ACC NR: AP6032419 SOURCE CODE: UR/0387/66/000/009/0072/0081

AUTHOR: Yegorkin, A. V.

ORG: Ministry of Geology SSSR, Special Geophysics Trust (Ministerstvo geologii SSSR, Trest Spetsgeofiziki)

TITLE: An analysis of precision of determination of velocity parameters in a given section of the earth crust on the basis of traces of reflected waves

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 9, 1966, 72-81

TOPIC TAGS: seismology, seismic prospecting, seismic wave, earth crust

ABSTRACT: The feasibility of applying seismic reflection methods to determine the structure of the earth's crust is discussed and possible errors in the method are evaluated. The current seismic methods are designed for the two-layer problem. They are based on the use of the apparent vertical velocity parameter and the true horizontal velocity in depth. The difficulties in the methods are: 1) the tracing of the reflected waves requires greater horizontal distances than the depth to the corresponding boundary, 2) the wave field consists of waves of different kinetic and dynamic characteristics which would be treated differently, 3) the earth's crust is composed of numerous strata which differ but slightly in absolute velocities. The author considers the mathematical expressions for the apparent H and V, and cites numerical data on ex-

Card 1/2 UDC: 550.834

ACC NR: AP6032419

periments in various localities. Relationships between the ray velocities and the apparent velocities are evaluated by means of formulas and graphs. Errors in computation of stratum velocities by means of such graphs are evaluated. Some errors are traced to: 1) the arbitrary delineation of the earth crust's bottom, 2) negligible velocity differences for different strata. Orig. art. has: 12 formulas, 11 figures, 1 table.

SUB CODE: 08/ SUBM DATE: 21Sep65/ ORIG REF: 014

Card 2/2

ACC NR: AP6036362 SOURCE CODE: UR/0387/66/000/011/0108/0114

AUTHOR: Yegorkin, A. V.

ORG: Ministry of Geology, SSSR, Spetsgeofizika Trust (Ministerstvo geologii SSSR, Trest Spetsgeofizika)

TITLE: Methods of determining the velocity parameters of a section through the earth's crust from reflected-wave hodograph

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 11, 1966, 108-114

TOPIC TAGS: seismic prospecting, seismic wave, hodograph, earth crust, error statistics

ABSTRACT: This is a continuation of earlier work by the author (Izv. AN SSSR, Fizika Zemli, no. 9, 1966) where possible errors in the determination of velocity parameters of the earth's crust from reflected-wave hodographs were indicated. In the present article it was shown that these errors can be eliminated by using interpretation methods based on the practical equality of the ray velocities and the effective velocities calculated from the segments of the reflected-wave hodographs. An advantage of the method is that it makes it possible to carry out large scale calculations of the thicknesses and layer velocities and subsequently apply mathematical statistics to determine the true values of the sought parameters and the confidence intervals for them. In addition, by determining the velocities and thicknesses at different reflection angles it is possible to establish the character of the variation of the propagation velocity in a layer contained between two reflecting boundaries. Methods of determining the theoretical velocities under several conditions are described. Orig. art. has: 3 figures, 12 formulas, and 1 table.

Card 1/2 UDC: 550.834

ACC NR: AP6036362 "APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420015-1"

SUB CODE: 08/ SUBM DATE: 21Sep65/ ORIG REF: 008

ACC NR: AP7001912 SOURCE CODE: UR/0387/66/000/012/0054/0061

AUTHOR: Yegorkin, A. V.

ORG: Ministry of Geology ((Ministerstvo geologii SSSR); Spetsgeofizika Trust (Trest "Spetageofizika")

TITLE: The use of mathematical statistics in determining crustal velocities from travel-time curves of reflected waves

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 12, 1966, 54-61

TOPIC TAGS: hodograph, earth crust, statistic analysis, propagation velocity

ABSTRACT: Determination of travel times for reflected waves is subject to errors of method and imprecision in determining arrival times, shot-point distance, and similar data. Some of the errors of the first type are systematic, but all others are random. The Earth's crust appears to be multilayered. Within a particular region, no substantial systematic deviations of formation velocities from those of a horizontally bedded section are observed. It may be stated that the determination of crustal velocities from travel-time curves of reflected waves by methods valid for multilayered and horizontally bedded strata will give a combination of random variations of the desired values, which are subject to statistical analysis. For determining formation velocities and thicknesses, the most acceptable methods are that previously proposed by the author (Sposoby opredeleniya skorostnykh parametrov razreza zemnoy

UDC: 550.834.5

Card 1/2

ACC NR: AP7001912

kory po godografam otrazhennykh voln, Izv. AN SSSR, Fizika Zemli, No. 11, 1966) and that discussed by S. F. Bol'shikh (O priblizhennom predstavlenii godografa otrazhennykh voln v sluchaye mnogosloynoy pokryvayushchey sredy. Priklad. geofiz., No. 15, 1956). Sources of error in these two methods are considered. These errors constitute a large number of rather small, independent random values. The combination of velocity (or thickness) values should have normal distribution. Deviations indicate systematic variation in geology. Comparison of measured and computed results from profiles in Central Asia shows that travel-time curves of reflected waves may be used with a high degree of accuracy in determining crustal velocities. Values determined are average, however, and may differ considerably from actual formation values for a specific area. Orig. art. has: 1 figure and 4 tables.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 003/ ATD PRESS:5112

Card 2/2

86835

3,9300
9,9865

S/020/60/135/005/024/043
B019/B067

AUTHORS: Godin, Yu. A., Academician of the AS Turkmenskaya SSR, Yegorkin, A. V.

TITLE: Structure of the Earth's Crust According to Data of Regional Seismic Studies on the Southeast Russian Platform

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 5, pp. 1123-1126

TEXT: The authors present results of an interpretation of wave hodographs which were taken at a distance between explosion and instrument larger than the critical one. The studies were made by the Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov (All-Union Scientific Research Institute of Geophysical Methods) from 1956-1959. The existence of wave groups having similar properties is regarded as the characteristic property of the seismograms obtained. On the basis of a detailed study of these wave groups and a comparison with results obtained by other authors, the authors make the following suggestion concerning the structure of the Earth's crust in this region which consists of layers with different

Card 1/2

86835

Structure of the Earth's Crust According to Data of Regional Seismic Studies on the Southeast Russian Platform

S/020/60/135/005/024/043
B019/B067

propagation velocities of seismic waves: The upper part of the Earth's crust has a mean velocity of 6.0 km/sec and a thickness of 12-13 km. A thin surface layer of this layer (1-3 km thick) has a velocity of 6.6 km/sec. The mean velocity down to a depth of 20 km (Mokhorovichich surface) is 7.1 km/sec below which, at a depth of 31-33 km, a thin plate (1-3 km) has a velocity of 7.6 km/sec. Below this plate is a 10 km thick layer with a velocity of 8.15 km/sec. A surface along which the head waves propagate at a velocity of 9.15 km/sec possibly constitutes the surface of a thin layer. The vertical velocity gradients of the individual plates may be negative or positive. Furthermore, the Earth's crust is assumed to consist of three main layers: 1) sedimentary layer, 2) "granite" layer, 3) "basalt" layer. These layers are traversed by intermediate layers. S. V. Chibisov, A. V. Yegorkin, Ye. D. Tagay, I. V. Pomerantsev, and M. V. Margot'yeva are mentioned. There are 2 figures and 7 references: 4 Soviet and 2 US.

SUBMITTED: May 18, 1960

Card 2/2

YEGORKIN, A.V.; ASTAF'YEVA, M.I.; ABRAMSON, R.I.

Subsurface structure of southwestern Uzbekistan based on the data of regional seismic studies. Sov. geol. 8 no.6:149-152 Je '65. (MIRA 18:8)

YEGORKIN, B., inzh.

Four times quicker. Mast. ugl. 7 no.3:22 Mr '58. (MIRA 11:3)
(Coal mining machinery--Maintenance and repair)

YEGORKIN, B.F.

USSR/General Problems. A-

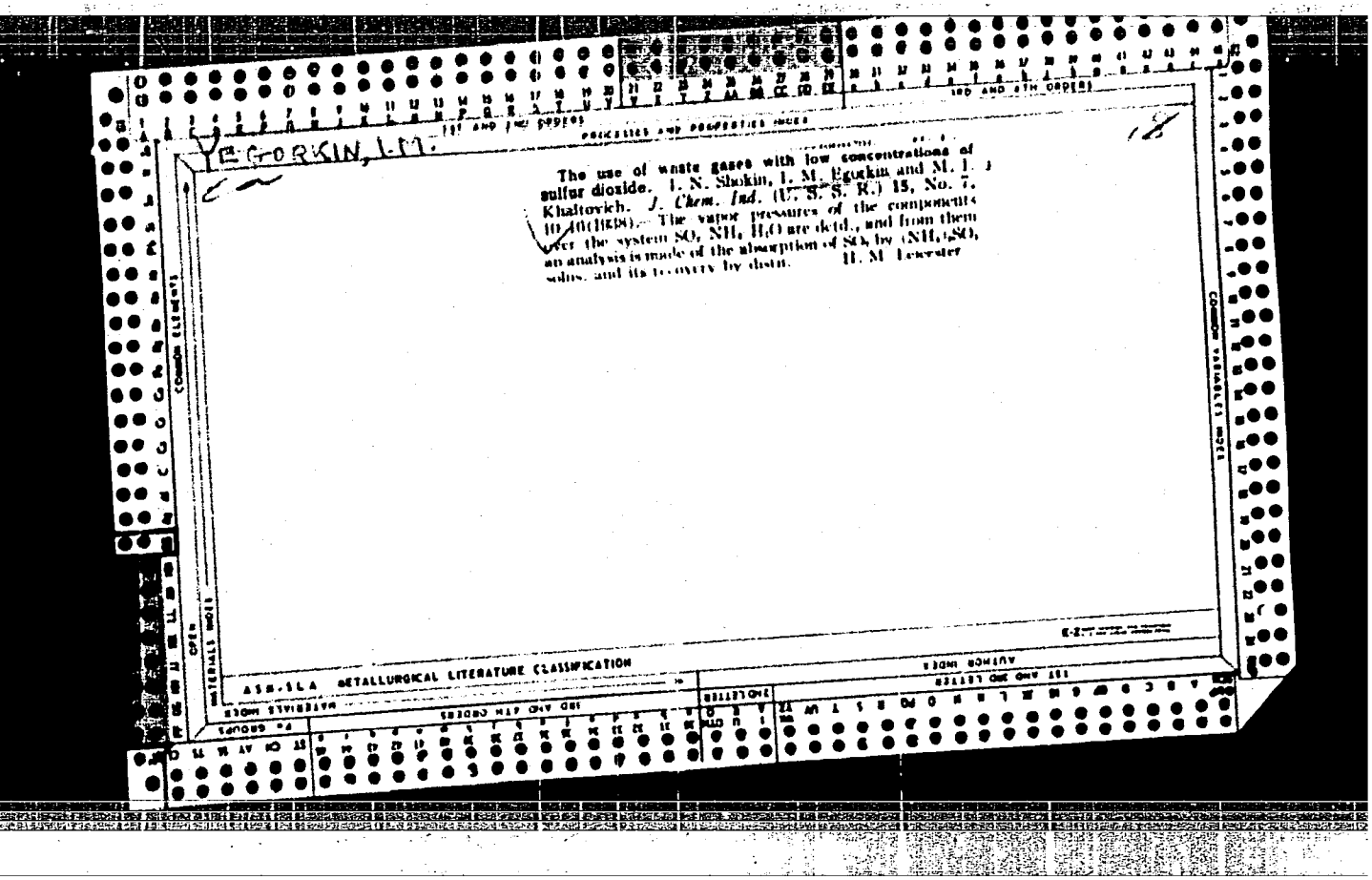
Abs Jour : Ref Zhur - Khimiya, No 10, 1957, 33420

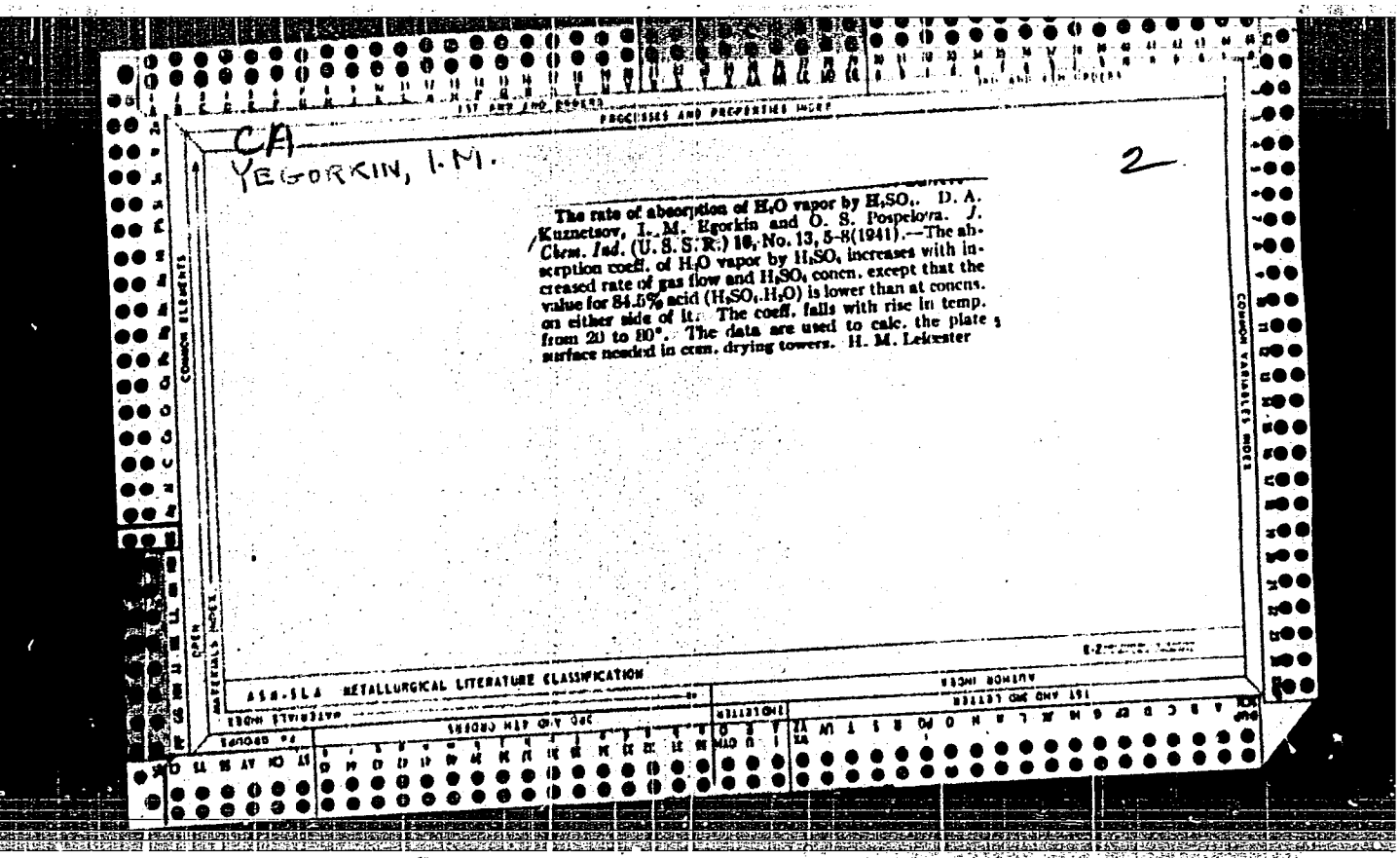
Author : Yegorkin, B.F.
Inst :
Title : About the Tests in Chemistry in the X-th Grade.

Orig Pub : Khimiya v shkole, 1957, No 1, 49-51.

Abstract : A methodical article in connection with the curtailment of the number of tests in schools from the school term 1956/57.

Card 1/1





CA

YEGORKIN, I.M.

2

The rate of absorption of H_2O vapor by H_2SO_4. D. A. Kuznetsov, I. M. Egorkin and O. S. Pospelova. *J. Chem. Ind.* (U. S. S. R.) 18, No. 13, 5-8(1941).—The absorption coeff. of H_2O vapor by H_2SO_4 increases with increased rate of gas flow and H_2SO_4 concn. except that the value for 84.5% acid ($H_2SO_4.H_2O$) is lower than at concns. on either side of it. The coeff. falls with rise in temp. from 20 to 80°. The data are used to calc. the plate surface needed in cons. drying towers. H. M. Leicester

YEGORKIN, N.I., mashinist-instruktor

Work practices at the Pererva electric locomotive depot.
Elek. i tepl. tiaga 2 no.9:30-31 S '58. (MIRA 11:10)
(Pererva--Electric locomotives)

ARKHANGEL'SKIY, Nikolay Andreyevich,; YEGORKIN, N.I., prof., retsenzent,; TATARINOV, A.P., starshiy prepodavatel', retsenzent,; BULGAKOV, N.V., prof., retsenzent,; BORISOVA, G.A., red.; MEDRISH, D.M.,tekhn. red.

[Industrial products, an introductory commodity guide] Vvedenie v tovarovedenie promyshlennykh tovarov. Moskva, Gos. izd-vo torgovoi lit-ry, 1958. 160 p. (MIRA 11:11)

1. Leningradskiy institut sovetskoy torgovli im. Engel'sa (for Yegorkin).
2. Kafedra tovarovedeniya promtovarov LTEI (for Tatarinov).
3. Kafedra tovarovedeniya promtovarov Vsesoyuznogo zaochnogo instituta sovetskoy torgovli (for Bulgakov).
(Commercial products)

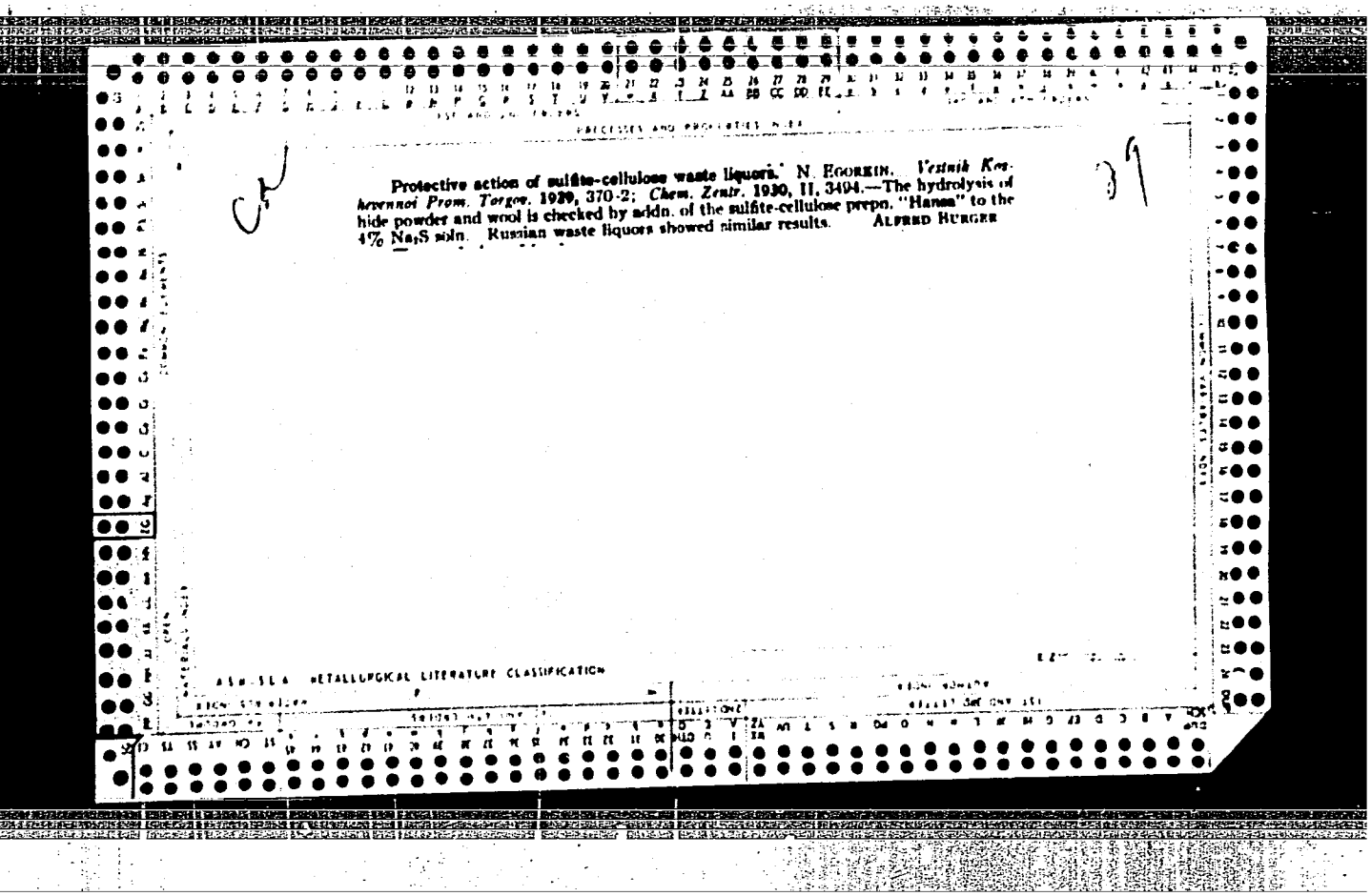
KISELEV, Vasiliy Stepanovich; SHCHEGLOV, Lev Mikhaylovich; ARKHANGEL'SKIY, N.A., prof., red.; KALLIGA, G.P., dotsent, retsenzent; YEGOROV, N.I., prof., retsenzent; DAVANKOV, A.V., dotsent, retsenzent; NOVODEREZHKIN, P.I., dotsent, retsenzent; KUTYANIN, G.I., prof., retsenzent; BULGAKOV, N.V., prof., retsenzent; BORISOVA, G.A., red.; MEDRISH, D.M., tekhn.red.

[Articles made from silicates, plastics and chemical industry products] Tovary silikatnye, iz plasticheskikh mass i khimiko-moskatel'nye. Pod red. N.A. Arkhangel'skogo. Moskva, Gos. izd-vo torg. lit-ry, 1958. 320 p. (MIRA 12:2)

1. Kafedra tovarovedeniya promtovarov Vsesoyuznogo zaochnogo instituta sovetskoy torgovli (for Bulgakov).
(Glassware) (Plastics) (Pottery)

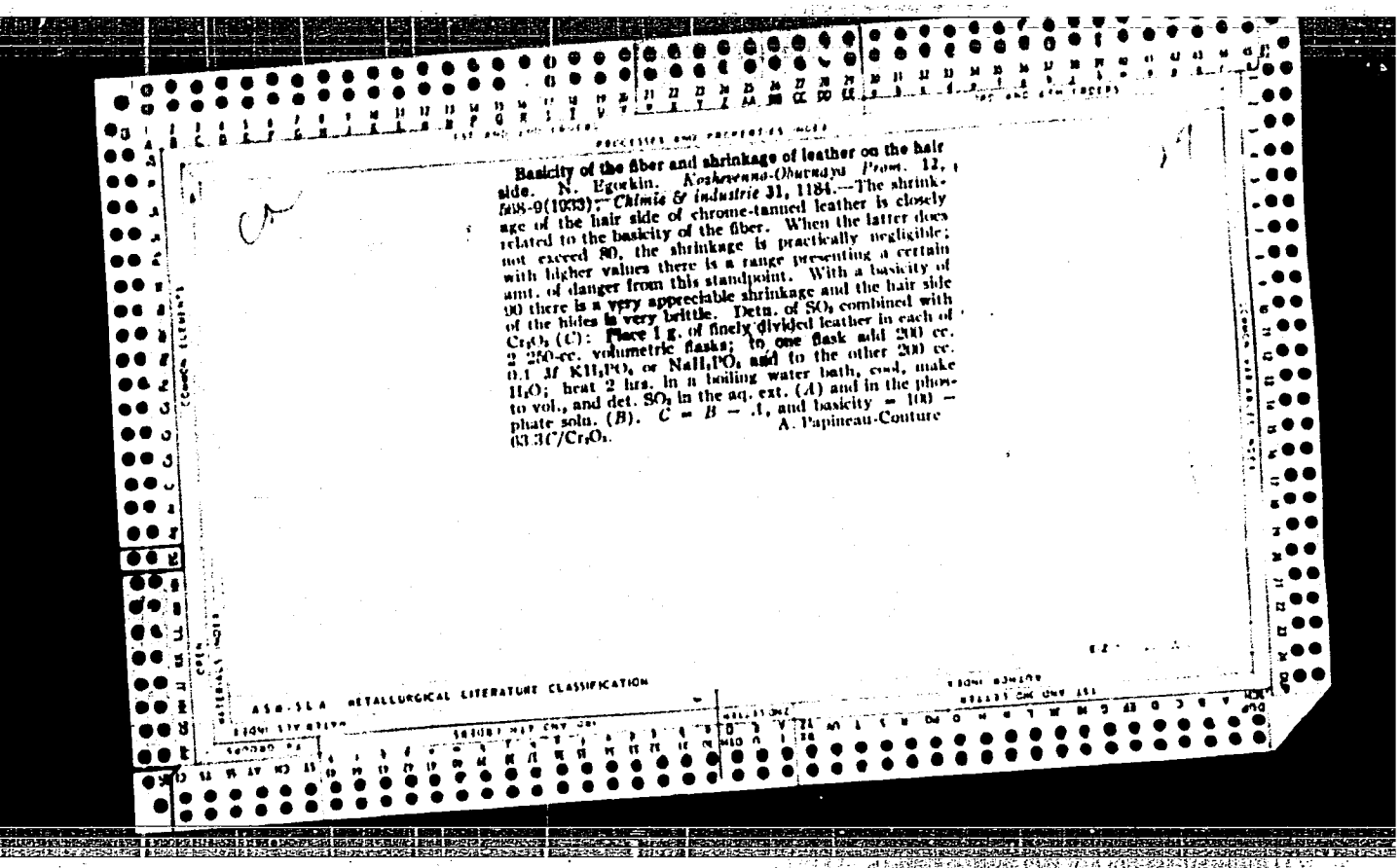
ABATUROV, A.I.; VINOGRADOV, M.A.; DUBROVA, G.B.; LOTOREV, L.M.; ZORIN, S.N.; VASIL'YEV, A.A.; VOLOKITIN, A.S.; BUKOVETSKIY, A.I.; PERMAZKOV, N.S.; MEZENTSEV, P.V.; YEGORKIN, N.I.; DANILOV, M.M.; LUKASHEV, M.Ya.; MEYEROVICH, I.L.; KLYUCHEV, A.Ye.; SARYCHEV, V.G.; ZAVILOVICH, M.A.; NOVOSEL'SKIY, N.M.; GITLITS, S.A.; REZNICHENKO, M.S.; MOROZ, L.P.; KHETAGUROVA, F.V.; CHOGOVADZE, Sh.K.; RYBCHENKO, A.A.; BOCHAROVA, N.P.; GAGLOYEVA, N.A.; KRYUKOVA, T.B.

Rubinshtein, Grigorii Leonidovich; 1891-1959. Sov. torg. 33 no.12:56 D '59. (MIRA 13:2)
(Rubinshtein, Grigorii Leonidovich, 1891-1959)



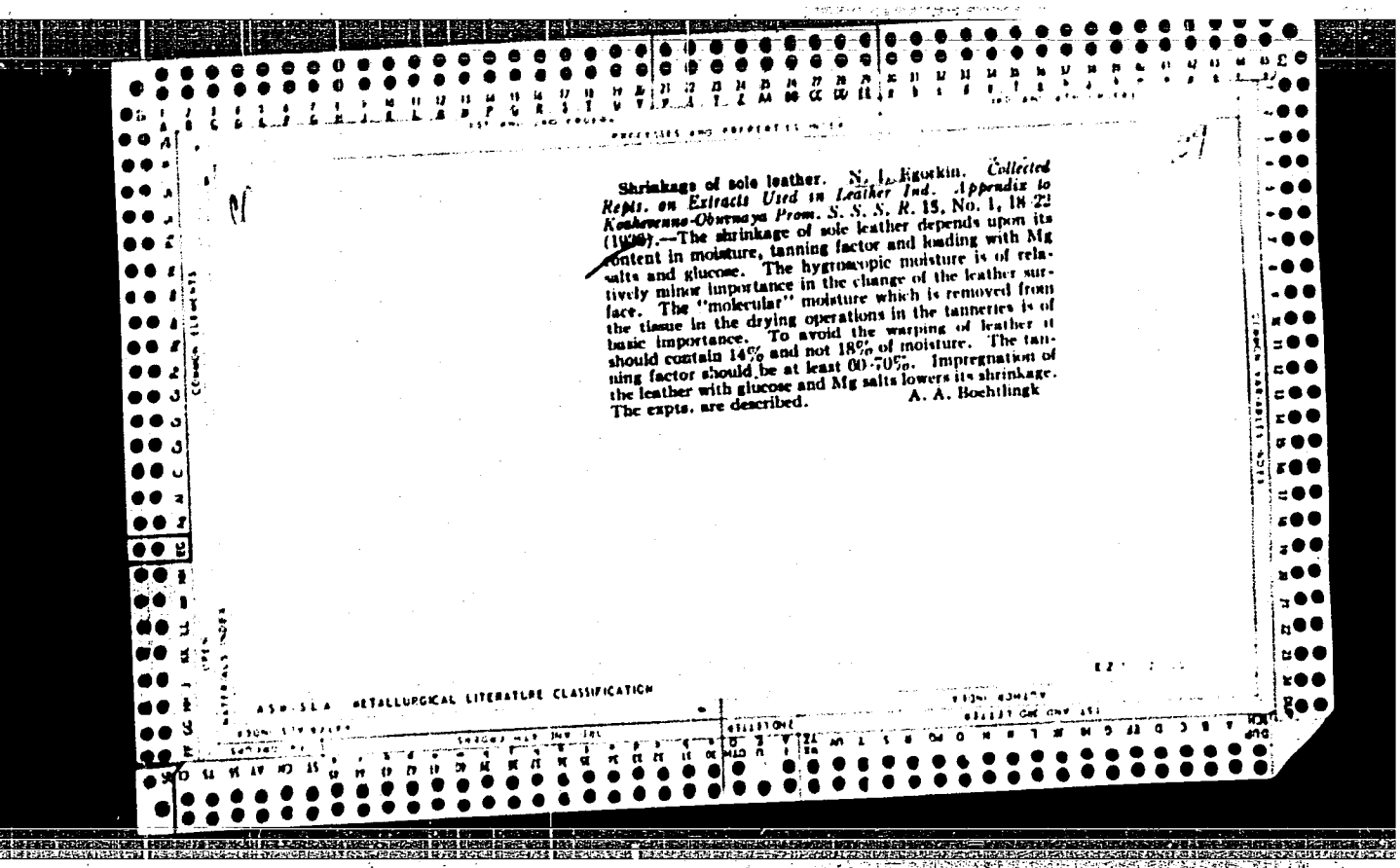
Protective action of sulfite-cellulose waste liquors. N. Egorkin. *Vestnik Kozhevennoi Prom. Torgov.* 1929, 370-2; *Chem. Zentr.* 1930, II, 3494.—The hydrolysis of hide powder and wool is checked by addn. of the sulfite-cellulose prepn. "Hanna" to the 4% Na_2S soln. Russian waste liquors showed similar results. Alfred Burger

METALLURGICAL LITERATURE CLASSIFICATION

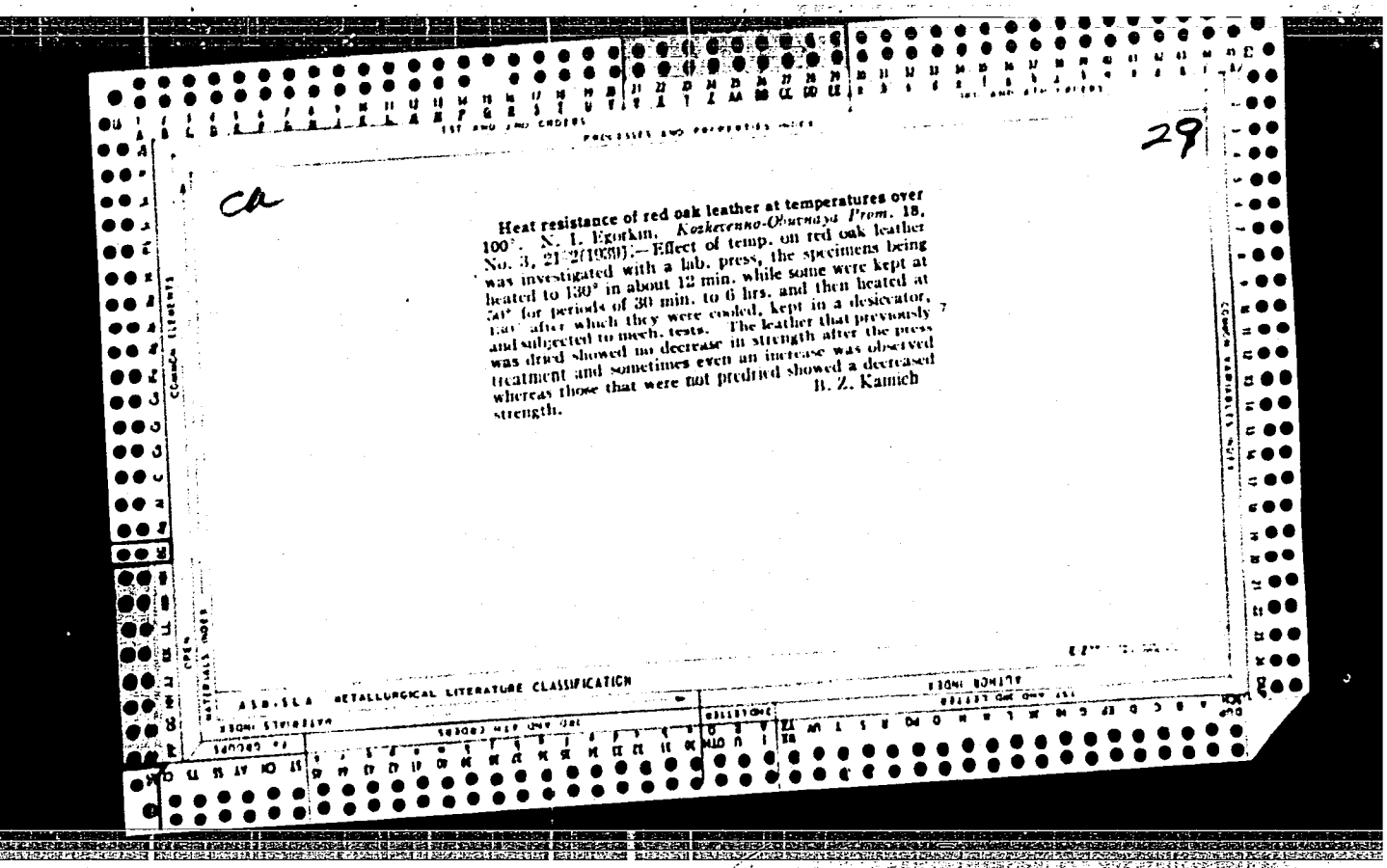


Basicity of the fiber and shrinkage of leather on the hair side. N. Egorkin. *Kozhevenno-Obuvnaya Prom.* 12, 7-8(1933).—*Chimie & industrie* 31, 1184.—The shrinkage of the hair side of chrome-tanned leather is closely related to the basicity of the fiber. When the latter does not exceed 80, the shrinkage is practically negligible; with higher values there is a range presenting a certain amt. of danger from this standpoint. With a basicity of 90 there is a very appreciable shrinkage and the hair side of the hides is very brittle. Detn. of SO_3 combined with Cr_2O_3 (*C*): Place 1 g. of finely divided leather in each of 2 250-cc. volumetric flasks; to one flask add 200 cc. 0.1 *M* KH_2PO_4 or NaH_2PO_4 and to the other 200 cc. H_2O; heat 2 hrs. in a boiling water bath, cool, make to vol., and det. SO_3 in the aq. ext. (*A*) and in the phosphate soln. (*B*). $C = B - A$, and basicity = 100 − (33.3*C*/Cr_2O_3).

A. Papineau-Couture



Shrinkage of sole leather. N. I. Egorkin. *Collected Repts. on Extracts Used in Leather Ind. Appendix to Kozhevenno-Obuvnaya Prom. S. S. S. R.* 15, No. 1, 18-22 (1938).—The shrinkage of sole leather depends upon its content in moisture, tanning factor and loading with Mg salts and glucose. The hygroscopic moisture is of relatively minor importance in the change of the leather surface. The "molecular" moisture which is removed from the tissue in the drying operations in the tanneries is of basic importance. To avoid the warping of leather it should contain 14% and not 18% of moisture. The tanning factor should be at least 60–70%. Impregnation of the leather with glucose and Mg salts lowers its shrinkage. The expts. are described. A. A. Boehtlingk



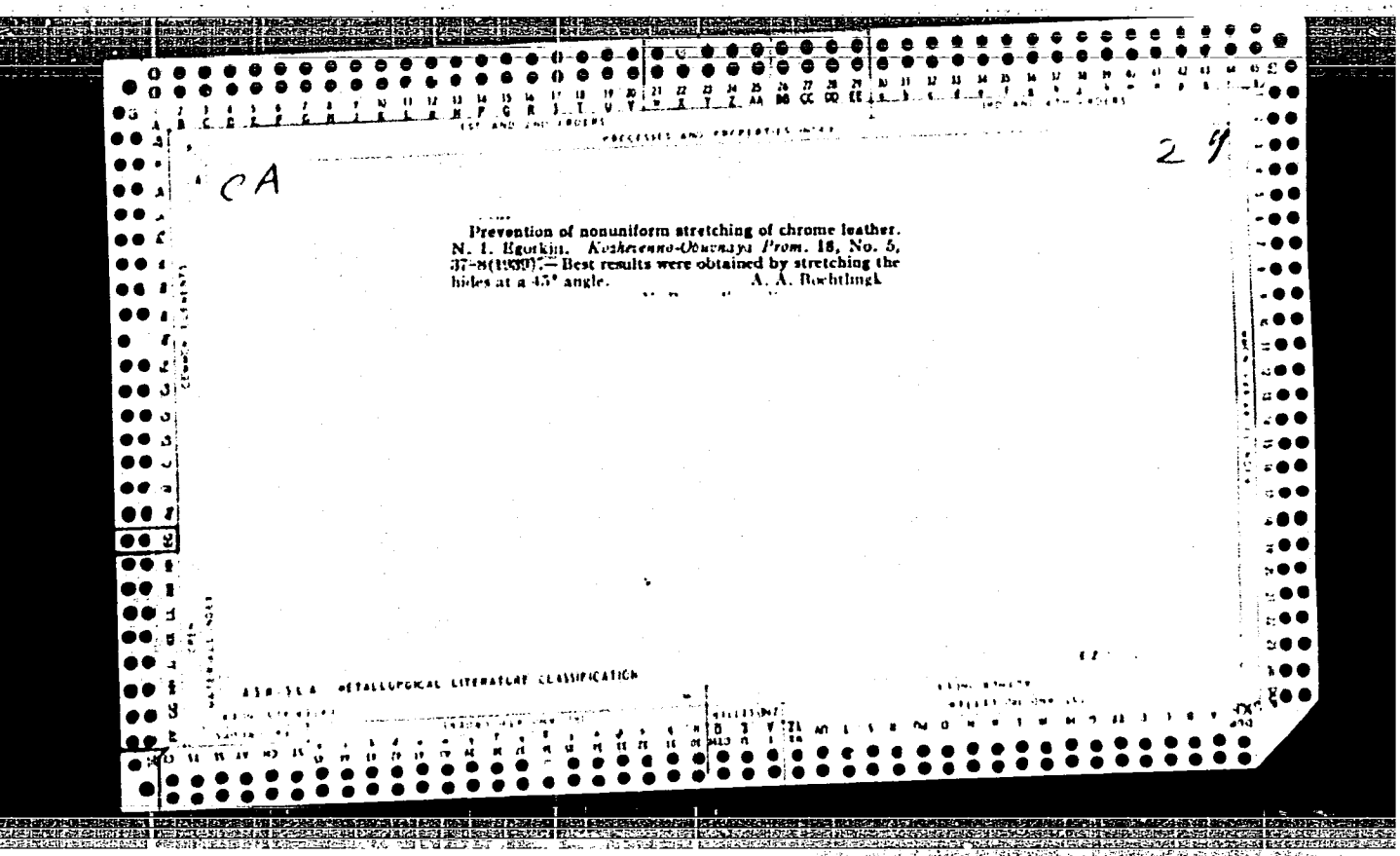
29

Ca

Heat resistance of red oak leather at temperatures over 100°. N. I. Egorkin. *Koszhevno-Obuvnaya Prom.* 18, No. 3, 21–2(1939).—Effect of temp. on red oak leather was investigated with a lab. press, the specimens being heated to 130° in about 12 min. while some were kept at 130° for periods of 30 min. to 6 hrs. and then heated at 130° after which they were cooled, kept in a desiccator, and subjected to mech. tests. The leather that previously was dried showed no decrease in strength after the press treatment and sometimes even an increase was observed whereas those that were not predried showed a decreased strength.

H. Z. Kamich

A58-51A METALLURGICAL LITERATURE CLASSIFICATION



CA

29

Prevention of nonuniform stretching of chrome leather. N. I. Egorkin. *Kozhevenno-Obuvnaya Prom.* 18, No. 5, 37–8(1939).—Best results were obtained by stretching the hides at a 45° angle. A. A. Boehtlingk

YEGORKIN, N.I.

Leather Industry and Trade

Evaluating the properties of coating films, Leg. prom. 12 No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1952 Unclassified.

Egorkin N. I.

Formaldehyde-tanned white shoe leather. N. I. Egorkin and M. A. Memedov. *Legkaya Prom.* 14, [illegible] (1954). Optimum tanning conditions are pH of soln. 6.7, [illegible] temp. [illegible] and [illegible]. Resistance against repeated bending was higher than for chrome-tanned leather, thickness decrease was 15-20% greater and area yield somewhat greater. Water absorption and permeability were somewhat higher than for chrome-tanned leather but air permeability was lower. [illegible] was somewhat lower than for chrome leather. B. K. Kamach

YEGORKIN, N.I.

YEGORKIN, N.I., professor; MAMEDOV, M.A., kandidat tekhnicheskikh nauk.

Producing white leather from pigskins by formaldehyde tanning. Leg. prom.15 no.1:19 Ja '55. (MLRA 8:3)
(Leather industry)

YEGORKIN, N.I.

Effect of relaxation in chrome leather on its useful properties. Leg. prom. 16 no.7:23-25 Jl '56. (MLRA 9:10)

(Tanning) (Shoe industry)

YEGORKIN, Nikolay Ivanovich; MAMEDOV, Mageram Ali-ogly; ROKHVARGER, Ol'ga Davydovna; VOLKOV, V.A., retsenzent; TORMOZOVA, L.I., redaktor, KOGAN, V.V., tekhnicheskiy redaktor

[Formaldehyde tanning] Formal'degidnoe dublenie. Moskva, Gos. nauchno-tekhn. izd-vo M-va legkoi promyshl.SSSR, 1957. 159 p. (MLRA 10:7)
(Tanning) (Formaldehyde)

CHERNOV, Nikolay Vladimirovich; ARONINA, Yuliya Naumovna; GAYDAROV, Leonid Petrovich; GOLOVTEYEVA, Alevtina Alekseyevna; STRAKHOV, Ivan Pavlovich; SHESTAKOVA, Irina Sergeyevna; YEGORKIN, N.I., prof., retsenzent; KOTOV, M.P., prof., retsenzent; PLEMYANNIKOV, M.N., red.; KNAKNIN, M.T., tekhn.red.

[Leather and fur technology] Tekhnologiia kozhi i mekha. Pod obshchei red. N.V.Chernova. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po legkoi promyshl., 1959. 719 p. (MIRA 13:2)

1. Kafedra tekhnologii kozhi i mekha Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti (for Chernov, Aronina, Gaydarov, Golovteyeva, Strakhov, Shestakova).
(Leather) (Fur)

YEGORKIN, N.I.; SIRENKO, M.P.

Coating films for chrome leather made from carboxyl-containing latexes. Kozh.-obuv.prom. 2 no.3:28-29 Mr '60. (MIRA 14:5)
(Leather) (Latex)

VINOGRADOV, Aleksandr Petrovich; KEDRIN, Yevgeniy Alekseyevich; TSEREVITINOV, Boris Fedorovich; SERGEYEV, M.Ye., zasl. deyatel' nauki, prof., doktor tekhn. nauk, retsenzent; BULGAKOV, N.V., prof., doktor tekhn. nauk, retsenzent; PLATUNOV, K.M., kand. tekhn. nauk, retsenzent; SHVETSOVA, T.P., inzh., retsenzent; MURVANIDZE, D.S., inzh., retsenzent; YEGORKIN, N.I., prof., doktor tekhn. nauk, retsenzent; MASHKOV, A.N., kand. sel'khoz. nauk, retsenzent; ARKHANGEL'SKIY, N.A., prof., red.; BORISOVA, G.A., red.; GROMOV, A.S., tekhn. red.

[Leather goods, shoes, furs and pelts] Kozhevenno-obuvnye, pushno-mekhovye i ovchinno-shubnye tovary. Pod red. N.A.Arkhangel'skogo. Moskva, Gos. izd-vo torg. lit-ry, 1962. 536 p. (MIRA 15:3)

(Boots and shoes) (Fur) (Hides and skins)

SOV/28-58-5-12/37

AUTHOR: Dvuzhil'naya, M.M., Candidate of Technical Sciences; Yegorkin, P.A., Engineer

TITLE: Determining the Clinkering Tendency of Coal from the Donets Basin by the Rog Method (Opredeleniye spekayemosti ugley Donetskogo basseyna po metodu Roga)

PERIODICAL: Standartizatsiya, 1958, 22 Nr 5, pp 44 - 46 (USSR)

ABSTRACT: The DonUGI carried out tests of anthracites from the Donets Coal Basin to select a standard corresponding to the anthracite from the West German "Sophie Jakob" Mine, accepted as the standard for an inert impoverishing additive. The most suitable coal for test purposes was found to be that from the "Ivan" Mine of the Sovetugol' Trust, a comparatively poor coal. The clinkering tendency was determined by both the Rog and the plastometric method and the respective results drawn up in tables for comparison's sake. The tables show that the Rog index

Card 1/2

Determining the Clinkering Tendency of Coal from the Donets Basin by the Rog Method

differentiates well the low-clinkering coals with a high degree of metamorphism. However, coals with high clinkering properties and an average degree of metamorphism are quite satisfactorily differentiated by the plastometric method and do not lend themselves to classification by the Rog method. There are 4 tables and 2 graphs.

ASSOCIATION: Donetskiy nauchno-issledovatel'skiy ugol'nyy institut (Donets Coal Scientific-Research Institute)

1. Coal--Chemical reactions 2. Coal--Test results

DVUZHIL'NAYA, N.M., kand.tekhn.nauk; YEGORKIN, P.A., inzh.

Using "Rog method" in determining coking properties of the Donets Basin coal. Standartizatsiia 22 no.5:44-46 S-O '58. (MIRA 11:11)

1. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut.
(Donets Basin--Coal--Testing)

DVUZHIL'NAYA, N.M., kand.tekhn.nauk; YEGORKIN, P.A., inzh.

Determining the coking capacity of Donets Basin coals by the Roga method. Sbor.SonUGI no.18:126-135 '59. (MIRA 13:1)
(Donets Basin--Coal)

DVUZHIL'NAYA, N.M., kand. tekhn. nauk; YEGORKIN, P.A., inzh.

Varieties of Donets Basin anthracites which can be thermally treated and used as raw material in the manufacture of electrodes. Sbor. DonUGI no.25:121-128 '62. (MIRA 16:6)

(Electrodes, Carbon)
(Donets Basin—Anthracite coal)

DVUZHIL'NAYA, N.M., kand. tekhn. nauk; YEGORKIN, P.A., inzh.

Heat of burning of damp ashless coal; problem of establishing a class for Donets coals in accordance with the international classification. Sbor. DonUGI no.25:10-16 '62. (MIRA 16:6)

(Donets Basin—Coal—Classification)

GRABETSKIY, A.; YEGORKIN, V.

Remarks concerining chemistry textbooks for secondary schools.
Khim. v shkole 14 no.1:90-94 Ja-F '59. (MIRA 12:2)
(Chemistry--Textbooks)

YEGORKIN, V. F.

Uroki khimii v VII klasse. V pomoshch'uchiteliu /Chemistry lessons for the 7th. grade; guide for teachers/. Moskva, Akad. ped. nauk RSFSR, 1952. 138 p. (Ped. b-ka uchitelia)

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

YEGORKIN, V.F.

Chemistry - Study and Teaching

At a teachers's conference of a province. Khim. v shkole no. 2, 1952.

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

YEGORKIN, V. F.

Chemistry - Study and Teaching

In the Yaroslavl' methodological teachers' asscciation. Khim v shkol no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

YEGORKIN, V.F.

Conference sponsored by the Ministry of Education of the R.S.F.S.R. Khim.v shkole no.6:72-75 N-D '53. (MLRA 6:11)
(Chemistry--Study and teaching)

YEGORKIN, V.F.

Summer conferences of chemistry teachers. Khim. v shkole 9 no.4:80 Jl-Ag '54. (MLRA 7:8)

1. Metodist Ministerstva prosveshcheniya RSFSR.
(Chemistry--Study and teaching)

YEGORKIN, V.F.

Repetition in chemistry lessons. Khim.v shkole 9 no.5:20-25 S-O '54. (MLRA 7:9)

1. Zaslushennyy uchitel' shkoly RSFSR.
(Chemistry--Study and teaching)

YEGORKIN, V.F.

Automatic signal control in hopper filling. Rats. i izobr.predl. v stroi. no.89:27-28 '54. (MLRA 9:6)
(Automatic control) (Hoppers)

YEGORKIN,V.F., zasluzhennyy uchitel' shkoly RSFSR

A new handbook on educational aids in chemistry. "School equipment for chemistry courses in high schools" A.A.Grabetskii, K.IA. Parmenov. Reviewed by V.F.Egorkin. Khim. v shkole 10 no.5:69-70 S-O '55. (MLRA 8:11)
(Chemistry--Study and teaching) (Grabetskii, A.A.) (Parmenov,K.Ia)

YEGORKIN, Vasiliy Fedorovich, zaslushennyy uchitel' shkoly RSFSR; DMITRIYENKO, G.V., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor.

[Chemistry lessons for class 7; aid for teachers] Uroki khimii v VII klasse; posobie dlia uchitelia. Izd.3-e. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1956. 141 p. (MLRA 9:6)
(Chemistry)

YEGORKIN, Vasiliy Fedorovich; KIRYUSHKIN, Dmitriy Maksimovich; POLOSIN, Viktor Semenovich; GRABETSKIY, A.A., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor.

[Practical work in chemistry outside class; a manual for students in secondary schools] Vneklassnye prakticheskie zaniatiia po khimii; rukovodstvo dlia uchashchikhsia srednei shkoly. Pod obshchei red. A. M.Kiriushkina.. Moskva,Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1956. 263 p. (MLRA 10:4)

(Chemistry--Laboratory manuals)

YEGORKIN, V.F. (Moskva)

Study of the subject "Oxides, bases, acids, and salts" in the seventh grade. Khim.v shkole 10 no.3:26-32 My-Je '56. (MLRA 9:8)

1. Zasluzhenyy uchitel' shkoly RSFSR.
(Chemistry--Study and teaching)

YEGORKIN, V.F.; KOTLYROVA, O.S.; SAVICH, T.Z.

Results of chemistry examinations. Khim.v shkole 11 no.5:77-79 S-O '56. (MLRA 9:11)
(Chemistry--Examinations, questions, etc.)

YEGORKIN, V.F., zasluzhennyy uchitel' shkoly RSFSR.

Examinations on chemistry in the class 10th. Khim. v shkole 12 no.1:49-51 Ja-F '57. (MLRA 10:3)
(Chemistry--Examinations, questions, etc.)

YEGORKIN, V.F.

Exemplary planning of a course of studies in chemistry for the first semester of 1957-58. Khim.v shkole 12 no.4:74-76 Jl-Ag '57. (MLRA 10:8)

(Chemistry--Study and teaching)

YEGORKIN, V.

Chemistry laboratory assistant. Khim. v shkole. no.2:76 Mr-Ap '58. (MIRA 11:3)

1. Konsul'tant-metodist khimii Ministerstva prosveshcheniya RSFSR.
(Chemists)

YEGORKIN, V., konsul'tant-metodist.

Chemical examinations in the 1957-1958 school year. Khim. v shkole. no.2:77 Mr-Ap '58. (MIRA 11:3)
(Chemistry--Examinations, questions, etc.)

YEGORKIN, V. F.

YEGORKIN, V.F., zasluzhennyy uchitel' shkoly RSFSR

Some results in teaching chemistry during the 1956-57 academic year. Khim.v shkole 12 no.6:74-78 N-D '57. (MIRA 10:12)
(Chemistry--Study and teaching)

YEGORKIN, V.F., zasluzhennyy uchitel' shkoly RSFSR.

Model planning of the teaching material on chemistry in the eighth grade for the 1962-1963 school year. Khim. v shkole 17 no.5:86-88 S-O '62. (MIRA 15:9)
(Chemistry--Study and teaching)

BROVKO, Aleksey Petrovich; VORONTSOV, V.G., retsenzent; [illegible]
V.Ye., retsenzent; ZAKHAROV, A.P., retsenzent; KROPACHEV,
V.P., retsenzent; PASTUKHOV, N.V., retsenzent;
PEREGUDOV, V.V., retsenzent; PONOMAREV, V.A., retsenzent;
RUDEV, A.M., retsenzent; KHROPUNSKIY, Ye.A., retsenzent;
SMIRNOV, A.A., inzh., retsenzent

[Contact networks in strip mines] Kontaktnaia set' na kar'erakh. Moskva, Nedra, 1964. 207 p. (MIRA 18:2)

1. Inzhenerno-tekhnicheskiye rabotniki Korkinskogo tresta ugol'nykh predpriyatiy (for all except Brovko).

PISKUNOVA, G.A.; YEGORKINA, D.A.; ZHDANOV, V.M.

Two types of bone marrow cell differentiation in vitro. Vop. virus. 7 no.3:349-355 My-Je '62. (MIRA 16:8)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR, Moskva.
(MARROW) (TISSUE CULTURE)

POMERANTSEVA, I.V.; MOZZHENKO, A.N.; SOKOLOVA, I.A.; YEGORKINA, G.V.

Use of the "Zemlya" seismologic station for the study of the structure of the southeast of the Russian Platform. Dokl. AN SSSR 163 no.1: 171-174 Jl '65. (MIRA 18:7)

1. Submitted December 8, 1964.

L 06141-67 EWT(1) GW

ACC NR: AR6017546 SOURCE CODE: UR/0169/66/000/001/G017/G017

AUTHOR: Pomerantseva, I.V.; Mozzhenko, A.N.; Sokolova, I. A.; Yegorkina, G. V.

TITLE: Regional research with seismological stations "Zemlya" 27 13

SOURCE: Ref. zh. Geofizika, Abs. 1G118

REF SOURCE: Tr. Nizhne-Volzhsk. n.i. in-t geol.i geofiz., vyp.2, 1964, 210-219

TOPIC TAGS: Earth, Earth core structure, ~~Earth~~ upper mantle, ~~structure~~, seismology, earthquake, seismologic station

ABSTRACT: Results are reported on regional research in the SE of the Russian platform concerning methodology for the study of the Earth core structure and upper mantle of the Earth by the seismological stations "Zemlya". With their aid it is possible to record waves on a magnetic film in a frequency range between .5 and 12 cycles. Rewriting of the field data at various frequency filtrations permits frequency analysis of the registered waves. Transformation of frequencies is used with the rewriting, permitting separation of waves with a fraction of a cycle frequency differences. Amplification of the station is 600,000 to 1,000,000. With the aid of the station, a reliable registration of earthquakes with epicentral distances of 11,000 to 14,000 km (Chile, Tonga islands), and explosions of 3t and over at distances of 200-300 km is possible. 1 to 10 events are usually registered during a 24 hour period. Earthquakes with epicentral distances of 200-800 km appear within the Ural region, nearer earthquakes take place wi-

Card 1/2 UDC 550,340

L 06141-67

ACC NR: AR6017546

thin the Russian platform limits. The obtained records of longitudinal, transverse and exchange waves enable the construction of an idea as to the structure of the Earth core and upper mantle. [Translation of abstract].

SUB CODE: 03, 08/

Card 2/2 mfe

Yegorkina, L.I.

ITSKOVICH, Aleksandr Mikhaylovich; YEGORKINA, L.I., redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor; EL'KIND, V.D., tekhnicheskiy redaktor

[Technical thermodynamics] Tekhnicheskaia termodinamika. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 191 p. (MLRA 10:7)
(Thermodynamics)

Yegorkina, L.I.

ZISLIN, Samuil Grigor'yevich; IRKHIN, Ivan Vasil'yevich; PODOL'SKIY, Vladimir Ivanovich; PROSVIRNIN, Aleksandr Dmitriyevich; BORISOV, N.I., red.; YEGORKINA, L.I., red.; UVAROVA, A.F., tekhn.red.

[Collection of chassis designs for GAZ-51, GAZ-63, GAZ-63A automobiles; plans for assembling and constructing] Atlas konstruktsii shassi avtomobilei GAZ-51, GAZ-63, GAZ-63A; chertezhi uzlov i rabochie chertezhi detalei. Pod obshchei red. N.I.Borisova. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroi. lit-ry, 1957. 215 p. (MIRA 10:12)
(Motortrucks--Bodies)

YEGORKINA, L.I.

POGODIN-ALEKSEYEV, G.I., prof., doktor tekhn.nauk, red.; YEGORKINA, L.I., red.; TIKHANOV, A.Ya., tekhn.red.

[Heat treatment and the strength of metals and alloys] Termicheskaia obrabotka i prochnost' metallov i splavov; sbornik statei. Pod red. G.I.Pogodina-Alekseeva. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 177 p. (MIRA 11:3)

1. Moscow. Moskovskoye vysshaye tekhnicheskoye uchilishche.
(Metals--Heat treatment)

L'VOV, Yevgeniy Dmitriyevich, prof., doktor tekhn.nauk, zasluzhennyy deyatel' nauki i tekhniki RSFSR; [illegible], L.I., inzh., red.; SOKOLOVA, T.F., tekhn.red.

[Theory of tractors] Teoriia traktora. Izd.5., perer. i sokrashchennoe. Leningrad, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 252 p. (MIRA 14:2)
(Tractors)

KRAGEL'SKIY, Igor' Viktorovich; VINOGRADOVA, Irina Ernestovna; VASIL'YEV, I.V., inzh., retsenzent; YEGORKINA, L.I., inzh., red.; SMIRNOVA, G.V., tekhn. red.

[Friction coefficients; manual] Koeffitsienty treniia; spravochnoe posobie. Izd.2., perer. i dop. Moskva, Mashgiz, 1962. 217 p. (MIRA 15:7)
(Friction)

ORLOV, Sergey Panteleymonovich; AVDEYEV, Boris Aleksandrovich; GAUZNER, S.I., inzh., retsenzent; YEGORKINA, L.I., red.; EL'KIND, V.D., tekhn. red.

[Weighing equipment in enterprises; manual] Vesovoe oborudovanie predpriiatii; spravochnoe posobie. Moskva, Mashgiz, 1962. 406 p. (MIRA 15:7)

(Weighing machines)

KHANIN, N.S.; CHISTOZVONOV, S.B.; AGEYEV, I.K., kand. tekhn. nauk, retsenzent; YEGORKINA, L.I., inzh., red.; SALAZKOV, N.P., tekhn. red.

[Rotating piston engines for motor vehicles] Avtomobil'nye rotorno-porshnevye dvigateli. Moskva, Mashgiz, 1964. 183 p. (MIRA 17:4)

KORCHEMNYY, L.V.; GUTERMAN, I.I., kand. tekhn. nauk, red.;
YEGORKINA, L.I., red.izd-va; DEMKINA, N.F., tekhn.red.;
MAKAROVA, L.A., tekhn. red.

[Mechanism of the gas distribution in an engine; kinematics, dynamics, strength calculation] Mekhanizm gazoraspredeleniia dvigatelia; kinematika, dinamika, raschet na prochnost'. Moskva, Mashinostroenie, 1964. 209 p. (MIRA 17:3)

POKROVSKIY, G.P.; VIKHMAN, V.S., doktor tekhn. nauk, retsenzent;
YEGORKINA, L.I., inzh., red.

[Use of electronic control in automobile engine fuel systems] Primenenie elektroniki v sistemakh pitaniia avtomobil'nykh dvigatelei. Moskva, Izd-vo "Mashinostroenie, 1964. 98 p. (MIRA 17:5)

YEKORKINA, N. D.

"Obtaining the Bimetal Steel-Bronze AZh9-4 and an Investigation of the Possibility of Rolling It." Cand Tech Sci, Moscow Inst of Nonferrous Metals and Gold imeni M. I. Kalinin, Min Higher Education USSR, Moscow, 1955. (KL, No 11, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

66522

SOV/137-59-7-16082

18.7200

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 7, p 262 (USSR)

AUTHORS: Severdenko, V.P., and Yegorkina, N.D.

TITLE: Steel-Bronze "AZh9-4" Bimetal

PERIODICAL: Sb. nauchn. tr. Nauchno-tekhn. o-vo tsvetn. metallurgii, Mosk. in-t tsvetn. met. i zolota, 1958, Nr 29, pp 227 - 251

ABSTRACT: "AZh9-4" steel-bronze bimetal was obtained by casting molten bronze on a steel blank placed into a graphite mold, heated up to 970 - 1,000°C. The bronze temperature was 1,200 - 1,220°C. The steel blank was heated-up together with the mold. The cohesion of layers was firm; lamination was not observed neither in turning cylindrical ingots on a lathe with eccentricity nor in destruction along the diameter under a press. The strong connection of metals was obtained by diffusion of bronze (Al and Cu) in steel and by steel diffusion in bronze; chemical analyses of the bronze layer at a 1.3 - 1.5 mm distance from the layer boundary proved increased Fe-percentage, which was twice as high as the initial content. Hot rolling of 12 x 26 x 100 mm and of 13 x 50 x 100 mm bimetal ingots revealed that the relative shrinkage of bronze was higher than that of

Card 1/2

Steel-Bronze "AZh9-4" Bimetal

steel and of the total relative shrinkage of the bimetal. The average specific bimetal pressure on the rollers as a function of shrinkage, was between the average specific pressure for steel and bronze. Bimetal expansion had a middle value between steel and bronze expansion. In cold rolling relative shrinkage of steel in the bimetal was higher than the relative bronze shrinkage and than the total relative shrinkage. "AZh9-4" bronze can be subjected to rolling in a cold state up to 30% shrinkage (in one pass); bimetallic strips of the same dimensions were subjected to high shrinkage rolling without destruction of the bronze constituent. Pipe ingots can be rolled, without occurrence of lamination, in hot state on grooved rollers (with a long mandrel or without it) and on a piercing mill with a mandrel; all-bimetal ingots can be rolled on a piercing mill (with or without a mandrel). In cold state pipe blanks can be rolled by the reduction method on grooved rolls.

P.G.

Card 2/2

YEGORKINA, N.D.

Chilling molding mixtures by means of cast iron shot. Lit.proizv. no.7:40-41 Je '60. (MIRA 13:7)
(Sand, Foundry)

YEGORKINA, N.D.; DENISOVA, Z.I.

Composition of gases released by binders. Lit.proizv. no.3:45 Mr '62. (MIRA 15:3)
(Binding materials) (Gases--Analysis)

YEGORKINA, V.M., inzh.

Comparative evaluation of methods for determining the acidity of coals in the coal bed. Sbor.DonUGI no.18:163-169 '59. (MIRA 13:1)

(Coal--Analysis)

YEGORKINA, V.M., inzh.

Characteristics of Ukrainian lignites. Sbor. DonUGI no.25: 16-23 '62. (MIRA 16:6)
(Ukraine—Lignite)

YEGORKINA, V.M., inzh.; GUMENKO, V.A., inzh.

Method of determining the true specific weight as suggested by the A.A. Skochinskii Institute of Mining. Sbor. DonUGI no.25:51-52 '62. (MIRA 16:6)

(Donets Basin—Coal research)

UDINTSEV, G.N.; ANAN'INA, Z.N.; ANDREYEVA, A.G.; BLANK, V.B.; GAYLAN, Ya.I.; YEGOR'KOVA, A.S.; ZUBZHITSKIY, Yu.N.; IL'INA, N.D.; KAMRAZ, I.V.; KARRO, L.M.; MIROYEVSKAYA, Z.Ye.; NECHAYEVA, Ye.A.; PARNOY, B.S.

Influenza in 1957 from data of the hospital therapeutic clinic of the Leningrad Institute of Sanitation and Hygiene. Sov.med. 23 no.10:67-70 O '59. (MIRA 13:2)

1. Iz gospital'noy terapevticheskoy kliniki (zaveduyushchiy - chlen-korrespondent AMN SSSR prof. G.N. Udintsev) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(INFLUENZA statistics)

YEGORNEKO, G.A.; VABEL', Ya.I.; ANTONOV, I.S.

Phase equilibria in the system $NaBH_4$ - NH_3. Zhur.neorg.khim. 7 no.10:2419-2425 O '62. (MIRA 15:10)
(Sodium borohydride) (Ammonia) (Phase rule and equilibrium)

GREBENYUK, V.A.; FUSTOVALOV, A.I.; YEROFEYEV, I.Ye.; KARABACH, T.L.; TURGAMBAYEV, B.M.; BOSYAKOV, P.Ye.; YERMOLAYEV, A.G.; FOMENKO, V.D.; YEGOROCHKIN, A.A.; GROMOV, D.I.; ZHUYKO, Yu.P.; PANOV, S.A.;

[Twenty-second Congress of the Communist Party of the Soviet Union Mine] Rudnik imeni XXII s"ezda KPSS. Moskva, Nedra, 1964. 87 p. (MIRA 17:10)

1. Russia (1917- R.S.F.S.R.) Vostochno-Kazakhstanskiy ekonomicheskiy rayon. Zyr'yanovskiy svintsovyy kombinat.

KOLOKOL'TSEV, Ye.F.; YEGOROCHKIN, A.N.; ZHARKOV, V.V.

Use of molecular spectral analysis for identifying some species of fungi. Sud.-med. ekspert. 4 no.3:35-38 Jl-S '61. (MIRA 14:10)

1. Kafedra sudebnoy meditsiny (zav. - prof. A.I.Zakonov) Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova i spektral'naya laboratoriya (zav, - dotsent N.K.Rudnevskiy) Gor'kovskogo nauchno-issledovatel'skogo instituta khimii.

(FUNGI) (SPECTRUM, MOLECULAR)

KHIDEKEL', M.L.; YEGOROCHKIN, A.N.; PONOMARENKO, V.A.; ZADOROZHNYY, N.A.; RAZUVAYEV, G.A.; PETROV, A.D.

Nuclear magnetic resonance of silicon hydrides. Izv. AN SSSR. Otd.khim.nauk no.6:1130-1132 Je '63. (MIRA 16:7)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.
(Silicon hydrides--Spectra)

YEGOROCHKIN, A.N.; KHIDEKEL', M.L.; PONOMARENKO, V.A.; ZUYEVA, G.Ya.; SVIRIDOVA, S.S.; RAZUVAYEV, G.A.

Proton magnetic resonance spectra of some substituted germanium hydrides. Izv. AN SSSR Ser.khim. no.10:1865-1868 O '63. (MIRA 17:3)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitet, Institut khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

YEGOROCHKIN, A.N.; KHIDEKEL', M.L.; PONOMARENKO, V.A.; ZADOROZHNYY, N.A.

Certain regularities in proton magnetic resonance spectra of trisubstituted silanes. Izv. AN SSSR Ser.khim. no.10:1868-1871 O '63. (MIRA 17:3)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitet, Institut khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

YEGOROCHKIN, A.N.; KHIDEKEL', M.L.; PONOMARENKO, V.A.; ZUYEVA, G.Ya.; RAZUVAYEV, G.A.

Certain regularities in proton magnetic resonance spectra of a number of germanium compounds. Izv.AN SSSR.Ser.khim. no.2:373-375 F '64. (MIRA 17:3)

1. Nauchno-issledovatel'skiy institut khimii pri Ger'kovskom gosudarstvennom universitete im. Lobachevskogo, Instituta khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

RAZUVAYEV, G.A.; YEGOROCHKIN, A.N.; KHIDEKEL', M.L.; MIRONOV, V.F.

Proton magnetic resonance spectra of some vinyl silicon compounds. Izv. AN.SSSR.Ser.khim. no. 5:928-930 My '64. (MIRA 17:6)

1. Nauchno-issledovatel'skiy institut khimii Gor'kovskogo gosudarstvennogo universiteta, Institut khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

YEGOROCHKIN, A.N.; KHIDEKEL', M.L.; RAZUVAYEV, G.A.; MIRONOV, V.F.; KRAVCHENKO, A.L.

Proton magnetic resonance spectra of some metallo-organic compounds of silicon and germanium. Izv. AN SSSR Ser. khim. no.7:1312-1313 Jl '64. (MIRA 17:8)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete, Institut khimicheskoy fiziki AN SSSR i institut organicheskoy khimii imeni Zelinskogo AN SSSR.

L 31892-66 EWT(m)/EWP(j) RM

ACC NR: AP6012525 SOURCE CODE: UR/0062/66/000/003/0437/0443

AUTHOR: Yegorochkin, A. N.; Khidekel', M. L.; Razuvayev, G. A.

ORG: Scientific Research Institute of Chemistry, Gor'kiy State University (Nauchno-issledovatel'skiy institut khimii Gor'kovskogo gossudarstvennogo universiteta); Institute of Chemical Physics, Academy of Sciences SSSR (Institut khimicheskoy fiziki Akademii nauk SSSR)

TITLE: Regularities in the proton magnetic resonance spectra of the elemental organic compounds of the IV group

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 437-443

TOPIC TAGS: silicon compound, germanium compound, tin compound, NMR, magnetic anisotropy

ABSTRACT: Characteristics of chemical proton shifts in silicon, germanium and tin organic compounds and the relationship between induction Taft constants of aliphatic substituents were compared with similar characteristics in related carbon compounds. In the study of carbon-containing compounds, it was discovered that in $\tau = f(\Sigma\sigma^*)$, the Taft constant σ^* is not adequate for describing chemical shifts of CH_3-protons

Card 1/2 UDC: 543.422 + 546.3 + 541.67

L 31892-66
ACC NR: AP6012525

in $(CH_3)_{4-n}CX_n$ type compounds, where X is halogen. Chemical shifts in going from Cl to Br to I derivatives are associated with the diamagnetic anisotropy contribution of the C-X bond. Chemical shifts in $(CH_3)_{4-n}C(C_6H_5)_n$ are apparently associated with magnetic shifts produced by ring currents due to circulation of ¶ electrons in the benzene ring. Thus, the main contributions to chemical proton shifts in these compounds are due to the inductive effect and magnetic anisotropy of substituted R_i groups. Comparisons were made of proton magnetic spectra of $(CH_3)_{4-n}M(R_i)_n$ type compounds where M represents Si, Ge and Sn with spectra of $(CH_3)_{4-n}C(R_i)_n$ compounds. It was shown that for compounds of the $(CH_3)_{4-n}M(R_i)_n$, type, where M = Si, Ge, chemical shifts of protons of the methyl group are determined not only by the inductive effect and magnetic anisotropy of substituents, but in the case of R_i = $-OCH_3$, $-OC_2H_5$, $-CH=CH_2$ also the effect of d_π-p_π conjugation. In correlating chemical shifts of protons of the methyl group with σ^*_{Si} constants, obtained from the reaction series containing silicon, the effect ascribed to d_π-p_π conjugation is still apparent. Orig. art. has: 3 tables and 4 figures.

SUB CODE: 07/ SUBM DATE: 23Oct63/ ORIG REF: 004/ OTH REF: 010

LJ

Card 2/2

L 31892-66
ACC NR: AP6012525

in $(CH_3)_{4-n}CX_n$ type compounds, where X is halogen. Chemical shifts in going from Cl to Br to I derivatives are associated with the diamagnetic anisotropy contribution of the C-X bond. Chemical shifts in $(CH_3)_{4-n}C(C_6H_5)_n$ are apparently associated with magnetic shifts produced by ring currents due to circulation of ¶ electrons in the benzene ring. Thus, the main contributions to chemical proton shifts in these compounds are due to the inductive effect and magnetic anisotropy of substituted R_i groups. Comparisons were made of proton magnetic spectra of $(CH_3)_{4-n}M(R_i)_n$ type compounds where M represents Si, Ge and Sn with spectra of $(CH_3)_{4-n}C(R_i)_n$ compounds. It was shown that for compounds of the $(CH_3)_{4-n}M(R_i)_n$, type, where M = Si, Ge, chemical shifts of protons of the methyl group are determined not only by the inductive effect and magnetic anisotropy of substituents, but in the case of R_i = $-OCH_3$, $-OC_2H_5$, $-CH=CH_2$ also the effect of d_π-p_π conjugation. In correlating chemical shifts of protons of the methyl group with σ^*_{Si} constants, obtained from the reaction series containing silicon, the effect ascribed to d_π-p_π conjugation is still apparent. Orig. art. has: 3 tables and 4 figures.

SUB CODE: 07/ SUBM DATE: 23Oct63/ ORIG REF: 004/ OTH REF: 010

LJ
Card 2/2

L 19615-65 EWT(m)/EPF(c)/EWP(j)/T/EWP(b)/EWP(t) Pc-4/Pr-4 IJP(c)/SSD/AEDC(b)/AFWL/RAEM(c)/ASD(a)-5/SSD(c)/RAEM(j)/RAEM(l)/ESD(gs)/ESD(t) RM/JD

ACCESSION NR: AP5003220 S/0062/64/000/007/1312/1313

AUTHOR: Yegorochkin, A. N.; Khidekel', M. L.; Razuvayev, G. A.; Mironov, V. F.; Kravchenko, A. L.

TITLE: Proton magnetic resonance spectra of certain elemento-organic compounds of silicon and germanium

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 7, 1964, 1312-1313

TOPIC TAGS: proton, organosilicon compound, germanium compound, spectroscopy, magnetic resonance

ABSTRACT: Comparison of proton magnetic resonance spectra of several saturated and unsaturated organic compounds of silicon and germanium revealed that for unsaturated compounds, the effects of $d_{\pi} - p_{\pi}$ conjugation play an appreciable role. The spectra were recorded on the JMN-3 spectrometer using cyclohexane as the internal standard. To determine chemical shifts in saturated compounds, cyclohexane was combined with the sample in 1:1 volume ratio. Chemical shifts of proton signals in unsaturated compounds were determined by subsequent dilution with cyclohexane and extrapolation of the data to infinite dilution. It was found that chemical shifts of the CH_3- and CH_2-protons in compounds not containing multiple bonds correspond to

Card 1/2

L 19615-65

ACCESSION NR: AP5003220

3

greater electroconductivity of germanium compared with silicon and the qualitative notions of the inductive effect of substituents. Thus, in view of the greater electron-donor capacity of the $-CH_2-M(CH_3)_3$ group, where M = Si, Ge, compared with that of the methyl, resonance frequencies of methylprotons in the compounds $(CH_3)_3M-(CH_2)_n-M(CH_3)_3$ are shifted toward larger values of τ with respect to the same frequencies in the $(CH_3)_4M$ compounds. Orig. art. has: 1 graph and 1 table.

ASSOCIATION: Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennon universitete (Scientific Research Institute of Chemistry at Gor'kiy State University); Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences, SSSR); Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 25Nov63 ENCL: 00 SUB CODE: OC, OP

NO REF SOV: 001 OTHER: 005 JPRS

Card 2/2

YEGOROCHKIN, A.N.; KHIDEKEL', M.L.; RAZUVAYEV, G.A.; PETUKHOV, G.G.; MIRONOV, V.F.

Proton magnetic resonance spectra of some allyl silicon compounds. Izv. AN SSSR. Ser. khim. no.8:1521-1523 Ag '64. (MIRA 17:9)

1. Gor'kovskiy gosudarstvennyy universitet im. N.I. Lobachevskogo, Institut khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii N.D. Zelinskogo AN SSSR.

YEGOROV, A.

PA 171T89

USSR/Radio - Radio Servicing Receivers

Sep 50

"Present System of Radio Servicing Should Be Re-Organized," A. Yegorov

"Radio" No 9, p 13

Complains main radio repair shops in Leningrad, belonging to "Metoptremont," lack appropriate tools and test equipment. Service men untrained for repairing modern sets. Even small repairs cost R 100. Loudspeakers cannot be repaired for lack of spare cones; only shop which made these repairs closed. This is the fault of management of Leningrad Radio Adm. Problem needs immediate attention.

171T89

YEGOROV, A.

7678. YEGOROV, A. -- Partorganizatsiya v Borbe za krutoypod"yem proizvodstva odezhdy. (Mosk. shveynana fabrika No. 5).-- Sm. 7334

SO: Knizhnaya Letopsis', Vol. 7, 1955

YEGOROV, A.

The annual plan for construction on collective farms will be fulfilled ahead of time. Sel'. stroi. 12 no.8:3-5 Ag '57. (MLRA 10:9)

1. Predsedatel' ispolkoma Kaluzhskogo oblastnogo Soveta deputatov trudyashchikhsya.
(Kaluga District--Construction industry)

85-58-1-24/28

AUTHOR: Yegorov, A., Leader of the House of Pioneers' Model Airplane Building Team, Tkvarcheli, Abkhazskaya ASSR

TITLE: Letter to the Editor (Pis'mo v redaktsiyu); Where Can Glue and Emalit (Enamel Glue) be Bought? (Gde kupit' kley, emalit?)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 1, p 31 (USSR)

ABSTRACT: The author complains of the impossibility of buying glue or enamel glue (emalit) for his MK-16NC440 engine in Tkvarcheli or fuel for an MD-5 "Kometa" engine at the Sukhumi Glavkul'ttorg (Main Administration of Wholesale and Retail Trade in Cultural and Sports Goods).

ASSOCIATION: Tkvarcheli House of Pioneers

AVAILABLE: Library of Congress

Card 1/1

USSR/Cultivated Plants. Fodder Plants. II

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68246

Author : Yegorov, A.
Inst : Krasnodarsk Scientific Research Institute of Agriculture.
Title : Fodder Grain Varieties for the Yenisey Far North.

Orig Pub : Byul. nauchno-tekhn. inform. Krasnoyarskogo n.-i. in-ta s. kh., 1957, No 1-2, 22-25

Abstract : Experiments at the Igar and Turukhan experiment stations have demonstrated that it is advisable to limit the use of Udarnik 883 oat variety to a latitude of about 61-62°, and the Chernovets barley variety to a latitute of 61-62°. The Narymskaya 205/4 and Mutika Yartsevskiy oat

Card : 1/2

USSR/Cultivated Plants. Fodder Plants. M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68246

varieties can be recommended for planting at kolkhozes and sovkhozes of the Krasnodarsk Kray situated above the latitute of 60-61°, and the Polar 14 and KhS-185 barley varieties may be planted in regions situated above 61-62°. -- O. A. Gorbunova

Card : 2/2

YEGOROV, A. (Khar'kov)

Flight engineer Stepan Kryzhanovskii. Kryl.rod. 12 no.5:17 My '61. (MIRA 14:7)

(Flight engineering)
(Kryzhanovskii, Stepan)

YEGOROV, A., desyatnik ventilyatsii shakhty; IVAKHIN, A., master-vzryvnik

Is there a need for special gas inspectors in the mines?
Sov.shakht. 10 no.6:11 Je '61. (MIRA 14:9)

1. Shakhta No.12-bis tresta Dzerzhinskugol' v Donbasse (for Yegorov. 2. Shakhta No.1-2 "Kholodnaya balka" tresta Sovetskugol' kombinata Stalinugol' (for Ivakhin).
(Mine gases)