S/081/61/000/021/064/094
B138/B101

AUTHORS: Ognev, R. K., Cheremonov, B. I.

TITLE: Use of Irkutsk coals for coking

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 397, abstract 21M37 (Sb."Podgotovka i koksovaniye ugley, Sverdlovsk, Metallurgizdat, no. 2, 1960, 77-89)

TEXT: The authors observe that the present process employed for the coking of local Irkutsk coals without adding other coals does not permit the organization of metallurgical coke production. They present the results of a systematic investigation of the coals of three of the deposits in the coalfield. Cheremkhovo coals can only be used, in quantities of the order of 30 - 35% of the charge, if the charge is rammed. With the addition of fat coals, Cheremkhovo coals can be used for the production of non-metallurgical coke in quantities of about 80%. If Novometelkina coals are used for the production of metallurgical coke, the amount of local coals in the charge can be brought up to 60%. For

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Use of Irkutsk coals for coking

the production of nonmetallurgical coke this figure is between 85 and 90%. Karmagay coals are interesting from the point of view of coking, as they combine high caking properties with low S content. [Abstracter's note: Complete translation.]

Card 2/2

SELIVANOV, Igor' Nikolayevich; CHEREMOVSKIY, I.K.

[Every worker should know economics] Ekonomicheskie znaniia kazhdomu rabochemu. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1964. 49 p. (MIRA 18:1)

CHERNOVSKIY, Yu.I., inzhener.

The "Stalinets-80" tractor. Vest.mash.27 no.2:22-23 '47.
(Tractors) (MLRA 9:4)

CHEREMOVSKIY, YU I

Traktor S-80. Moskva, Mashgiz, 1950-

v. illus., diagrs., tables.

Lib. has: 1950
1952
1954

CHERMOVSKIY, Yu.I.

[The S-80 tractor] Traktor S-80. Izd. 3-e, dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. 382 p. (MLRA 7:3)
(Tractors)

CHEREMOVSKIY, YU. I.

Pamiatka traktorista [Booklet for the tractor operator]. Sverdlovsk, Mashgiz, 1952. 256 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 2, May 1953

CHERNOVSKIY, Yu.I., inzhener

Production processes are widely mechanized in the Chelyabinsk Tractor Factory. Mekh.trud.rab. 7 no.6:43-45 Je '53. (MLRA 6:6)
(Tractors)

ZAYCHENKO, G.V.; CHERNOVSKIY, Yu.I.

Twentieth anniversary of the Chelyabinsk Tractor Plant. Vest.mash. 33 no.7: 97-99 Jl '53. (MLRA 6:8)
(Chelyabinsk--Tractor industry) (Tractor industry--Chelyabinsk)

CHERNOMORSKIY, Yu. I.; BUZULUKOV, P.A., kandidat tekhnicheskikh nauk, retsenzent; KHARITONCHIK, Ye.M., professor, retsenzent; NAPALKOV, G.I. inzhener, retsenzent; KUZ'MOV, N.T., inzhener, redaktor; DUGINA, N.A., tekhnicheskiy redaktor

[An aid to tractor drivers; use of tractors in agricultural operations] V pomoshch' traktoristu; ispol'zovanie traktorov na s.-kh. rabotakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 327 p. [Microfilm] (MLRA 8:3)
(Tractors)

CHERNOVSKIY, YU. T.

5805. Traktor S-80. Ustroystvo i ekspluatatsiya. 4-ye pererabot. izd. Moskva-Sverd-lovsk, mashgiz, (Uralo-Sib. otd-niye), 1954. 400s. s ill. 23sm. 100.000 ekz. (i-y zavod 1-25 tys.) 10r 50k. vper-(55-924) 629.114.2

SO: Knizhnaya, Letopis', Vol. 1, 1955

CHERNOVSKIY, Yu.I.

BEREZKIN, P.N., inzh.; BONDIN, Ye.A., inzh.; GRIGOROV, G.Ya., inzh.; DURNOVSKIY, V.I., inzh.; KOZHEUROV, P.I., inzh.; MARTOV, Ya.G., inzh.; RAZSHIGAYEV, A.F., inzh.; RAYEVSKIY, S.A., inzh.; SAPOZHNIKOV, N.S., inzh.; TELIPAN, M.G., inzh.; CHERNOVSKIY, Yu.I., inzh.; CHERNOV, D.A., inzh.; DUGINA, N.A., tekhn.red.

[ChTZ tractors] Traktory ChTZ. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 101 p. (MIRA 11:5)
(Tractors)

CHERNOVSKIY, Yu.I.

ANDRYUSHCHENKO, Yu.S.; BAGIN, Yu.I.; BASHKIRTSEV, A.A.; BELEN'KOV, G.Ye.; BELINICHER, I.Sh.; BUSHUYEV, N.M.; VAGANOV, A.K.; GASHEV, A.M.; YES'KOV, K.A.; ZGIRSKIY, Ch.I.; IGNAT'YEV, M.I.; KORUSHKIN, Ye.N.; KUZ'MOV, N.T.; PATSKEVICH, I.R.; PICHAK, F.I.; RAYTSES, V.B.; RUDAKOV, A.S.; SAPRYKIN, V.M., SIDOROV, F.F.; UMINSKIY, Ye.A.; KHANZHIN, P.K.; CHERNOVSKIY, Yu.I.; YERAKHTIN, D.D., kand.tekhn.nauk; retsenzent; MAKAROV, M.P., insh., retsenzent; TORBEYEV, Z.S., kand. tekhn.nauk, retsenzent; POLKANOV, I.P., kand.tekhn.nauk, retsenzent; IGNAT'YEV, M.G., agronom, retsenzent; GUTMAN, I.M., inzhener, retsenzent; SARAFANNIKOVA, G.A., tekhn.red.; YERMAKOV, N.P., tekhn.red.

[Manual for agricultural mechanizers] Spravochnik mekhanizatora sel'skogo khoziaistva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Pt.1. [Tractors and automobiles, agricultural machinery and implements, and operation of machine and tractor yards] Traktory i avtomobili, sel'skokhoziaistvennye mashiny i orudiia, ekspluatatsiia mashinno-traktornogo parka. Pod. red.N.M.Bushueva. 1957. 462 p. (MIRA 10:12)

(Machine-tractor stations)

CHERNOVSKIY, Yuriy Ivanovich; LAPTEV, Yuriy Viktorovich; SVET, Ye.B., redaktor; VIGOLOVA, M.A., tekhnicheskiy redaktor

[Motorcyclist's manual] V pomoshch' mototsiklistu. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1957. 171 p. (MIRA 10:9)
(Motorcycles)

ANDRYUSHCHENKO, Yu.S., BAGIN, Yu.I., BASHKIRTSEV, A.A., BELEN'KOV, G.Ye., BELINICHER, I.Sh., BUSHUYEV, N.M., VAGANOV, A.K., GASHEV, A.M., YMS'KOV, K.A., ZGIRSKIY, Ch.I., IGNAT'YEV, M.I., KORUSHKIN, Ye.N., KUZ'MOV, N.T., PATSKEVICH, I.P., PICHAK, F.I., RAYTSES, V.B., RUDAKOV, A.S., SAPRYKIN, V.M., SIDOROV, F.F., UMINSKIY, Ye.A., KHANZHIN, P.K., CHEREMOVSKIY, Yu.I., BUSHUYEV, N.M., kand.tekhn. nauk, red.; DUGINA, N.A., tekhn.red.

[Manual for agricultural machinery operators] Pt. 3. Stationary internal combustion engines, steam engines and windmills. Rural electrification. Mechanization of production in animal husbandry. Spravochnik mekhanizatora sel'skogo khoziaistva. Pt. 3. Statsionarnye dvigateli vnutrennego sgoraniia, lokomobili i vetrodvigateli. Elektrifikatsia sel'skogo khoziaistva. Mekhanizatsiia proizvodstvennykh protsessov v zhivotnovodstve. Pod red. N.M. Bushueva. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry. 1957. 200 p. (MIRA 11:8)

(Agricultural machinery)

ANDRYUSHCHENKO, Yu.S.; BAGIN, Yu.I.; BASHKIRTSEV, A.A.; BELEN'KOV, G.Ye.; BELINICHER, I.Sh.; BUSHUYEV, N.M.; VAGANOV, A.K.; GASHEV, A.M.; YES'KOV, K.A.; ZGIRSKIY, Ch.I.; IGANT'YEV, M.I.; KOKUSHKIN, Ye.N.; KUZ'MOV, N.T.; PATSKEVICH, I.R.; PICHAK, F.I.; PAYTSES, V.B.; RUDAKOV, A.S.; SAPRYKIN, V.M.; SIDOROV, F.F.; UMINSKIY, Ye.A.; KHAMZHIN, P.K.; CHERNOVSKIY, Yu.I.; YERAKHTIN, D.D., kand. tekhn. nauk, retsenzent; MAKAROV, M.P., inzh., retsenzent; TORBEYEV, Z.S., kand. tekhn. nauk, retsenzent; POLKANOV, I.P., kand. tekhn. nauk, retsenzent; IGNAT'YEV, M.G., agronom, retsenzent; GUTMAN, I.M., inzh., retsenzent; YERMAKOV, N.P., tekhn. red.; SARAFANNIKOVA, G.A., tekhn. red.

[Reference manual for the agricultural machine operator] Spravochnik mekhanizatora sel'skogo khoziaistva. Pt.2. [Repair of tractors and agricultural machinery] Remont traktorov i sel'skokhoziaistvennykh mashin. Pod red. N.M. Bushueva. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. 1957. 335 p. (MIRA 11:9)
(Agricultural machinery—Maintenance and repair)

AUTHOR: Cheremovskiy, Yu. I. SOV/32-24-7-64/65

TITLE: Conference of Research Workers from Central Laboratories of Establishments in the Chelyabinsk Economic Region (Soveshchaniye rabotnikov tsentral'nykh laboratoriy predpriyatiy Chelyabinskogo ekonomicheskogo rayona)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 7, pp. 909 - 910 (USSR)

ABSTRACT: From April 8 to 10, 1958 the above mentioned conference took place at Chelyabinsk with about 300 laborers attending. The contributions of the committees of the works laboratories on the work in the laboratories as well as on the most effective types of investigation were heard. The committee of the technical board of administration of the Chelyabinsk Sovnarkhoz, A. T. Larin, among others, pointed out that parallel research work should not occur as was, for instance, the case at the TsZL of the Chelyabinsk work imeni Kolyushchenko; this could be avoided by a better collaboration as may be seen at other works. Some laboratories were mentioned that do not have enough diploma engineers and technicians. The committee of the TsZL of the

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Conference of Research Workers from Central Laboratories of Establishments in the Chelyabinsk Economic Region

Magnitogorsk Metallurgical Combine, Agapov, pointed out some improvements as, for instance, the charging of the coke furnaces, the improvement of the surface in steel casting, etc. Keys, President of the TsZL of the Chelyabinsk Metallurgical Works, mentioned the lubrication in the casting of stainless steel Kh18N9T for the improvement of the surface, while other presidents of the TsZL mentioned the extension of the control and investigation work as well as the elaboration of new methods. The President of the TsZL of the Tractor Factory, Gol'dshteyn, the President of the TsZL of the Tube Rolling Mill, Suvorov, the Vice-President of the TsZL of the Tractor Factory, Lenkov the President of the Scientific Research Laboratory of the Asha Wood-Chemical Combine, Chetverikov, and others submitted concrete proposals. Some suggestions were made and questions were asked with further contributions of the staff of various works being heard, among others by Gulyanitskiy (Laboratory of the Chelyabinsk Tractor Factory), as well as informations and suggestions made by the President of the Chelyabinsk Council of National Economy, M. S. Solomentsev. In correspondence with

Conference of Research Workers from Central Laboratories of Establishments in the Chelyabinsk Economic Region

the results of the conference some decisions were made concerning measures to be taken for the improvement of scientific work in the laboratories, as well as for an efficient evaluation of the results obtained.

CHERNOVSKIY, Yuriy Ivanovich; SAYAPIN, V.I., kand.tekhn.nauk, retsenzent; [illegible], prof., red.; KUZ'MOV, N.T., inzh., red.; YERMAKOV, N.P., tekhn.red.

[The S-80 and S-100 tractors; working principle and operation] Traktory S-80 i S-100; ustroistvo i ekspluatatsiia. Izd.5., perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 439 p. (MIRA 12:12)
(Tractors)

CHERNOVSKIY, Yuriy Ivanovich; SIDOROV, Fedor Georgiyevich; MIKHEYEV, Nikolay Zakharovich; PICHAK, Fedor Ivanovich, kand.tekhn.nauk; ALEKSEYEV, Georgiy Petrovich; KHARITONCHIK, Ye.M., prof., retsenzent; DUGINA, N.A., tekhn.red.

[Tractor operator's manual] Posobie traktoristu. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 512 p. (MIRA 12:6)

(Tractors)

CHERNOVSKIY, Yuriy Ivanovich; SIDOROV, Fedor Georgiyevich; MIKHEYEV, Nikolay Zakharovich; PICHAK, Fedor Ivanovich; ALEKSEYEV, Georgiy Petrovich; KHARITONCHIK, Ye.M., prof., retsenzent; CHERMENNOV, V.M., inzh., retsenzent; RYABCHENKO, P.G., inzh., retsenzent; KALOSHIN, A.I., inzh., retsenzent; PICHAK, F.I., kand.tekhn.nauk, red.; YERMAKOV, N.P., tekhn.red.

[Manual for tractor drivers] Posobie traktoristu. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 592 p. (MIRA 13:12)

(Tractors)

CHERNOSKIY, A.S., podpolkovnik meditsinskoy sluzhby

Diagnosis of appendicitis. Voen.-med.zhur. no.6:79-80 Je '51.
(APPENDICITIS) (MLRA 9:9)

GERASUN, M., inzh.; CHEREMSKIY, B.

Foundations built of hollow blocks. Stroitel' no.2:8 F '60. (MIRA 13:5)
(Concrete footings)

CHEREMSKOY, S.G.

Accretion of root systems and healing of stumps in dense plantations of the Siberian larch. Agrobiologiia no.3:450-351 My-Je '62. (MIRA 15:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut lesnogo khozyaystva i agrolesomelioratsii, Kharlov.
(CHERNIGOV PROVINCE--LARCH) (ROOTS (BOTANY))

CHEREMUKHIN, A. (Cheboksary)

Strong character. Kryl.rod. 13 no.6:14 Je '62.
(MIRA 19:1)

1. CHEREMUKHIN, A. D.

2. USSR (600)

4. Liver -- Tuberculosis

7. Cavernous tuberculosis of the liver and cancer of the biliary tract. Klin med N_0. 11 1952.

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

CHEREMUKHIN, A.D.

Cauterization of pleural adhesions in noneffective artificial pneumothorax under sanatorium conditions. Probl. tub. 38 no. 5:110-113 '60. (MIRA 14:1)

(PNEUMOTHORAX)

CHEREMUKHIN, A.D.

Autotransfusion of blood entering the extrapleural cavity following extrapleural pneumolysis. Probl.tub. no.6:107-109 '61.
(MIRA 14:9)

1. Iz sanatoriya No.14 "Boldino" (glavnyy vrach N.I. Gusak) Moskovskogo zonal'nogo upravleniya spetsializirovannykh sanatoriyev Ministerstva zdravookhraneniya RSFSR.
(BLOOD—TRANSFUSION) (LUNGS—COLLAPSE)

CHEREMUKHIN, A.D.; KOPEYKO, I.P.; SHAKHNAZAROV, M.S.; GUSAK, N.I.

Preparation of patients for surgical cautery of pleural adhesions in the sanatorium. Sov.med. 25 no.6:130-131 Je '61. (MIRA 15:1)

1. Iz sanatoriya No.14 Ivanovskogo territorial'nogo upravleniya kurortami, sanatoriyami i domami otdykha Ministerstva zdravookhraneniya RSFSR (glavnyy vrach N.I.Gusak).
(PLEURA--SURGERY) (ANESTHESIA)

CHEREMUKHIN, A. M., PROF PA 4/49T39

USSR/Engineering Apr 48
Testing and Standardization
Testing Procedures

"Reply to the Questionnaire," Prof A. M. Cheremukhin, Hon Worker of Sci and Tech, Dr Tech Sci, Leading Factory Designer, Moscow, 3 pp

"Zavod Lab" Vol XIV, No 4

Knowledge of behavior of materials beyond elasticity limit is of special interest to the aircraft engineer, and is also the limit of proportionality in compression and in tension. Quotes cases of brittle fractures of high-tensile steel tubes,

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USSR/Engineering (Contd) Apr 48

angle irons, and bolts. More data on alternating stresses and fatigue is desirable. Testing of parts subjected to heat during manufacture is very important; mentions cracks in and around welding on fabricated stainless steel exhaust manifolds for gas turbines. Research is being carried out with various forms of welding (argon, helium, etc.). Difficulties in stamping sheets are due to insufficient knowledge of processes occuring during stamping, and not to insufficient testing of material.

4/49T39

Cheremukhin, A.M.

KAN, Savelii Nakhimovich; SVERDLOV, Iosif Abramovich; ODINOKOV, Yu.G., doktor fiz.-mat.nauk prof., retsenzent; CHEREMUKHIN, A.M., doktor tekhn.nauk prof., retsenzent; YARUNIN, A.M., inzh., red.; SHEYNFAYN, L.I., izdatel'skiy red.; ROZHIN, V.P., tekhn.red.

[Designing airplanes for strength] Raschet samoleta na prochnost'. Izd. 4., perer. Moskva, Gos.izd-vo obor. promyshl., 1958. 291 p. (MIRA 11:7)

(Airplanes--Design and construction)

L 51368-65 EEC(b)-2/EWT(1)/T Pq-4/Pi-4 IJP(c) OS

ACCESSION NR: AT5013929 UR/0000/64/000/000/0242/0243

AUTHOR: Bogdanov, A. A.; Brusin, I. Ya.; Yemelin, V. V.; Zverev, V. A.; Lyubina, A. G.; Markus, F. A.; Salenikovich, Ye. Yu.; Cheremukhin, A. M.; Shisharin, A. V.

TITLE: The diffractometer as an instrument which uses the diffraction phenomenon for multichannel spectral or correlation analysis of random processes

SOURCE: Vsesoyuznyy simpozium po difraktsii voln. 3rd, Tbilisi, 1964. Referaty dokladov. Moscow, 1964, 242-243

TOPIC TAGS: diffraction pattern, random process, spectrum determination, Fraunhofer line, optical information processing

ABSTRACT: Various types of optical equipment may be used for both successive and parallel analysis of the spectra and correlation functions of transparent objects. The diffractometer is one of the instruments which may be used in this manner. The spectra or correlation functions for a large number of processes can be determined simultaneously by observing the Fraunhofer diffraction pattern from individual transparent objects or combinations of objects. For instance, the spectra and correlation functions may be found for diffraction processes recorded as lines of variable density on a photographic film. In this method, the maximum number of

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simultaneously operating channels depends on the quality of the optical system and the film. In actual practice, the instrument can handle a great deal of information in a comparatively short period of time, which gives it a considerable advantage over electronic devices and even over digital computers. The instrument may also be used for signal separation and for detecting weak signals against a noisy background. The resolution and dynamic range, determined for sinusoidal signals, depend on the size of the "window" in the optical system and on the quality of the readout system. The instrument may be used as an optimum matched filter for detecting a special form of signal. In this case, the Fresnel diffraction pattern is used. "Film noises" (amplitude and phase distortions in the light wave which appear after passage through a uniformly fogged film) limit both the resolution and the dynamic range of the device. [14]

ASSOCIATION: none

SUBMITTED: 09Sep64 ENCL: 00 SUB CODE: OP, EC

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4007

Card 2/2 TMB

ACCESSION NR: AP4039730 S/0141/64/007/002/0300/0305

AUTHORS: Markus, F. A.; Cheremukhin, A. M.

TITLE: Measurement of the spatial spectrum of refractive-index fluctuations with the aid of a lens

SOURCE: IVUZ. Radiofizika, v. 7, no. 2, 1964, 300-305

TOPIC TAGS: light refraction, refractive index, spectral analysis, inhomogeneous gas media, statistical analysis

ABSTRACT: Apparatus used for the measurement of the spatial spectrum for visible light is described. The equipment consisted of two collimators with facing lenses, with a slot at the focal plane of the first collimator serving as the light source, and with the observations carried out in the focal plane of the second collimator. The light was scattered by inhomogeneities resulting from the production of constant temperature gradients in the air. The different

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ACCESSION NR: AP4039730

manifestations of the refractive-index fluctuations are discussed and the smallest size of irregularity of the refractive index is estimated to be about 1.5 cm. The method and the apparatus are suitable also for the study of all kinds of small random inhomogeneities that are transparent to visible light. Orig. art. has: 3 figures and 3 formulas.

ASSOCIATION: Gor'kovskiy gosudarstvenny*y universitet (Gorkiy State University)

SUBMITTED: 11Jun63 DATE ACQ: 19Jun64 ENCL: 00

SUB CODE: OP, MA NR REF SOV: 003 OTHER: 001

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CHEREMUKHIN, G. A.

VASILEVSKIY, L.; SEMENOV, S.; YEFREMOVA, Ye.V., redaktor; CHEREMUKHIN, G.A., redaktor; ANDRIANOV, B.I., tekhnicheskiy redaktor

[Foreign sport planes] Zarubezhnye sportivnye samolety. Moskva, Izd-vo DOSAAF, 1956. 66 p. (MLRA 10:10)
(Airplanes)

Cheremykhin I. K.

USSR /Chemical Technology. Chemical Products and Their Application I-27

Wood chemistry products. Cellulose and its manufacture. Paper.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32666

Author : Cheremukhin I.K.

Title : Industrial Utilization of Neutralization of Hydrolysates with Directed Crystallization of Gypsum

Orig Pub: Gidroliznaya i lesokhim. prom-st', 1956, No 5, 19

Abstract: Four months of experimental use of the method at the Khakasskiy hydrolysis plant demonstrated that gypsum deposit in the columns is entirely eliminated and expenditures of acid and steam for the hydrolysis are reduced.

Card 1/1 Hydrolysis Plant Khakass ASSR

CHEREMUKHIN, I.K.

LUR'YE, M.L.; CHEREMUKHIN, I.K.; MOROZOV, Ye.F.

Work practice of the Khakass Hydrolysis Plant. Gidroliz. i lesokhim. prom. 9 no.8:23 '56. (MLRA 10:2)

1. Giprogidrolis (for Lur'ye) 2. Khakasskiy gidrolizuyy zavod (for Cheremukhin and Morozov).
(Wood-using industries) (Alcohol) (Hydrolysis)

AKKERMAN, I.Z.; ZAYTSEV, B.M.; CHEREMUKHIN, I.K.; MOROZOV, Ye.F.

Designed capacity of a vacuum refrigerating installation.
Gidrolis. i lesokhim. prom. 9 no.8:27 '56. (MLRA 10:2)

(Refrigeration and refrigerating machinery)

CHEREMUKHIN, I.K.; MININA, V.S.; GRANKINA, L.G.

Cotton stalks as a raw material for hydrolysis plants in Central Asia. Gidrolis. i lesokhim. prom. 11 no.5:21-22 '58. (MIRA 11:9)

1. Ferganskiy gidrolizuyy zavod.
(Asia, Central--Hydrolysis) (Cotton)

BELEN'KIY, S.I.; KLIMOVA, Z.K.; SHPUNTOVA, M.Ye.; CHEREMUKHIN, I.K.

Rapid continuous inversion of pentose hydrolyzates. Gidroliz. i lesokhim. prom. 14 no.7:25-27 '61. (MIRA 14:11)

1. Nauchno-issledovatel'skiy institut gidrolizmoy i sul'fitno-spirtovoy promyshlennosti (for Belen'kiy, Klimova, Shpuntova).
2. Ferganskiy gidrolizmyy zavod (for Cheremukhin).
(Pentoses)
(Hydrolysis)

41919

15.3000

S/191/62/000/011/016/019
B101/B186

AUTHORS: Cheremukhin, I. K., Yelshin, I. M., Manannikov, P. M.

TITLE: Stability of plastic concrete in some aggressive media and organic solvents

PERIODICAL: Plasticheskiye massy, no. 11, 1962, 64-65

TEXT: Plastic concrete made of furfural acetone and andesite sand was exposed to aggressive media after 80-90 days setting at 20°C for 30, 90, 150, or 180 days, respectively. Results: The concrete was stable against 36% HCl, up to 85% H_2SO_4, 5% acetic acid, 50% alkali lye, 25% NH_3 solution, 26% $MgSO_4$ solution, 20% KCl solution, 40% NH_4Cl solution, kerosene, and gasoline. It was unstable against 3% HNO_3, 98% H_2SO_4, 100% acetic acid, benzene, ethanol, and acetone. Therefore, plastic concrete can be widely used in the chemical industry; also for boilers in the cellulose and other industries of hydrolysis; in the manufacture of glucose from wood waste, in the processing of lignin, in the production of superphosphate, etc. The stability of plastic concrete setting at 80-90°C within 5-7 hrs to

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Stability of plastic concrete ... S/191/62/000/011/016/019
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various chemical aggressive media is investigated in detail. There is 1 table.

Card 2/2

CHERMUKHIN, I. K.; YELSHIN, I. M.; MANANNIKOV, P. M.

Resistance of plastic concretes to corrosive agents and organic solvents. Plast. massy no.11:64-65 '62.
(MIRA 16:1)

(Concrete--Testing)

LEYKIN, Ye.R.; GUTINA, S.L.; CHEREMUKHIN, I.K.; GRANKINA, L.G.; PAVLOV, A.A.; NOVOSELOVA, A.A.

Introducing the battery method for ion-exchange purification of xylose syrups. Gidroliz. i lesokhim. prom. 16 no.2:15-16 '63. (MIRA 16:6)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidrolizney i sul'fitnospirtovoy promyshlennosti (for Leykin, Gutina). 2. Perganskiy gidrolizhyy zavod (for Cheremukhin, Grankina, Pavlov, Novoselova).
(Xylose) (Ion exchange)

CHEREMUKHIN, I.K.; KHODICH, M.A.; SNESAR', M.F.

Developing new types of chemical products. Gidroliz. i lesokhim. prom. 16 no.4:18-19 '63. (MIRA 16:7)

1. Perganskiy gidrolizmyy zavod.
(Fergana—Chemistry, Technical)

L 35522-65 EWT(m)/EWP(j) Pc-4 RM

ACCESSION NR: AP5008201 S/0286/65/000/005/0071/0071

AUTHORS: Oster-Volkov, N. N.; Shavskiy, G. S.; Cheremukhin, I. K.; Pospirova, N. M.; Trofimova, G. M.

TITLE: A method for producing synthetic resin. Class 39, No. 168880

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 71

TOPIC TAGS: resin, synthetic material, maleic anhydride, alcohol, thermal stability

ABSTRACT: This Author/Certificate presents a method for producing synthetic resin from furfuryl alcohol in the presence of maleic anhydride by condensation. To obtain resin of high thermal stability, the furfuryl alcohol is condensed first with levulose in the presence of alkali, and maleic anhydride is then introduced into the reaction mixture.

ASSOCIATION: none

SUBMITTED: 25May62 ENCL: 00 SUB CODE: MT

NO REF SOV: 000 OTHER: 000

Card 1/1

L 41724-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Pe-4/Pt-7 WW/RM
ACCESSION NR: AP5010913 UR/0286/65/000/007/0102/0102

AUTHORS: Oster-Volkov, N. N.; Shavskiy, G. S.; Cheremukhin, I. K.; Trofimova, G. M. 36 B

TITLE: A method for obtaining thermosetting resin. Class 39, No. 169779

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 102

TOPIC TAGS: resin, furyl alcohol, maleic anhydride, xylite

ABSTRACT: This Author Certificate presents a method for obtaining thermosetting resin based on furyl alcohol and maleic anhydride in the presence of alkali. To increase the thermochemical stability of resin, xylite is introduced into the basic condensate mixture.

ASSOCIATION: none

SUBMITTED: 21Oct63 ENCL: 00 SUB CODE: GC

NO REF SOV: 000 OTHER: 000

Card 1/1

L 00739-66 EWT(m)/EPF(c)/T BW/DJ

ACCESSION NR: AP5021989 UR/0286/65/000/014/0064/0064
621.892.09

AUTHOR: Cheremukhin, I. K.; Semanov, N. G.; Frenkel', A. L.; Grankina, L. G.; Dyrova, V. I.

TITLE: Hydraulic brake fluid. Class 23, No. 172944

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 64

TOPIC TAGS: brake fluid, anticorrosion additive, antifreeze

ABSTRACT: This Author's Certificate introduces a hydraulic brake fluid based on xylithane, methanol fraction, anticorrosion additives and thickening agents. The fluid is made more resistant to freezing, the rate of corrosion in the sleeves is reduced and a wider selection of raw materials is provided by adding 300 wt. % furfural to a 1:1 mixture of xylithane and methanol fraction.

ASSOCIATION: none
SUBMITTED: 12Jul62 ENCL: 00 SUB CODE: FP
NO REF SOV: 000 OTHER: 000

Card 1/1

CHEREMUKHIN, K. (Khar'kov)

Light filters for color printing. Sov.foto 23 no.1:35-36 Ja '63. (MIRA 16:5)

(Color photography--Printing processes)
(Photography--Light filters)

CHEREMUKHIN, L. F., Cand Med Sci -- (diss) "Intra-tracheal narcosis in transpleural operations in connection with cancer of the esophagus and the heart." Gor'kiy, 1960. 16 pp; (Gor'kiy State Medical Inst im S. M. Kirov); 300 copies; price not given; (KL, 26-60, 144)

CHEREMUKHIN, L. F.; PALAGIN, Ye. M.; RUSONIK, M. Ye.

Intratracheal anesthesia in gastric surgery. Khirurgiia no.4: 63-67 '62. (MIRA 15:6)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent V. I. Kukosh) Gor'kovskogo meditsinskogo instituta imeni S. M. Kirova.

(INTRATRACHEAL ANESTHESIA) (STOMACH--SURGERY)

CHEREMUKHIN, L.F.; RUSONIK, M.Ye.; PALAGIN, Ye.M.

Asphyxia and its prevention in strumectomy. Kaz. Med. Zhur. no.6:13-14 '62. (MIRA 17:5)

1. Fakul'tetskaya khirurgicheskaya klinika (zav. - dotsent V.I. Kukosh) Gor'kovskogo meditsinskogo instituta imen. S.M. Kirova.

CHEREMUKHIN, L.F.; PALAGIN, Ye.M.; RUSONIK, M.Ye.

Use of gangleron in preoperative care of patients with Basedow's disease. Sov. med. 28 no.4:43-45 Ap '64.

(MIRA 17:12)

1. Fakul'tetskaya khirurgicheskaya klinika (zav. - prof. V.I. Kukosh) Gor'kovskogo meditsinskogo instituta im. S.M. Kirova i klinicheskaya khirurgicheskaya bol'nitsa No.7 (glavnyy vrach O.N. Serebryakov), Gor'kiy.

L 24571-66 EWT(l)/EWT(m)/T/EWP(t) IJP(c) JD/HW/AT
ACC NR: AP6009668 SOURCE CODE: UR/0181/66/008/003/0822/0825

AUTHORS: Cheremushkina, A. V.; Vasil'yeva, R. P.

ORG: Moscow State University im. M. V. Lomonsov (Moskovskiy gosudarstvennyy universitet)

TITLE: Temperature dependence of the Hall effect and of the Nernst-Ettingshausen effect in cobalt

SOURCE: Fizika tverdogo tela, v. 8, no. 3, 1966, 822-825

TOPIC TAGS: Nernst effect, Ettingshausen effect, Hall effect, cobalt, temperature dependence, resistivity

ABSTRACT: The authors present results of an experimental investigation of the temperature dependence of the Hall effect and of the Nernst-Ettingshausen effect in the same sample of cobalt. The purpose of the investigation was to check the influence of the structural transformations on the parameters that relate the resistivity with these effects. The Hall emf was measured by a method described previously by one of the authors (Cheremushkina, with Ye. I. Kondorskiy

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and N. Kurbaniyazov, FTT v. 6, 539, 1964). The methods of measuring the Nernst-Ettingshausen emf was described by another author previously (Vasil'yeva, FMM v. 8, 851, 1959). The sample was a rectangular parallelepiped 3 x 6 x 120 mm in dimensions, magnetized in a longitudinal direction in a solenoid which could produce a field up to 3000 Oe. The measurements have shown that in the temperature interval from 18 to 650C the ferromagnetic Hall constant is connected with the resistivity by a relation $R_s = a\rho + b\rho^2$, and that in the same temperature interval the formula for the Nernst-Ettingshausen constant is $Q_s = -(\alpha + B\rho)T$, where T is the absolute temperature and the constants for the two hexagonal and cubic modifications of cobalt are:

	$\alpha \cdot 10^8$	$a \cdot 10^4$	b	$\beta \cdot 10^8$	$\frac{\alpha}{a}\frac{T}{\rho}$	$\frac{\beta}{b}\frac{T}{\rho}$
Hexagon.	—3	65	0.9	11.5	— 8.95	5.3
Cubic	4	120	0.49	9.9	+8.45	5.1

L 24571-66
ACC NR: AP6009668

The measurements also show that the quantity $Q_s\rho/R_sT$ exhibits a slight maximum near 400C. The authors thank Ye. I. Kondorskiy for a discussion of the results and valuable advice. Orig. art. has: 4 figures, 3 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 28Jul65/ ORIG REF: 006/ OTH REF: 002

Card 3/3 BK

RASHIN, G.A., kand. geologo-mineral. nauk; CHEREMUKHIN, Ye.P., inzh.

Role of melt homogenizing conditions on the production of industrial silicate stone. Stek. i ker. 22 no.10:14-18 O '65.
(MIRA 18:12)

1. Severo-Kavkazskiy gorno-metallurgicheskiy institut.

TEPLOV, A.V.; CHEREMUSHKIN, N.A., red.; KHITROV, P.A., tekhn. red.

[Water supply in railroad transportation]Vodosnabzhenie na zheleznodorozhnom transporte. Izd.2., ispr. i dop. Moskva, Transzheldorizdat, 1951. 349 p. (MIRA 15:8)
(Railroads—Water supply)

SHTEYNBERG, M.M.; POKROVSKAYA, G.N.; CHEREMUKHINA, A.I.

Effect of iron, lead, and phosphorus additions and conditions of recrystallization following annealing on the mechanical properties of 162 brass. Trudy Ural. politekh. inst. no.68:59-70 '58.
(MIRA 12:7)
(Brass--Testing) (Annealing of metals) (Crystallization)

TURKOVA, N.S.; VASIL'YEVA, L.N.; CHEREMUKHINA, L.F.

Physiology of the curving of leaves and stems. Fiziol. rast. 12 no.5:825-831 S-O '65. (MIRA 19:1)

1. Kafedra fiziologii rasteniy Moskovskogo gosudarstvennogo universiteta.

KROKHIN, S.I.; CHERKEMUKHINA, R.I.

Mechanism of the effect of kerosene in flotation. Izv.vys.ucheb. zav.; tsvet. met. 2 no.1:26-40 '59. (MIRA 12:5)

1. Severokavkazskiy gornometallurgicheskiy institut. Kafedra obogashcheniya poleznykh iskopayemykh.
(Flotation) (Kerosene)

KROKHIN, S.I.; CHERREMUKHINA, R.I.

Effect of flotation regulators on the linear adsorption of oil reagents on the three-phase wetting perimeter. Izv.vys. ucheb.zav.;tsvet.met. 2 no.4:27-35 '59. (MIRA 13:1)

1. Severokavkazskiy gornometallurgicheskiy institut. Kafedra obogashcheniya poleznykh iskopayemkh.
(Flotation--Equipment and supplies)
(Surface tension)

TSAYLINGOL'D, A.L.; TYURYAYEV, I.Ya.; BONDARENKO, A.V.; CHEREMUKHINA, T.A.

Catalytic hydrocracking of dixylmethane. Khim. i khim. tekh. 1:111-121 '62. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut monomerov dlya sinteticheskogo kauchuka i Yaroslavskiy tekhnologicheskiy institut.

TUR'YAN, Ya.I.; CHEREMUKHINA, T.A.

Polarographic study of the interaction of ammonium ions with formaldehyde in aqueous solution. Zhur. anal. khim. 19 no.7: 815-820 '64. (MIRA 17:11)

1. Yaroslavl Scientific-Research Institute of Monomers.

CHEREMUKHINA, T.V., uchitel'nitsa

Some methods of enlivening lectures. Khim. v shkole 15 no.4:46-52 Jl-Ag '60. (MIRA 13:9)

1. Shkola rabochey molodezhi No.34, Moskva.
(Chemistry--Study and teaching)

15-57-10-14913

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 262 (USSR)

AUTHOR: Cheremushentsev, I. A.

TITLE: Determining the Minimum Height of a Block of Ore During Mining, by a System of Mass Caving in Horizontal and Gently Inclined Deposits (Opredeleniye minimal'noy vysoty bloka pri razrabotke sistemoy s massovym obrusheniyem pologo i gorizontal'no zalegayushchykh mestorozhdeniy)

PERIODICAL: Sb. nauch. tr. Kazakhsk. gornometallugr. in-t, 1956, Nr 13, pp 201-211

ABSTRACT: The question of minimum height of a block of ore for which mining by mass caving of the ore may profitably be carried out is of considerable importance. In the first place it is necessary to decide whether to drive the preparatory excavations along the ore or along barren rock. The ores in lead-zinc deposits are generally in resistant rocks and therefore, during determi-

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nation of the minimum height of the block, it is necessary to provide for artificial caving of the ore. In this problem there may be two situations. 1) The thickness of the deposit is 10 m to 15 m. Undercutting the lower part of the block is accomplished by cutting machines that leave pillars 3 m to 4 m wide between them. These pillars are destroyed later, at the same time the entire block is caved. 2) The thickness of the deposit is on the order of 20 m or more. In this situation, the lower part of the deposit, to a height of no less than 6 m to 7 m, is mined by the more laborious method. After removal of the ore from the block, the hoppers are filled with barren rock; therefore the excavation of the lower part of the deposit will be associated with increased loss and depletion. During undercutting preparations, the loss is less, inasmuch as the ore in the entire thickness is worked out by one system. The ore preparation is more profitable because the cost of driving the working area is partly paid for by the extraction of ore. The less the height of the block of ore, the greater the difference in cost per ton of ore extracted during the various processes of preparation, inasmuch as the cost of excavating ore from the lower part of the

Determining the Minimum Height of a Block of Ore (Cont.)

deposit by the more laborious system during ore preparation is reflected in the considerably higher total cost of extraction. With increase in height of the ore block, the influence of this factor is diminished. An important advantage of the variant of field preparation is that the system of mass caving may be used also for deposits of lesser thickness. Therefore, during mining operations by a system of mass caving, when the height of the block is equal to the thickness of the ore deposit, only undercutting preparations should be used.

Card 3/3

A. A. Bobyr'

CHERMUSHENTSEV, Ivan Aleksandrovich, doktor tekhn. nauk; RYZHOVA, Lyudmila Viktorovna, kand. tekhn. nauk; TSIMBALENKO, L.N., inzh., red.; LUCHKO, Yu.V., red. izd-va; ZEF, Ye.M., tekhn. red.

[Use of block caving in mining complex ores] Primenenie sistemy etashnogo obrusheniia na polimetallicheskikh rudnikakh SSSR. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1958. 160 p. (MIRA 11:10)
(Mining engineering)

PANIN, Ivan Mikhaylovich; KOVALEV, Igor' Antoninovich; POPOV, G.N., prof., doktor tekhn. nauk, retsenzent; CHEREMUSHENTSEV, I.A., prof., doktor tekhn. nauk, retsenzent; LOBANOV, D.P., dots., kand. tekhn. nauk, retsenzent; STEBAKOV, B.A., gorn. inzh., retsenzent; TARASOV, L.Ya., prof., gornyy inzh., otv. red.

[Problems on the underground mining of ore deposits] Zadachnik po podzemnoi razrabotke rudnykh mestorozhdenii. Moskva, Nedra, 1964. 211 p. (MIRA 18:2)

CHEREMUSHENTSEVA, I.I.

AUTHOR CHEREMUSHENTSEVA, I.I. 20-1-22/64

TITLE The Study of the Content of Nuclein Acids in a BROWN-PEARS Tumor With Rabbits Under the Influence of Ultrasonics of High Intensity. (Izucheniye soderzhaniya nukleinovykh kislot v opukholi Broun-Pirs u krolikov pri vozdeystvii ul'trazvukom bol'shoy intensivnosti - Russian)

PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 114, Nr 1, pp 84-85 (U.S.S.R.)

ABSTRACT The present work investigates the histo-chemical changes of nuclein acids in tumor cells under the influence of intensive ultrasound. These investigations were carried out on a BROWN PEARS tumor of rabbits on the loth day after engrafting. For the purpose of easier irradiation the ovum was shifted on the occasion of the engrafting of the tumor to the front part of the hip by means of a special process, and was sewn on there. The tumor was exposed to a strong ultrasonic apparatus (15o Watt/cm^2, duration: 1,3 sec., frequency: 15oo kilokertz). 3o minutes after this treatment the rabbits were killed. The tissue of the tumor treated this way was investigated in sections- section I is closest to the apparatus, section II and III are farther away from it. Corresponding sections were also investigated in the tissue of tumors which were not treated thes way. On the occasion of the sections through the treated tissue of the tumor the following observations were made: the intensive ultrasonic waves caused no destruction of the cells in the case of short exposure, which confirms the results obtained by the author in his laboratory. Considerable cytochemical changes occured in the cells. A union of the cells of ribonuclein acid was observed. Ribonuclein acid occurs in form

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The Study of the Content of Nuclein Acids in a BROWN-PEARS Tumor With Rabbits Under the Influence of Ultrasonics of High Intensity. 20-1-22/64

of a homogenous structure in the cells of the sound-treated tissue, it diffusely soaks the whole protoplasma. The charges extend to only the surface parts of the tumor. No change of the content of desoxyribonuclein acid was observed. We see that highly intensive ultrasonic waves do not cause great morphological changes in the cells, but they change the content, the structure, and the distribution of nuclein acids immediately after sound-treatment. (With 3 illustrations)

ASSOCIATION Laboratory for Anisotropic Structures of the Academy of Science of the USSR
PRESENTED BY ORBELLI L.A., Member of the Academy
SUBMITTED 27.11.1956
ABAILABLE Library of Congress.
Card 2/2

CHABDAROVA, Yu.I.; CHEREMUSHENTSEVA, L.V.

Comparing methods of level and sublevel caving in conditions of a complex ore mine. Trudy Inst. gor. dela AN kazakh. SSR 7:30-37 '60. (MIRA 14:6)

(Mining engineering)

CHEREMUSHKIN, A. V.

USSR/General Division. History. Classics. Personalities. A-2

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85043

Author : P. V. Gorskiy, G. G. Samoylovich, P. M. Podduyev, A. V. Cheremushkin, V. S. Moiseyev

Inst :

Title : Professor Nikolay Vasil'yevich Tret'yakov, his Pedagogical, Scientific and Social Activities (on his 75th Birthday)

Orig Pub : Tr. Leningr. lesotekhn. akad., 1956, vyp. 73, 219-230

Sylviculturist. See: RZhBiol, 1956, 43148

Abstract : No abstract.

Card 1/1

CHEREMUSHKIN, I.Ye., inzh.

Contactless regulator of current density in galvanizing baths.
Sudostroenie 27 no.9:58-60 S '61. (MIRA 14:11)
(Galvanizing)
(Automatic control)

SMUSHKOV, P.I., inzhener; CHEREVATYY, N.S., retsenzent; YEGOROV, A.V., retsenzent; CHERNOUSHKIN, N.A., redaktor.

[Steam boiler safety plugs] Kontrol'nye probki parovoznykh kotlov. Izd. 2-e, ispr. Moskva, Gos. transp.zhel-dor. izd-vo, 1952. 99 p. [Microfilm] (MLRA 7:10)

(Steam boilers--Safety plugs)

YEGIAZAROV, Aleksandr Grigor'yevich; CHEREMUSHKIN, P.A., nauchn. red.; RYCHEK, T.I., red.

[Manufacture and installation of industrial ventilation systems] Izgotovlenie i montazh sistem promyshlennoi ventiliatsii. Moskva, Vysshaia shkola, 1965. 274 p. (MIRA 18:8)

CHEREMUSHKIN, P.A., inzh.; TABUNINA, M.A., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Indoor plumbing work] Vnutrennie sanitarno-tekhnicheskie raboty. Izd.2., ispr. i dop. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 215 p. (MIRA 15:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. (Plumbing)

CHEREMUSHKIN, S.

Efficient land use in agriculture. Vop. ekon. no.8:80-89 Ag '61. (MIRA 14:7)
(Agricultural administration)

CHEREMUSHKIN, Sergey Dmitriyevich, kand. sel'skokhozyaystvennykh nauk; GRIGTSOV, P.P., red.; FEDOTOVA, A.F., tekhn. red.

[Investigation and evaluation of soils in the German Democratic Republic] Issledovanie i otsenka zemli v GDR. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 189 p. (MIRA 11:10)
(Germany, East--Soils)

CHEREMUKHIN, S.D.

AUTHOR: None Given

6-58-2-21/21

TITLE: Chronicle (Khronika)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 2, pp. 79-79 (USSR)

ABSTRACT: From January 28 to January 31, 1958 the Regular Scientific Conference on Soil Science, Geodesy and Aerophotogeodesy took place in the MIIZ (Moscow Institute for Soil Science Engineering). 554 representatives from universities, technical institutions, scientific research institutes, and of more than 1oo organizations of producting took part. In the plenary meeting the Deputy Director of the MIIZ for Scientific Research Public Instruction N.N. Burikhin, Doctor of Economics, reported on the development of soil science during 4o years of Soviet Rule. Professor N. V. Bochkov reported on the development of socialist soil reporting. S.D. Cheremukhin, Candidate of Economics, reported on qualitative soil reporting and on economical soil classification. Professor A. V. Maslov reported on geodetic operations in landscaping. Instructor G.A. Kuznetsov reported on the soil cultivation in Sovkhozes of recently cultivated regions. In the Section for Geodesy 12 reports

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were given: M. Ye. Nekhoroshev, Chief Engineer of the All-Union Office for Agricultural Aerial Photography, reported on the tasks of agricultural aerial photography for supplying cartographic material to the authorities for soil science. N. M. Pazel'skiy, Chief Engineer of the Central Agency for Agricultural Aerial Photography, reported on the experiences in the production of photographic maps on the basis of plans from previous years and of transit lines. N. G. Karlova, Engineer from the same office, reported on the representation of the surface relief in the photographic maps according to the particulars of previously made topographic surveys. Professor V. F. Deyneko reported on the terminology and nomenclature of aerial photography. M. Kh. Muzafarov, Candidate of Technical Sciences reported on rules governing the distribution of tilts in aerial photography. Aspirant A. T. Skobelev reported on the electric stereoautograph. Aspirant L. D. Bol'shakova reported on the graphical- analytical phototriangulation with several field routes. Instructor Ye. G. Larchenko reported on the tendencies in the development of computation techniques in the USSR and abroad. Instructor V. P. Ryazanov reported on the

computation of the number of equations in non-free triangulation nets. Instructor A. V. Gordeyev reported on the anuracy in the solution of systems of linear equations. V. G. Yemel'yanov, Chief Engineer for Geodesy of the Regional Soil Science Department of the Orel district, reported on instrumental errors of the polar planimeter. Aspirant Yu. G. Batrakov reported on the accuracy in the computation of the volume of excavated material in the sloping of slope-marks. In the Section for Soil Science I. N. Rychkov, Director of the All - Union Authority for Agricultural Aerial Photography, reported on problems of the agricultural interpretation of aerial photographs with simultaneous scientific soil investigation.

1. Geodesics 2. Aerial photography—Performance
3. Soils—Development 4. Mathematics

AUTHOR: Gvozdetskiy, N.A. SOV10-58-4-25/28

TITLE: An Inter-University Conference on Dividing the USSR into Economic Regions (Mezhvuzovskoye soveshchaniye po rayonirovaniyu)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1958, nr 4, pp 146 - 149 (USSR)

ABSTRACT: From 1 - 5 February 1958, the Ministry of Higher Education and the Moscow State University convened the above-mentioned conference. The purpose was to discuss the results of the first year of planning for this division, and to plan further development. The conference heard the following reports: P.A. Letunov, N.N. Rozov and V.M. Fridland, workers of the SOPS and the Soil Institute of the USSR Academy of Sciences on "The Division of the USSR into Economic Regions According to Soil and Climatic Factors"; S.D. Cheremyshkin on the economic evaluation of the land; Professor F.N. Mil'kov on a physical-geographical scheme for an economic division of the central black earth regions; V.K. Zhuchkova on research work done by the Moscow University on an economic division of the black earth regions; Professor V.P. Popov, O.V. Poryvkina and A.I. Lan'ko

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An Inter-University Conference on Dividing the USSR into Economic Regions

on the results of the work done in 1957 on an economic division of the USSR according to physical-geographical considerations; P.S. Kuznetsov, A.Ye. Matissen and Ye.V. Isherskaya (Saratov geographers), B.A. Chazov (Saratov and Perm' University) and Professor G.G. Grigor (Tomsk University) on an economic division of the USSR according to physical-geographical considerations; M.S. Saneblidze, N.K. Keremov and K. Oganyan on a scheme for an economic division of the Trans-Caucasian Republic; V.D. Bobok and N.N. Dzens-Litovskaya (Leningrad University), K.G. Raman (Latvian University), V.A. Dement'yev (Byelorussian University), A.V. Stupishin (Kazan' University), B.A. Lunin (Kirghiz University) and Yu.A. Usmanov (Bashkir Institute of Agriculture) on the economic division of their respective regions; A.N. Rakitnikova (MGU) on "A Method of Dividing the Country into Agricultural Regions"; I.F. Mukol' on "The Experiment of Dividing the USSR into Agricultural Region"; G.A. Kocharyan on "The Economic and Agricultural Zoning of Armenia"; B.N. Perlin on "The Organization of Leading Agricultural Branches on the Example of Flax Cultivation in the Smolensk Oblast'"; S.I. Savenkov

Card 2/3

An Inter-University Conference on Dividing the USSR into Ecomomic Regions

"The Agricultural Zoning of the Lower Volga Region". The preparation of detailed maps was of great importance in this connection. A.A. Zavalishin and A.A. Khantulev compiled them for the north and north-west part of the European SSSR, O.V. Makeyev, M.A. Korzun and V.G. Zol'nikov for the Irkutsk Oblast' and the Yakutsk ASSR, F.Ya. Gavrilyuk for the Central Caucasian Region, V.R. Volobuyev, B.M. Agayev, R.V. Kovalev and Kh.P. Mirimanyan for Azerbaydzhan and Armenia, A.F. Neganov and V.D. Kucherenko for the Saratov and Orenburg Oblasts' and B.B. Fedorov for the irrigation zones of Central Asia.

1. Social sciences--USSR

Card 3/3

TULUPNIKOV, A.I.. Prinimali uchastiye: BAKULIN, I.I.; VIKHLYAYEV, A.P.; DUBOROV, N.T.; KABANOV, P.N.; PIS'MENNYY, I.G.; POPOV, N.I.; SOLOV'YEV, A.V., prof., doktor ekon.nauk, retsenzent; MAKAROV, N.P., prof., doktor ekon.nauk, retsenzent; GORYACHKIN, M.I., kand.nauk, retsenzent; OKHAPKIN, K.A., kand.nauk, retsenzent; HUŠAKOV, G.K., kand.nauk, retsenzent; MURATOV, D.G., kand.nauk, retsenzent; CHERE-MUSHKIN, S.D., kand.nauk, retsenzent; TOLOV, V.V., retsenzent.

[Economic basis for agricultural administration] Voprosy ekonomicheskogo obosnovaniia sistem vedeniia sel'skogo khoziaistva. Moskva, 1960. 275 p. (MIRA 13:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva (for Bakulin, Vikhlyayev, Duborov, Kabanov, Pis'mennyy, Popov.)
(Farm management)

CHEREMUSHKIN, S.D.; KLOPOTOVSKIY, A.P.; KRYUCHKOV, V.G.; MARKOVA, M.V.; RAKITINA, Ye.D., red.; PROKOF'YEVA, L.N., tekhn. red.

[Economic valuation of land] Ekonomicheskaia otsenka zemli. By S.D. Cheremushkin i dr. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1961. 183 p. (MIRA 14:8)
(Farms--Valuation) (Moscow Province--Soils--Classification)

CHEREMUSHKIN, S.D., kand. sel'khoz. nauk; KLOPOTOVSKIY, A.P., kand. sel'khoz. nauk; MARKOVA, M.V., kand. sel'khoz. nauk; SMIRNOV, N.A., red.

[Basic principles of the economic valuation of land]Osnovnye printsipy ekonomicheskoi otsenki zemli; materialy nauchno-issledovatel'skikh rabot. Moskva, Vses. nauchno-issl. in-t ekon. sel'.khoz. 1962. 79 p. (MIRA 16:1)

1. Rukovoditel' otdela ekonomicheskoy otsenki zemel'nykh ugodiy Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Cheremushkin). 2. Otdel ekonomicheskoy otsenki zemel'nykh ugodiy Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Klopotovskiy, Markova). (Moscow Province--Farms--Valuation) (Moscow Province--Soils--Classification)

BADAR'YAN, G.G.; TYUTIN, V.A.; CHEREMUSHKIN, S.D.; ZUZIK, D.T.; KHODASEVICH, B.G.; FRAYER, S.V.; GUSAROV, Ye.I.; KAZANSKIY, A.M.; KASSIROV, L.N.; KARAYEV, S.A.; ABRAMOV, V.A.; VASIL'YEV, N.V.; BUGAYEV, N.F.; SAPIL'NIKOV, N.G.; KASTORIN, A.A.; RUDNIKOV, V.N.; YAKOVLEV, V.A.; PEREMYKIN, V.I.; ISAYEV, A.P.; KUZ'MICHEV, N.N.; IL'IN, S.A.; PROSHIN, V.A.; LUK'YANOV, A.D.; SHAKHOV, Ya.K.; IL'ICHEV, A.K., kand. sel'-khoz. nauk; KOGAN, A.Ya.; TSYNKOV, M.Yu.; BABIY, L.T.; GORBUNOV, I.I.; KOVALEV, A.M.; ROMANCHENKO, G.R.; BRODSKAYA, M.L., red.; IVANOVA, A.N., red.; GUREVICH, M.M., tekhn. red.; TRUKHINA, O.N., tekhn. red.

[Economics of agriculture]Ekonomika sotsialisticheskogo sel'-skogo khoziaistva; kurs lektsii. Moskva, Sel'khozizdat, 1962. 710 p. (MIRA 15:10)

(Agriculture—Economic aspects)

CHEREMUSHKIN, Sergey Dmitriyevich

"An Economic Evaluation of Land and the Basis of Land Cadastre."

dissertation for the degree of Doctor of Economic Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

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CHEREMUSHKINA, A.V.

USSR/Physics - Hall's effect

Card 1/1 : Pub. 22 - 9/44

Authors : Akulov, N. S., active member of the Acad. of Scs. of the BSSR; and Cheremushkina, A. N. V.

Title : Regarding the Hall effect theory in ferro-magnetics

Periodical : Dok. AN SSSR 98/1, 35-38, Sep 1, 1954

Abstract : It is suggested that the Hall thermomagnetic effect, described by the following formula:

$$R_0 - R_T = C(I_{sT}^2 - I_{s0}^2),$$

be evaluated by Akulov's formula:

$$e = \left[a_0\rho_0 + e_2 (\rho T - \rho_0)\right] I_s i$$

which is a more general formula, but gives the same results. Symbols are explained. Six references (1930-1952). Graphs.

Institution : Moscow State University im. M. V. Lomonosov

Submitted :

CHEREMUSHKINA, A V

USSR/ Physics - Hall's effect

Card 1/1 Pub. 22 - 11/49

Authors : Akulov, N. S., Active Memb., Acad. of Scs., BSSSR; and Cheremushkina, A. V.

Title : On the influence of the arrangement on Hall's effect in electromagnets

Periodical : Dok. AN SSSR 102/1, 45-47, May 1, 1955

Abstract : The manner in which the degree of magnetization affects the Hall's effect in ferro-magnets is considered and some theories connected with the variations of Hall's effect in ferro-magnets and outlined. Results of experimental work, intended to prove or disprove the above mentioned theories, are pointed out. Nine references: 1 USA and 8 USSR (1930-1954). Graph.

Institution : .....

Submitted : November 11, 1954

CHEREMUSHKINA, A.V.

21 539.245 : 538.63

2415. ON THE THEORY OF THE HALL EFFECT IN FERRO-MAGNETICS. N.S.Akulov and A.V.Cheremushkina. Zh. eksper. teor. Fiz., Vol. 31, No. 1(7), 152-3 (1956). In Russian.

The Hall constants of Fe, Ni and a 46% Ni + 53.3% Fe alloy have been measured as a function of resistivity and the results analysed, together with those of other authors, in an attempt to find a correlation. An empirical relationship is deduced: $R - R_0 = a_1(\rho - \rho_0) + a_2\rho(\rho - \rho_0)$ where R is the Hall constant and ρ resistivity. This holds only down to about 100°K, where the anomalous negative temperature coefficient of R destroys its validity. I.B.Arthur

CHEREMUSHKINA, A.V.

137-58-2-3872

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 228 (USSR)

AUTHOR: Cheremushkina, A.V.

TITLE: On the Hall Effect in Age-hardened Fe-Mo Alloys (Ob effekte Kholla dispersionno-tverdeyushchikh splavov Fe-Mo)

PERIODICAL: Vestn. Mosk. un-ta, Ser. matem., mekhan., astron., fiz. khimii, 1957, Nr 2, pp 127-130

ABSTRACT: A comparison was made between experimental results and theoretical equations for the relationship between the Hall constant R and the resistivity ρ of pure ferromagnetic metals and homogeneous solid solutions. The Fe-Mo-alloys investigated, containing 1.6, 4.2 and 6.15% Mo, represent solid solutions, whereas alloys containing 10, 13.65, and 17.8% Mo belong to the two-phase system (solid solution+Fe_3Mo_2); the latter underwent homogenation at 1000°C in a 24-hour period. Measurement of R and ρ was by potentiometer. The magnetization of the specimens and the H_c were measured by the ballistic method. It is shown that the R is linearly dependent upon the magnetization in fields corresponding to commercial magnetization levels up to the temperature of liquid

Card 1/2

Chair of Magnetism, Moscow State U.

137-58-2-3872

On the Hall Effect in Age-hardened Fe-Mo Alloys

N_2, but R increases considerably more rapidly than ρ as the Mo content increases in the alloy. With reduction in temperature, R and ρ diminish. The following relationship exists between R and ρ : $R=a\rho+b\rho^2$. Dispersion (age) hardening causes the R and ρ values to undergo a sharp decline. An experimentally determined relationship between ρ and R on the one hand and Mo content on the other is presented.

V. R.

1. Iron-molybdenum alloys—Hall effect—Analysis 2. Iron-molybdenum alloys —Resistivity—Measurement

Card 2/2

CHEREMUSHKINA, A. V., Cand Phys-Math Sci -- (diss) "Study of the Hall effect in ferromagnetics." Mos, 1958. 8 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M. V. Lomonosov, Phys Faculty), 100 copies (KL, 17-58, 105)

AUTHOR: Cheremushkina, A.V. SOV/55-58-1-15/33

TITLE: On the Hall-Effect of Ordering Alloys of Iron-Aluminum (O effekte Kholla uporyadochivayushchikhsya zhelezo-alyuminiyevykh splavov)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya fiziko-matematicheskikh i yestestvennykh nauk, 1958, Nr 1, pp 121-127 (USSR)

ABSTRACT: The investigations of the Hall-effect carried out by the author show that the ferromagnetic Hall constant reacts very strong to the variations of the structure of the alloy. This can be seen most distinctly by the graphical representation of R and ς (specific electric resistance) in dependence of the aluminum content in hardened and slowly cooled alloys. Both curves show the spot of the critical concentration of the aluminum, above of this spot, the ς-curve shows only an unessential maximum, while the R-curve shows a characteristic maximum. If the concentration is smaller than the critical one, then it holds $R = a\varsigma + b\varsigma^2$, where a and b do not depend on the temperature. Furthermore it holds $R_u - R_g = -a_1(\varsigma_u - \varsigma_g) - b_1(\varsigma_u - \varsigma_g)^2$, where R_u and ς_u relate to the disordered state and R_g, ς_g relate to the ordered state of the alloy.

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