no.94/95:54-68 '63. (MIRA 16:11)

GUDNEVA, O. A., POPOV, S. C., DENISENKO, V. K., KOROVIN, F. T., GUTSEVICH, A. V., FEREFIL'YEV, P. P., POGODINA, E. A., FEDOROV, M. N., SPRERANSKAYA, V. N., SIYANITSKIY, F. M., SHUSTROV, A. K., ALEKSANDROV, P. M., KLEVAKIN, V. N., BORISKIN, M. M., LIL'P, G. M. and ZIL'BERMINTS, I. V.

"The Effectiveness of a Chemical Method for Combatting Arthropods over Large Areas from Airplanes."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1969.

(Leningrad - Moscow)

GUDNICHEV, V.D., brigadir malyarov

We are mechanizing technological operations as much as possible. Transp.stroi. 13 no.9:42-43 S '63.

1. Upravleniye No.334 Stroitel'no-montazhnogo tresta stroitel'stva elektrifitsirovannykh zheleznodorozhnykh liniy Glavzheldorstroya TSentra i Zapada Ministerstva transportnogo stroitel'stva SSSR.

GUDKIN, N.N.

Concerning the effect of a sea wave on the flow parameters at the intake line of a pump in case of pumping sea water. Izv. vys. ucheb. zav.; neft' i gaz 7 no.12:73-76 '64
(MIRA 18:2)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.

ZHEMCHUGOV, V.N., insh.; GUDNIN, N.N., insh.

Improving the characteristics of a centrifugal pump in polishing rotor wheel channels by means of the abrasive-jet method. Vest.mashinostr. 45 no.10:28-29 O '65.
(MIRA 18:11)

GUDOCHKIN, M.V.

Tables of resources and mensuration elements of saxaul plantations in southeastern Kazakhstan. Izv.AN Kazakh.SSR. Ser.biol.no.10:118-138 '55. (MLRA 9:4)

1.Kazlesproyekt.

(KAZAKHSTAN--HALOXYLON)

GULOCHKIN, Mikhail Vasil'yevich; CHABAN, Pavel Sergeyevich; SHERMAN, R., red.; ZLOBIN, M.V., tekhn.red.

[Forests of Kazakhstan] Lesa Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1958. 322 p. (MIRA 12:1)
(Kazakhstan--Forests and forestry)

GUDOCHKINA, L.M.

Prevention of flash floods in the Trans-Ili Ala-Tau. Biul.MOIP. Otd.geol. 32 no.1:127 Ja-F '57. (MLRA 10:5)
(Trans-Ili Ala-Tau-Floods)

GUDOCHKINA, L.M.

Measure for combating mudflows in Alma-Ata Province, Kazakh S.S.R. Nauch.dokl.vys.shkoly; geol.-geog.nauki no.1:233-237 '58. (MIRA 12:2)

1. Kazakhskiy gornometallurgicheskiy institut.
(Alma-Ata Province—Landslides)

GUDOCHKINA, L.M.

AUTHOR: None given SOV/5-58-5-12/20

TITLE: The Hydrogeological Section (Gidrogeologicheskaya sektsiya)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, Nr 5, pp 151 - 153 (USSR)

ABSTRACT: The Hydrogeological Section of the Society, (Chairman- O.K. Lange, Secretary - N.F. Lobanova) heard the following reports. On 10 April 1958, by A.S. Dubil'yer, "The Question of Hydrochemical Zonality of Upper-Permian Deposits in the South Ural Region", and "The Borate Waters of the Trans-Emba channels by G.V. Tayiegrin. The following persons took part in the discussions: A.A. Aleksin, A.F. Yakushova, B.P. Mavritskiy, S.V. Viktorov, N.F. Lobanova, K.A. Ksenofontova and O.K. Lange. On 17 April 1958, by B.L. Lichkov, "Erosive Surfaces of Mountains, the Structure of Mountains and Hydrogeology", and by V.S. Samarin "The Geomorphology and the Hydrogeologic Map". The following persons took part in these discussions: N.I. Skolov, B.V. Dumitrashko, M.A. Veviorovskaya, A.A. Konoplyantsev, A.S. Dubil'yer, K.V. Filatov, A.A. Brodskiy, V.B. Neyman. On May 15, by K.V. Filatov "The Basic Rules of the Hydrochemical Compositon of Subterranean Waters of the Altay, and some Considerations on the Problem of Their Genesis", and by L.M. Gudochkina, "The Engineering and Geological Characteristics of Rocks from the Alma-Ata Region". The following persons took part in the discussions: Ye.N. Yartseva, V.N. Popov, A.G. Zavidonova, N.F. Lobanova, Yu. V. Mukhin, D.S. Sokolov and O.K. Lange. On May 22, by N.V. Tageyeva, "The Geochemistry of Pore Waters from Quaternary and Pliocene Sediments of the Caspian Sea", and by Ch.Ya. Krol', "The Geochemistry of Pore Solutions of Carboniferous Deposits of the Moscow Oblast'". The following persons took part in the discussions: V.N. Popov, A.A. Gavryukhina, G.L. Stadnikov, V.P. Bel'skaya, Ch. Ya. Krol', A.G. Zavidonova and O.K. Lange. On May 29 1958, the reports were made by A.I. Silin-Bekchurin, "Some Problems of Hydrogeology in North Africa and Hindustan" and by A.G. Zavidonova "The Devonian Waters of the Tambov Oblast'"). The following persons took part in the discussions: Yu.N. Mukhin, A.G. Zavidonova, M.A. Veviorovskaya, A.S. Dubil'yer, O.K. Lange and A.I. Silin-Bekchurin.

Card 1/3

Card 2/3

AUTHOR: Gudochkina, L.M. SOV/5-59-5-16/20

TITLE: The Engineering and Geological Characteristics of Rocks from the Alma-Ata Region (Inzhenerno-geologicheskaya kharakteristika gornykh porod okrestnostey g.Alma-Aty)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, Nr 5, pp 156 - 157 (USSR)

ABSTRACT: The author sums up the report she read on 15 May 1958 in the Hydrogeologic Section of the Society. During the geologic and engineering districting of the Alma-Ata Oblast' for the erection of agricultural hydro-engineering constructions, she studied the causes of the formation of mud-and stone-carrying streams, and of the sagging of the irrigation canals. She ascribed these phenomena to the loess layers, wide-spread in the oblast'.

Card 1/1

MUKHAMEDZHANOV, M., student; TURULINA, T., studentka; PAVLOVA, N., studentka; PARSHAKOVA, V., studentka; SUTBAYEV, S., student; SIDOROV, V., student; ANDRUSEVICH, V., student; BAYMENOV, A., student; ABRAMOVICH, B., student; MALINOVSKAYA, Ye., studentka; GUDOCHKINA, L.M., assistent

Mineralogical characterisitcs of loess of Alma-Ata Province. Sbor. nauch. trud. Kaz GMI no.19:159-163 '60. (MIRA 15:3)
(Alma-Ata Province--Loess)

GAYDAMAK, S., student; SMIRNYAKOVA, G., studentka; KUZ'MINA, E., studentka; LIPOVA, R., studentka; FOMINA, T., studentka; PAVLOVA, N., studentka; KALINOVA, M., studentka; SHCHELKO, A., student; SHCHERBAKOVA, L., studentka; GUDOCHKINA, L.M.

Effect of salinity on the results of determining the specific weight of soils. Sbor. nauch. trud. Kaz GMI no.19:197-198 '60. (MIRA 15:3)

(Soils--Analysis)

GUDOK,

~~Gudok~~, M.S., Cand Tech Sci --(diss) "Effect of external pressure on the filtration properties of petroleum-containing rocks." Mos, 1958. 12 pp (Acad Sci USSR. Inst of Petroleum), 120 copies (KL, 24-58, 119)

KUSAKOV, M.M.; GUDOK, N.S.

Effect of external pressure on filtration properties of oil-bearing rocks. Neft. khoz. 36 no.6:40-47 Je '58. (MIRA 11:9)
(Rocks--Permeability)

20-119-2-9/60

AUTHORS: Gudok, N. S., Kusakov, M. M.

TITLE: Experimental Investigation of the Influence Exerted by the External Pressure on the Permeability of Oil-Bearing Rocks (Eksperimental'noye issledovaniye vliyaniya vneshnego davleniya na pronitsayemost' neftesoderzhashchikh porod)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol 119, Nr 2, pp 229-232 (USSR)

ABSTRACT: In connection with the problem of unsteady filtration and the reconstitution of the pressure in oil-bearing layers, the experimental investigation of the character of deformation of the oil-bearing layers on the influence of the external pressure $P_{ext.}$ of the rocks placed on them is of interest. The investigation of the influence of the external pressure on the velocity of filtration of the liquid in oil-bearing rocks (according to the volume) makes it possible to judge the character of the change of the permeability of these rocks in their

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loading and unloading. The filtration was investigated in the samples of natural oil-bearing rocks (from the Bashkiric and Caucasian oil deposits). The external pressure was exerted by hydraulic compression of the lateral surface of the sample through a thin lead casing, and it amounted up to 600 atmospheres excess pressure. The permeability K was measured by means of the UIPK-1-apparatus and the drop of pressure in the rock sample was determined for a given filtration velocity. Nonpolar kerosene served as filtering liquid. The authors determined the curves $K = f(P_{ext.})$ in the case of increased and decreased external pressure with constant rock pressure. The measurements at the rock samples of different permeability showed the following: In all cases without exception the linear rule of filtration is valid on the basis of which the permeability K at different $P_{ext.}$ was calculated. From the results obtained 2 main types of curves result $K = f(P_{ext.})$. To the first type belong

the curves which characterize the locking of remanent deformations in the samples in the case of decreasing or increasing the external pressure. The curves of the second type, however, characterize the presence of a remanent deformation in the case of a change of pressure. The character of the change of permeability in a repeated cycle depends on the fact if the sample at the end of the inverse course of the first cycle was completely unloaded or if the repeated cycle began at such a pressure at which the external cycle was finished. The character of the deformation of different rocks (sandstones, limestones, aleurolithes, dolomites etc.) is different and depends on their mineral composition, on the structure and on the composition of the cementing substance. According to the results obtained here remanent deformations exist in oil-bearing rocks which can be explained by the occurrence of plastic properties in the presence of external pressures.

Experimental Investigation of the Influence Exerted by the External Pressure on the Permeability of Oil-Bearing Rocks

20-119-2-9/60

In most cases these plastic properties of the rocks are connected with their structure and with the plasticity of the cementing substance. There are 1 figure and 7 references, 2 of which are Soviet.

PRESENTED: September 23, 1957, by S. A. Khristianovich, Member, Academy of Sciences USSR

SUBMITTED: September 20, 1957

AVAILABLE: Library of Congress

Card 4/4

GUDOK, N.S.

Flow properties of rocks of low permeability. Geol. nefti i gaza 4 no.11:19-21 N '60. (MIRA 13:11)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.
(Rocks--Permeability)

PERMYAKOV, I.G.; GUDOK, N.S.

Practicability of the development of oil fields at high rates of oil recovery. Neft. khoz. 39 no.6:33-38 Je '61. (MIRA 14:8)
(Oil fields—Production methods)

GUDOK, N.S.; PANTELEYEV, V.G.

Effect of the flow rate and the relation of viscosities in the solvent flooding prccass. Neft. khoz. 41 no.4:36-38 Ap '63. (MIRA 17:10)

GUDOK, N.S.

Use of liquefied carbon dioxide to increase the petroleum yield of limestone. Nefteprom. delo no.5:8-10 '63.
(MIRA 17:6)

1. Stavropol'skiy filial Groznenskogo neftyanogo nauchno-issledovatel'skogo instituta.

GUDOK, N.S.

Ultimate oil yield of the Ishimbay reef limestones in dissolved gas drive. Neftepromdelo no.2:12-14 '64. (MIRA 17:4)

1. Stavropol'skiy filial Groznenskogo nauchno-issledovatel'skogo neftyanogo instituta.

GUDOK, N.S.; BURLAKOV, I.A.; KORYAGINA, T.F.

Selecting the water for injection into the petroleum reser oirs of oil fields in the Stavropol Territory. Nefteprom. delo no.2:23-27 '65. (MIRA 18:5)

BURLAKOV, I.A.; GUDOK, N.S.

Effect of the temperature and overall pressure on the gas permeability of rocks. Gaz. delo no.4:13-16 '65. (MIRA 18:6)

1. Stavropol'skiy filial Groznenskogo neftyanogo nauchno-issledovatel'skogo instituta.

GUDOK

Accelerate the construction of seed processing plants. Sakh. prom. 35 no. 5:34 My '61. (MIRA 14:5)

1. Sakharnyy kombinat imeni Kirova.
(Seed industry)

TARANENKO, I.T.; GUBOK, V.V.; PRZHETSLAVSKIY, V.L.; VINOGRADOVA, [illegible]

Exchange of experience. Zav.lab. 28 no.4:469 '62. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorsko-tekhnologicheskiy institut asbestovykh tekhnicheskikh izdeliy (for Taranenko, Gubok). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov (for Przhetslavskiy, Vinogradova).
(Latex)
(Building materials--Testing)

SHITIKOV, V.P.; VINOGRADOV, P.A.; TARUSINA, M.S.; Prinimali uchastiye: GAVSHINOVA, K.B.; ARSEN'YEVA, N.G.; GUDOK, V.V.; OVCHINNIKOV, S.G.; MALKOVA, A.P.

Increasing the heat and wear resistance of engineering asbestos friction materials. Kauch.i rez. 21 no.12:25-26 D '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut asbesto-tekhnicheskikh izdeliy, Yaroslavskiy zavod sinteticheskogo kauchuka i Yaroslavskiy zavod asbesto-tekhnicheskikh izdeliy. (Rubber goods) (Asbestos)

ERINGIS, K.; KANTSYARYAVICHYUS, A. [Kancerevicius, A.]; [illegible]; GUDONITE, M. [Gudonyte, M.]; VEBRENE, B. [Vebriene, B.]; EYTMANAVICHENE, N. [Eitmanaviciene, N.]

Brief news. Trudy AN Lit. SSR. Ser. B no.3:217-235 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617230001-1"

KASHKOVSKIY, S.; NOMMIK, E.; [illegible]; JUDOKITE, M. [illegible]

In the Department of Physicotechnical and Mathematical Sciences.
Trudy AN Lit. SSR. Ser. B. no. 4[illegible]223-228 '65 (MIRA 19:2)

GUDOSHCHIKOVA, V.I.

Fall observations on the daily migration of house flies. Med.paraz. i paraz.bolezn. 23 no.1:57-60 Ja-F '59. (MIRA 12:3)

1. Iz parazitologicheskogo otdela Novocherkasskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach Ye.O. Monchenko).
(FLIES,
daily migration during fall (Rus))

POLOVODOVA, V.P.; GUDOSHCHIKOVA-KRASIL'NIKOVA, V.I.; TOKMACHEVA, S.S.

Entomological prerequisites in fly control. Med.paraz. i paraz.bol. 25 no.4:358-363 O-D '56. (MIRA 10:1)

1. Iz Instituta malyarii i meditsinskoy parazitologii Ministerstva zdravookhraneniya RSFSR (dir. instituta S.N.Pokrovskiy) i Novocherkasskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach Ye.A.Monchenko)
(FLIES,
control, entomol. principles (Rus))

ACC NR: AP6030798 (A,N) SOURCE CODE: UR/0346/66/000/009/0038/0040

AUTHOR: Gudoshnik, A. N.; Yegorova, L. S.; Voshchakina, N. V.; Chulovskiy, I. K.

ORG: Omsk Scientific Research Institute for Naturally Focal Infections (Omskiy nauchno-issledovatel'skiy institut prirodnoochagovykh infektsiy)

TITLE: Dogs as possible carriers of zoonotic infections

SOURCE: Veterinariya, no. 9, 1966, 38-40

TOPIC TAGS: animal disease, veterinary medicine, dog, cattle, sheep, brucellosis, Q fever, leptospirosis

ABSTRACT: Because of its close contact with human domestic and forming activity, the dog is included in the infective cycle of several diseases which may be spread from animals to humans. Among such diseases which dogs naturally harbor are brucellosis, leptospirosis, and Q fever. The blood of 256 dogs on five forms in the Omsk oblast was examined using the following tests: agglutination reaction and Huddleson's reaction for brucellosis, complement-fixation (with antigen from *R. Burneti*) for Q fever, and the microagglutination-lysis reaction for leptospirosis, using nine *Leptospira* strains. Based on their results, the authors

Card 1/2 UDC: 619:616.98.031.2:636.7

ACC NR: AP6030798

failed to establish a real correlation in the percentage of infected dogs and the intensity and course of brucellosis among livestock. It was noticed that on farms where livestock suffered acute brucellosis, Wright's reaction was positive at higher titers (1:320) while the titer was not above 1:50 on farms where clinical signs of brucellosis were not observed. The results of serological studies for Q fever and leptospirosis were also fairly inconclusive statistically. It was found that *Leptospira icterohaemorrhagia* was most widespread among all animals studied. Dogs alone showed antibodies for *L. grippotyphosa*, *L. pomona*, and *L. hebdomadis* most frequently, and cattle and sheep for *L. tarassovi* and *L. batavial*. However, in many cases, antibodies for two or three leptospiral serotypes were found simultaneously. The authors conclude that dogs may maintain these diseases among livestock, and that preventive measures should be undertaken on affected forms. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: none/

Card 2/2

GUDOSHNIK, A.M.

Role of ixobid ticks and rodents in the dissemination of Brucella. Zhur. mikrobiol. epid. i immun. 29 no.8:113-117 Ag '58 (MIRA 11:10)

1. Iz Omskogo instituta epidemiologii, mikrobiologii i gigiyeny Ministerstva zdravookhraneniya RSFSR.
(BRUCELLOSIS, transm.
by ticks (Rus))
(TICKS,
brucellosis transm. (Rus))

GUDOSHNIK, A. N., Candidate Biol Sci (diss) -- "The role of pasture ticks in the circulation of the brucellosis agent". Omsk, 1959. 13 pp (Omsk State Vet Inst of the Min Agric USSR), 150 copies (KL, No 24, 1959, 132)

S/0166/63/000/005/0090/0094

ACCESSION NR: AP4002547

AUTHORS: Lyutovich, A. S.; Sinyukov, V. A.; Mamanov, O. A.; Suvorov, A. N.; Gudoshnikov, A. V.

TITLE: Investigation of purity and structural perfection of monocrystalline silicon by measuring Hall effect in whole ingots

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matem. nauk, no. 5, 1963, 90-94

TOPIC TAGS: silicon, monocrystalline silicon, silicon purity measurement, Hall effect

ABSTRACT: The crystal purity in single crystal silicon has been investigated by measuring the Hall effect in whole ingots. The study is based on the expression for the mobility μ of the charge carriers as a function of the Hall emf V_x, thus

$$\mu = \frac{V_x S}{HIp\ell},$$

Card 1/2

ACCESSION NR: AP4002547

where H - magnetic field, ρ - resistivity, d - ingot diameter, S - cross-section area, I - current in ma. The experiment was performed with bars 3-25 cm long and 1-2.5 cm in diameter. After Hall emf measurements on the complete specimen were completed several smaller specimens were cut out and the measurements repeated. The results show the possibility of Hall measurements directly on the whole specimen, without any need for cutouts or incisions (which in turn show the expected relationship between p, n and μ). The dislocation distribution shows large dislocation densities at the start of the ingot, close to the nucleus, gradually decreasing toward the end. Orig. art. has: 3 formulas and 3 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UzSSR (Physical-Technical Institute AN UzSSR)

SUBMITTED: 30Jul63 DATE ACQ: 07Jan64 ENCL: 00

SUB CODE: PH NO REF SOV: 001 OTHER: 002

Card 2/2

ACCESSION NR: AP4044797 S/0166/64/000/003/0074/0075

AUTHOR: Lyutovich, A. S., Sinyukov, V. A., Mamanov, O. A., Suvorov, A. N., Gudoshnikov, A. V.

TITLE: Controlling the quality of polycrystalline silicon by measuring its electrophysical parameters

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 3, 1964, 74-75

TOPIC TAGS: polycrystal, monocrystal, electrophysical parameter, conductivity, charge carrier, resistivity, silicon, polycrystalline silicon

ABSTRACT: The paper describes the quality control of polycrystalline silicon by measurement of electrophysical parameters such as the type of conductivity, specific resistance, concentration of charge carriers and their mobility. The method described for polycrystals is, in principle, the same as the analogous control technique for monocrystals. Studies have shown, however, that the specific resistance of polycrystals should be measured at higher current densities than with monocrystals. Figure 1 in the Enclosure shows some of the experimental results. Orig. art. has: 2 figures.

Card 1/3

ACCESSION NR: AP4044797

ASSOCIATION: Fiziko-tekhnicheskiy Institut AN UzSSR(Institute of Physics and Technology, AN Uz SSR)

SUBMITTED: 04Dec63 ENCL: 01

SUB CODE: IC NO REF SOV: 002 OTHER: 001

Card 2/3

LYUTOVICH, A.S.; SINYUKOV, V.A.; MAMANOV, O.A.; SOVOROV, A.N.; GUBOSHNIKOV, A.V.

Measuring the specific resistance of high-resistance silicon. Dokl. AN Uz.SSR. 21 no.3:14-17 '64. (MIRA 17:4)

1. Fiziko-tekhnicheskiy institut AN UzSSR. Submitted July 31, 1963.

GUDOSHNIKOV, F. F., Cand Med Sci -- (diss) "Morbidity of medical workers and their dispensary treatment. (From experience in the study of this problem in the city of Sverdlovsk)." Tomsk, 1960. 18 pp; (Ministry of Public Health RSFSR, Tomsk State Medical Inst); 200 copies; price not given; (KL, 51-60, 120)

GUDOSHNIKOV, F.F., kand.med. nauk (Sverdlovsk)

Dispensary services for the population. Sov. zdrav.22 no.6: 13-16'63. (MIRA 16:9)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny (zav. - dostent N.M.Mamzina) Sverdlovskogo meditsinskogo instituta.

(HOSPITALS--OUTPATIENT SERVICE)

GUDOSHNIKOV, I.

Academic work of economic departments of the Voronezh Agricultural Institute. Vop. ekon. no.7:172-173 Jl '58. (MIRA 11:8)
(Voronezh Province--Agriculture--Economic aspects)

GUDOSHNIKOV, S.V.

Park of the Tomsk State University. Biul.Sib.bot.sada no.5:60-61 '58. (MIRA 12:11)

1. Sibirskiy botanicheskiy sad pri Tomskom gosuniversitete im. V.V. Kuybysheva.

(Tomsk--Parks)

GUDOSHNIKOV, S.V.

Replenishing the collections of greenhouse plants in 1955. Biul. Sib.bot.sada no.5:75-76 '58. (MIRA 12:11)

1. Sibirskiy botanicheskiy sad pri Tomskom gosuniversitete im. V.V. Kuybysheva.

(Tomsk--Greenhouse plants)

GUDOSHNIKOV, S.V.

Our orchids. Biul.Sib.bot.sada no.5:77-78 '58.
(MIRA 12:11)

1. Sibirskiy botanicheskiy sad pri Tomskom gosudarstvennom universitete im V.V. Kuybysheva.
(Tomsk--Orchids)

M

Country : USSR
CATEGORY : CULTIVATED PLANTS; Ornamental.

ABS. JOUR. : RZBiol., No. 1, 1959. No. 1916

AUTHOR : Gudoshnikov, G.V.
INST. : Tomsk Univ. Siberian Botanical Garden
TITLE : Our Orchids

ORIG. PUB. : Byul. Sibirsk. botan. sada (Tomsky un-t), 1958, vyp. 4, 77

ABSTRACT : Orchid collections have filled the hothouses of the Siberian Botanical Garden of Tomsk Univ. in 1953. At present there are about 30 species and hybrid forms of these being cultivated. The most thriving culture has been of Stanhopea tigrina, S. pruriens and Coelogyne Massangeana. Cypripedium and Calanthe-Veitchii blossomed a number of times. Dendrobium and Coelogyne cristata began to flower in 1955, and Oncidium

CARD: 1/2

GUDOSHNIKOV, S.V.

Brief study of the vegetation of the upper Amyl Valley in the Krasnoyarsk Territory. Izv. Tomsk. otd. VBO 4:51-58 '59.
(MIRA 14:6)

1. Sibirskiy botanicheskiy sad pri Tomskom gosudarstvennom universitete imeni V. V. Kuybysheva.
(Amyl Valley--Botany)

GUDOSHNIKOV, S.V.

Metasequoia in Western Siberia. Biul. Glav. bot. sada no.34:35-36 '59. (MIRA 13:3)

1. Sibirskiy botanicheskiy sad pri Tomskom gosudarstvennom universitete im. V.V. Kuybysheva.
(Tomsk--Metasequoia)

GUDOSHNIKOV, S.V.

University park in Tomsk; history, present condition and plans for its improvement. Trudy TSSBS no.3:113-119 '60. (MIRA 15:3)
(Tomsk--Parks)

GUDOSHNIKOV, S.V.

Steppes of the Dzhida River basin of the Buryat A.S.S.R. Trudy BKNII no.4:164-180 '60. (MIRA 15:3)
(Azhida Valley--Steppe flora)

GUDOSHNIKOV, S.V.

Notes on the flora of Tuva. Izv. SO AN SSSR no.4. Ser. biol. med. nauk no.1:72-74'63. (MIRA 16:8)

1. Gerbariy im. P.N.Krylova pri Tomskom gosudarstvennom universitete.

GUDOSHNIKOV, S.V.

"Botanical geography of Siberia." Izv. SO AN SSSR no.4 Ser. biol.-med. nauk no.1:151-152 '64. (MIRA 17:11)

NURITDINOV, I.N.; GUDOSHNIKOV, V.S.; BONDARENKO, M., red.; MEL'NIKOV,A., tekhn. red.

[Sericulture in the Uzbek S.S.R.]Shelkovodstvo v Uzbekskoi SSR. Tashkent, Gosizdat UzSSR, 1958. 37 p. (MIRA 16:1)
(Uzbekistan—Sericulture)

GUDOSHNIKOVA, V. S.

The physicochemical characteristics of volatile oils of some Siberian tansies. I. S. Korpenko, A. N. Pakhomova, and V. S. Gudoshnikova. *Novye Lekarstv. Rasteniya Sibiri, ikh Lechebnye Preparaty i Primenenie* (Tomsk) 4, 124–7 (1953); *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 12575. —Four varieties of *Tanacetum vulgare* growing in Siberia were studied. The max. content of volatile oil was found during blooming. The max. ketone content in the oil of the flowers was 61.1% and in the oil of leaves 59.5%. Under unfavorable conditions (not specified) the ketone content of the volatile oils may vanish completely.

B. S. Levine

MD

(2)

GUDOTSOV, N. T.

"Alloys of Titanium With Tungsten and Aluminum," by N. T. Gudotsov and I. P. Panchenko, Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, No 2, Feb 57, pp 139-143

An investigation of the hardness, endurance, and heat-resistence of alloys of titanium with 3 percent aluminum and 5, 10, and 15 percent tungsten revealed the expediency of alloying titanium with both aluminum and tungsten; these alloys are strengthened at 400-600 degrees [centigrade], as a result of which the hardness at room temperature is increased to 44, 82, and 85-117 Vickers units for the corresponding percentages; hardness and endurance increase with increased tungsten content. (U)

54M/1374

GUDOV, V.F.

Technic in mechanical application of a vascular suture. Khirurgiia, Moskva No.12:58-60 Dec 50. (CLML 20:5)

GUDOV, V.F., inzh.; GARVEY, N.N., red.; VOLKOVA, Ye., tekhn.red.

[New method of joining blood vessels] Novyi sposob soedineniia krovenosnykh sosudov. Izd.2. Moskva, Gos.izd-vo med.lit-ry, 1951. 29 p. (MIRA 12:12)
(BLOOD VESSELS--SURGERY)

OGNEV, B.V.; GUDOV, V.F.; METAL'NIKOVA, N.N.

On nerve prosthesis. Eksper. khir. 5 no.6:56-59 N-D '60.
(MIRA 14:2)

(SCIATIC NERVE—SURGERY) (PROSTHESIS)

OGNEV, B. (Moskva); GUDOV, V. [Hudov, V.], kand.tekhn.nauk (Moskva)

Metal conductor instead of a nerve. Nauka i zhyttia 12 no.6:36 Je '62. (MIRA 15:7)

1. Chlen-korrespondent AMN SSSR (for Ognev)
(NERVOUS SYSTEM--SURGERY)

PETROV, K.M.; DYAKONOV, V.I.; FADEYEV, I.G.; SEMENENKO, P.P.; KRYUKOV, L.G.; Prinimali uchastiye: PASTUKHOV, A.I.; SHISHKINA, N.I.; PAZDNIKOVA, T.S.; CHIRKOVA, S.N.; KAREL'SKAYA, T.A.,; LOPTEV, A.A.; DZEMYAN, S.K.; ISUPOV, V.F.; BELYAKOV, A.I.; GUDOV, V.I.; SUKHMAN, L.Ya.; SLESAREV, S.G.; GOLOVANOV, M.M.; GLAGOLENKO, V.V.; ISUPOVA, T.A.; ZYABLITSEVA, M.A.; KAMENSKAYA, G.A.; POMUKHIN, M.G.; UTKINA, V.A.; MANEVICH, L.G.

Vacuum treatment of alloyed open hearth steel. Stal' 22 no.2:113-117 F '62. (MIRA 15:2)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Pastukhov, Shishkina, Pazdnikova, Chirkova, Karel'skaya, Loptev, Dzemyan). 2. Metallurgicheskiy kombinat im. A.K. Serova (for Isupov, Belyakov, Gudov, Sukhman, Slesarev, Golovanov, Glagolenko, Isupova, Zyablitseva, Kamenskaya). 3. 6-y Gosudarstvennyy podshipnikovyy zavod (for Pomukhin, Utkina, Manevich).
(Steel—Metallurgy)
(Vacuum metallurgy)

FILATOV, V.P.; SEMENENKO, P.P.; BARYSHNIKOV, G.I.; GUDOV, V.I.

Rammed open-hearth furnace bottom. Metallurg 7 no.5:16-18 My '62. (MIRA 15:5)

1. Metallurgicheskiy kombinat imeni A.K. Serova.
(Open-hearth furnaces—Maintenance and repair)

FILATOV, V.P.; SEMENENKO, P.P.; BARYSHNIKOV, G.I.; GUDOV, V.I.

Fritting new bottoms in open-hearth furnaces. Metallurg 7 no.8:14-16 Ag '62. (MIRA 15:9)
(Open-hearth furnaces—Maintenance and repair)

FILATOV, V.P.; SEMENENKO, P.P.; BARYSHNIKOV, G.I.; GUDOV, V.I.

Repair of basic open-hearth furnace hearth bottoms by fine-grained refractory powders. Metallurg 7 no.12:11-13 D '62. (MIRA 15:12)

1. Metallurgicheskiy kombinat im. A.K.Serova.
(Open-hearth furances—Maintenance and repair)
(Refractory materials)

SEMENENKO, P.; GUDOV, V.; SUKHMAN, L.; FADEYEV, I.; KOCHO, V., doktor tekhn.nauk

"Steel pourer" by D.A.Smoliarenko. Reviewed by P.Semenenko and others. Metallurg 8 no.1:39-40 Ja '63. (MIRA 16:1)
(Steel ingots)
(Smoliarenko, D.A.)

BARYSHNIKOV, G.I.; FREYDENBERG, A.S.; GUDOV, V.I.

Rapid reconditioning of an open-hearth furnace hearth.
Metallurg 10 no.5:17-19 My '65. (MIRA 18:6)

SEMENENKO, P.P.; BARYSHNIKOV, G.I.; FILATOV, V.P.; BAS'YAS, I.P.; FREYDENBERG, A.S.; GUDOV, V.I.; TARNOVSKIY, G.A.

Ramming the upper working layer of open-hearth furnace hearths. Metallurg 10 no.4:14 Ap '65. (MIRA 18:7)

L 44420-66 EWT(m)

ACC NR: AP6023080 (AN) SOURCE CODE: UR/0367/66/003/004/0609/0613

AUTHOR: Belyayev, B. N.; Gvozdev, B. A.; Gudov V. I.; Kalyamin, A. F; Krizhanskiy, L. M.

ORG: none

TITLE: Investigation of the gamma spectrum of Br^{74} isotopes

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 609-613

TOPIC TAGS: gamma spectrum, bromine isotope, scintillation spectometer, nuclear energy level, radiation intensity, cyclotron

ABSTRACT: The gamma spectra of Br isotopes, obtained in the reaction of $Cu(C^{12}, xn)Br$, have been investigated with the aid of a scintillation spectometer. Energies and relative intensities have been measured for a number of new γ-lines in bromine with the decay half-times 36 ±1 and 4 ±1 min. The energies and relative intensities are given for γ-lines with $T_{1/2}$ = 36 min. The isotope with $T_{1/2}$ = 36 ±1 min was identified as Br^{74}. A diagram of the lower energy levels in Se^{74} is given in the original article. The authors thank G. N. Flerov for his

Card 1/2

L 44428-66

ACC NR: AP6023080

valuable discussions and support of this study, and B. A. Zager and his assistants for maintaining reliable operation of the cyclotron during irradiation. Orig. art. has: 2 figures and 1 table. [Based on authors' abstract] [NT]

SUB CODE: 18/ SUBM DATE: 10Jul65/ ORIG REF: 003/ OTH REF: 010

Card 2/2

Gudova, K.A.

24(1) P3 PHASE I BOOK EXPLOITATION SOV/3150

Vserossiyskaya konferentsiya professorov i prepodavateley pedagogicheskikh institutov

Primeneniye ul'traakustiki k issledovaniyu veshchestva; trudy konferentsii, Vyp. 7 (Application of Ultrasonics for Analysis of Substances; Transactions of the All-Russian Conference of Professors and Teachers of Pedagogical Institutes, Nr 7) Moscow, Izd. MOPI, 1958. 283 p. 1,500 copies printed.

Tech. Ed.: S. P. Zhitov; Eds.: V. F. Nozdrev, Professor, and B. B. Kudryavtsev.

PURPOSE: This book is intended for physicists, technicians, aeronautical engineers and other persons concerned with ultrasonics.

COVERAGE: The book contains twenty eight articles which treat ultrasonic phenomena in five general categories: 1) historical data on the development of ultrasonics in the Soviet Union over the past forty years; 2) the speed of sound in suspensions of varying concentration and number and type of components and the relationship between sound velocity and the compressibility of electrolytes;

Card 1/7

3) ultrasonic investigations of physical and chemical properties of materials and the determination of physical and chemical constants, e. g. density of aqueous solutions, adiabatic compressibility, molarity of solutions (with given temperatures), viscosity, surface tension, saturation pressure and also ultrasonic investigation of the carbon content and petrographic state of coal; 4) industrial applications of ultrasonics, e. g. emulsification of reagents, cleansing of textile fibers and enhancing the sucseptibility of some synthetic fibers to dyeing, etc.; and 5) apparatus which produce ultrasonic waves. No personalities are mentioned. References accompany each article.

TABLE OF CONTENTS:

Application of Ultrasonics (Cont.) SOV/3150

AVAILABLE: Library of Congress (QC 244.V82)

Card 7/7

TM/os
2/16/60

AUTHORS: Godnev, I. N., Gudova, N. A. SOV/76-32-7-0 [illegible]

TITLE: A Contribution to the Theory of the Heat Capacity of a Poly-atomic Non-Associated Liquid (K teorii teployemkosti mnogo-atomnoy neassotsiirovannoy zhidkosti)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol. 32, Nr 7, pp. 1586-1590 (USSR)

ABSTRACT: Continuing a previous paper in which the equation for C_v had been obtained, which, however, at medium temperatures represents the upper limit of C_v (see the diagrams according to Staveley (Ref 16)) and thus, might supply too high results, a precision of this equation is carried out in the present paper. Under the assumption of the energy being a quadratic function it is assumed that the potential energy of the rotational and translational motion $s = 3N_o + 3N_o\xi$ contains quadratic terms, ξ changing within the interval 0 to 1, and the kinetic energy $t = 6N_o$ containing quadratic terms. $\xi = 0$ corresponds to free rotation and $\xi = 1$ to the complete hindrance. Based on the generalized theorem on the equal distribution of energy under the assumption that with

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the temperature ξ does not considerably change, the equation is given the form $C_v = 4,5R + 1,5R\xi + C_{osc.}$ The value $C_{osc.}$ is calculated according to the known formula by Einstein (Refs 28, 29). The magnitude ξ may, according to the papers by Pitzer (Ref 23), Hildebrand (Ref 24) and Halford (Ref 25), as well as by Staveley (Ref 26) and Bondi (Ref 27), be calculated by way of the evaporation entropy. A diagram for CCl_4, $CHCl_3$ and C_6H_6 is given with the data supplied by B. I. Stepanov (Ref 37), as well as Pitzer and Scott (Ref 38) being used for the calculation of the value of ξ. Also calcualtions by the example of other hydrocarbons were carried out and it was found that the data supplied by V. Ya. Kurbatov (Ref 33) do by far not agree with the C_p values obtained by Rossini (Ref 44) and Riedel (Ref 4o). There are 1 figure, 4 tables, and 44 references, 15 of which are Soviet.

A Contribution to the Theory of the Heat Capacity of a Polyatomic Non-Associated Liquid SOV/76-32-7-20/45

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskiy institut (Ivanovo Chemical and Technological Institute)

SUBMITTED: March 12, 1957

1. Liquids—Thermodynamic properties 2. Liquids—Theory
3. Mathematics

Card 3/3

GUDOVICH, A.

Radio communication in reclamation of new and idle lands.
Radio no.4:3 Ap '55. (MLRA 8:6)

1. Nachal'nik radiosvyazi upravleniya sel'skogo khozyaystva Altayskogo kraya.
(Radio)

GUDOVICH, G.A., inzhener; ZVEREV, V.A., inzhener; OSIPOV, A.M., inzhener.

Automatic reclosing diagrams for switches of remote controlled units. Elek.sta. 25 no.2:51-52 F '54. (MLRA 7:2)
(Electric switchgear)

L 23263-66 FBD/EWT(1)/EWT(m)/EEC(k)-2/T/EWP(t)/EWP(k)/EWA(h) IJP(c) WG/JD

ACC NR: AP6011569 SOURCE CODE: UR/0051/66/020/003/0501/0503

AUTHOR: Lebedeva, V. V.; Odintsov, A. I.; Lebedev, I. V.; Andriyakhin, V. M.; Gudovich, E. S.; Ponomareva, I. P.

ORG: none

TITLE: An He—Ne laser amplifier with feedback

SOURCE: Optika i spektroskopiya, v. 20, no. 3, 1966, 501-503

TOPIC TAGS: laser system, gas laser, helium neon laser, laser amplifier, feedback laser

ABSTRACT: An He—Ne laser amplifier with feedback (at $\lambda = 0.633$ μ) is described and illustrated (see Fig. 1). Master oscillator 1 and amplifier 2 are placed parallel to

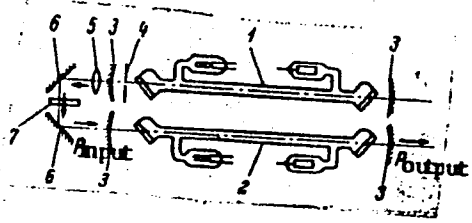

Fig. 1. Schematic of the device

1 - Master oscillator; 2 - amplifier; 3 - resonator mirror, radius of curvature 1160 mm; 4 - diaphragm for separating TEM_{00} modes; 5 - coincidence lens; 6 - rotating mirrors; 7 - light filter.

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UDC: 621.375.9:535

L 23268-66

ACC NR: AP6011569

each other on a heavy bench. Radiation from 1 is attenuated by neutral filters by 10^4 or 10^3 times to provide a bypass from 1 to 2 and to avoid amplifier saturation. Lens 5 is used to produce coincidence of the wavefront, incident on 2, with the input mirror surface. The ratio of partial pressures of He and Ne in the amplifier is 17:1, resulting in a weak dependence of gain and activity of the medium on variations in the discharge current. The maximum gain of the system, measured in terms of the magnitude of the output signal from the amplifier when the oscillator frequency and the center of the amplifier passband are coincident, is 1000 (30 db). The misalignment of the amplifier axis with the direction of the incident wave, which affects gain, was not more than 3 sec of arc. The values of gain observed experimentally (mirrors: 99 and 98% reflective) and theoretically (mirrors: ideal dielectric) are in good agreement. Orig. art. has: 1 formula and 3 figures. [YK]

SUB CODE: 20/ SUBM DATE: 06Jul65/ ORIG REF: 003/ OTH REF: 003/ ATD PRESS: 4230

Card 2/2 UDC

Subject : USSR/Electricity AID P - 1393

Card 1/1 Pub. 26 - 20/30

Author : Gudovich, G. A., Eng.

Title : Connection diagram of automatic reserve transformers of a telecontrolled substation.

Periodical : Elek. Sta., 2, 54-55, F 1955

Abstract : The author describes details of operation of an improved diagram for the automatic throwing-on of reserve transformers in step-down substations of a high-voltage network in one of the power systems. In each of the substations are located two 35/6 - kv power transformers of 1000 and 3200 kva. 1 diagram.

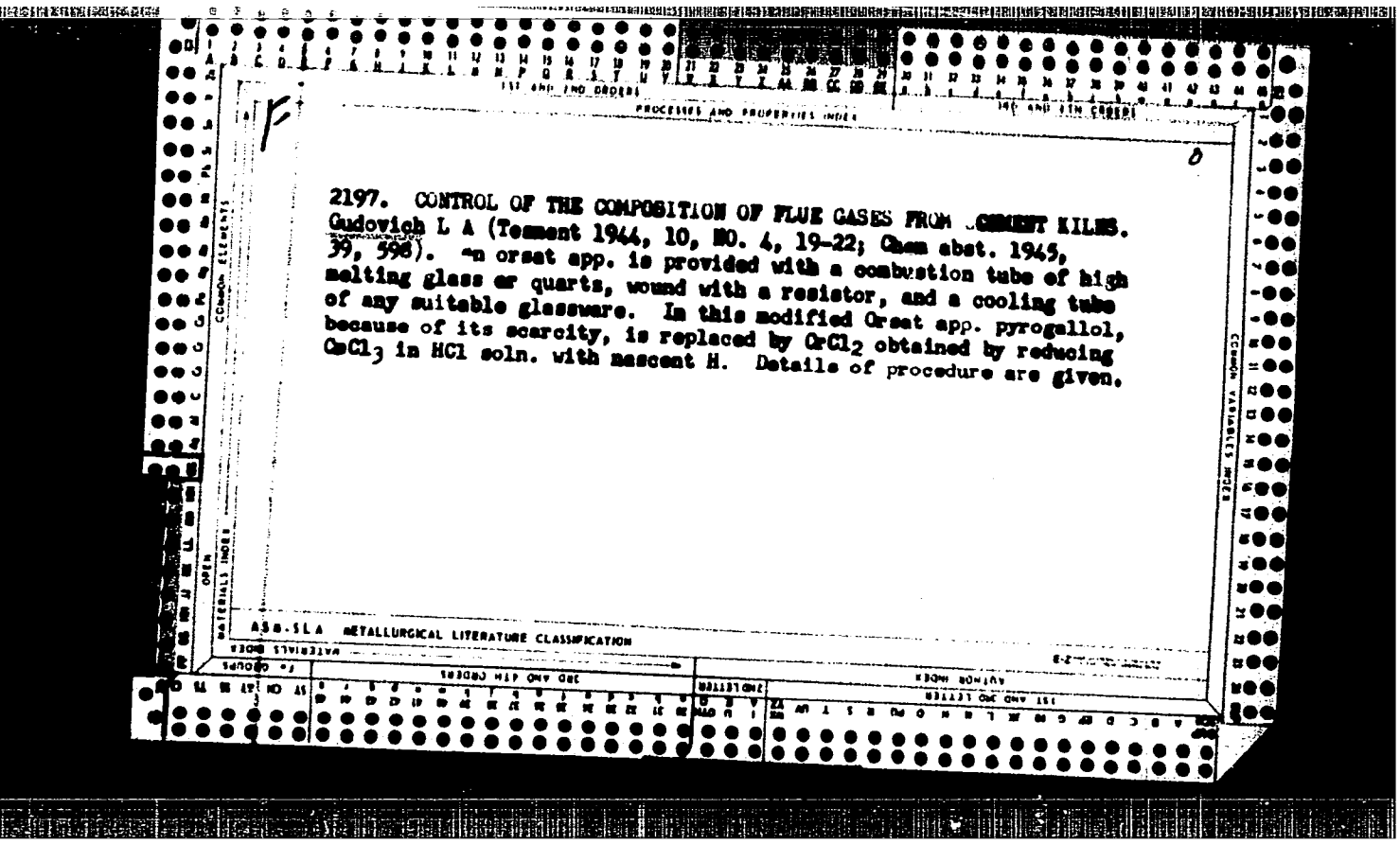
Institution: None

Submitted : No date

YASHUNSKIY, E.G., inzh.; GUDOVICH, G.A., inzh.; AFANAS'YEV, P.K., inzh.

Cable lines with 220 kv. rating of the Bratsk Hydroelectric Power Station. Elek. stat. 35 no.1:58-61 Ja '64.

(MIRA 17:6)



2197. CONTROL OF THE COMPOSITION OF FLUE GASES FROM CEMENT KILNS. Gudovich L A (Tsement 1944, 10, NO. 4, 19-22; Chem abst. 1945, 39, 598). An orsat app. is provided with a combustion tube of high melting glass or quarts, wound with a resistor, and a cooling tube of any suitable glassware. In this modified Orsat app. pyrogallol, because of its scarcity, is replaced by $CrCl_2$ obtained by reducing $CrCl_3$ in HCl soln. with nascent H. Details of procedure are given.

A58-SLA METALLURGICAL LITERATURE CLASSIFICATION

GIDOVICH, L.A., kandidat tekhnicheskikh nauk.

Determining the optimum and maximum sulfuric anhydride content in portland cement. Trudy GIPROTSEMENT 13:49-109 '50. (MLRA 10:4)
(Cement)

GUDOVICH, L.A.; POROTSKIY, Ye.M.

Studying the properties of limestone-diatomaceous cement made with unslaked lime. Soob.Sakhal.kompl.nauch.-issl.inst.AN SSSR. no.2: 62-78 '55. (MIRA 14:4)

(Cement)

USSR/Chemical Technology - Chemical Products and Their Applications - Silicates. Glass. Ceramics. Binders. I-10

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 9055

Author : Gudovich, L.A., and Porotskiy, Ye.M.
Inst : Sakhalin Branch of the Academy of Sciences USSR

Title : Investigation of the Properties of Limeston-Diatomite Cement Prepared from Quicklime.

Orig Pub : Soobshch. Sakhalinsk. fil. AN SSSR, 1955, No 2, 62-78

Abstract : Physicochemical and acoustic investigations and mechanical tests on the properties of Limestone-diatomite cement (LDC) have shown that the utilization of quicklime in the formulation of the cement leads to a considerable decrease in the setting time and

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USSR/Chemical Technology - Chemical Products and Their Applications - Silicates. Glass. Ceramics. Binders. I-10

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 9055

has an accelerating effect on the hardness of the cement compared to formulations in which limestone and pumice are used. The addition of alcoholic sulfite liquor (ASL) and of gypsum separately or, particularly, together considerably reduces the rate of hydration of the lime in the LDC. Gypsum and particularly ASL thin the cement paste and retard its setting, increasing the length of time during which the paste remains in a fluid state. The addition of gypsum markedly increases the compression strength of LDC as well as its modulus of rupture and its modulus of elasticity, especially during the initial hardening period;

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USSR/Chemical Technology - Chemical Products and Their Applications - Silicates. Glass. Ceramics. Binders. I-10

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 9055

the addition of ASL reduces the strength of the cement in the early hardening period and also reduces its modulus of elasticity. The hydration of the lime in the solution proceeds considerably faster than in the paste. The main mass of the lime is hydrated at the end of the first seven days of hardening; after 28 days the process is almost fully completed. The strength of the LDC increases as the degree of hydration of the lime increases.

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GUDOVICH, L.A.; POROTSKIY, Ye.M.

Some data on the mechanical strength of superfinely ground binding materials. Soob. Sakhal. kompl. nauch-issl. inst. AN SSSR no.4:74-78 '56. (MIRA 11:5)
(Sakhalin--Adhesives)

TENNER, D.D., kand. geol.-miner. nauk, otv. red.; LUBOVICH, L.A., kand. tekhn. nauk, red.; ROSSINSKIY, Ye.Ye., kand. tekhn. nauk, red.

[Metallurgical slags of Monche and Pechenga; complete investigation of a new mineral raw material] Metallurgicheskie shlaki Monchi i Pechengi; kompleksnye issledovaniia novogo mineral'nogo syr'ia. Moskva, Nauka, 1965. 202 p. (MIRA 18:3)

1. Akademiya nauk SSSR. Kol'skiy filial, Kirovsk.

[illegible], L.V.

LUBOVICH, L.V. -- "Investigation of Lead Pyrophosphate Electrolytes."
Min Higher Education USSR. Kiev Order of Lenin Polytechnic Inst.
Chair of Physical and Colloid Chemistry. Kiev, 1956
(Dissertation for the Degree of Candidate in Chemical Sciences).

SO: Knizhnaya Letopis', No 9, 1956

5(1,2)
SOV/153-2-4-17/32

AUTHORS: Kudra, O. K., Gudovich, N. V.

TITLE: On the Mechanism of the Electroreduction of Lead in Pyrophosphate Electrolytes

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 4, pp 598 - 561 (USSR)

ABSTRACT: It has been found recently that a certain quantity of anions can be adsorbed on the electrode according to the surface charge sign; later on they are either discharged or repelled. These phenomena are expressed in electrolysis by characteristic polarization curves with decreasing or increasing amperage (Refs 1-7). The investigation of complex electrolytes is interesting from a theoretical point of view if they contain an electroseparating metal among the anions. Cyanogen baths frequently used in electroplating belong to these electrolytes. It can be assumed that the electrocrystallization process in these baths is connected with the immediate metal separation from the anions. The electrolytes mentioned in the title are, in a certain degree, analogous to the cyanogen baths. Above all, diluted solutions were investigated by the authors because T. A. Kryukova (Ref 8) found

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that the specific effect of the anions is more distinct in such solutions. Figure 1 shows polarization curves in solutions with various ratios of pyrophosphate and lead nitrate. The initial concentration was $K_4P_2O_7$ 0.05 m and $Pb(NO_3)_2$ 0.03 m. It can be seen from these data that the amperage decreases rapidly if a potential of 0.600 - 0. 615 v is reached. Then the curves pass a minimum and increase again later on. Thus, specific current minima are observed in small electrolyte concentrations on the $i - \varphi$ curves in the lead reduction from the pyrophosphate complex $[Pb(P_2O_7)_2]^{6-}$. The current decrease occurs near the zero charge of lead. Peptone considerably retards the lead reduction. With a certain concentration (Fig 4) the minimum and maximum on the polarization curve are thereby neutralized. This is explained by the formation of a continuous adsorption film of peptone. The presence of foreign cations facilitates the electroreduction of lead from the complex anion mentioned, anions retard it. Cations shift the zero-charge potential in positive direction, whereas anions shift it in negative direction. There are 4 figures and 9 Soviet references.