KURIN, N. V.

Pamyatka po ekspluatatsii trelevochnogo traktora KT-12 (Handbook on the use of the KT-12 skidding tractor, by) N. V. Kurin i N. N. Yakubovich. Moskva, Mashgiz, 1951.
142 p. illus.
Cataloged from abstract
FE 520089

SO: N/5
743.281
.K96

KUBIN, O.I.

Near the equator. Znan. ta pratsia no.12:16-17 D '61.
(MIRA 14:11)
(Ivory coast)

KURIN, Tibor, dr.

Forms of quality wage system in the Budapest Machine Tool Factory. Munka szemle 5 no.4:19-22 Ap '61.

05551

S/182/60/000/009/009/012/XX
A161/A029

15200 also 2108

AUTHORS: Shcheglov, V.F.; Kurin, V.V.

TITLE: Investigation of Stamping Hammer Foundation Vibration Damping Under Shop Conditions

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No. 9, pp. 21 - 26

TEXT: Detailed engineering information is given on new vibration damping systems designed by three institutes (TsNIITMASh, TsNIISK and GIPROTIS) and tested under three 3-ton stamping hammers at Taganrogskiy kombaynovyy zavod (Taganrog Harvesting Combine Works). The first (installed in 1957) is of the suspension type with 12 spring dampers on suspension rods and 8 rubber dampers; the second (mounted in April 1959) supports the foundation block on 18 spring dampers and 14 rubber dampers standing on reinforced concrete bands in the foundation box. The damper design has been described by V.F. Shcheglov (in "Vestik mashinostroyeniya" No. 7, 1958). The third system is different in principle (hammer mounted in September 1959): the foundation block is suspended on 12 spring dampers and 4 pneumatic hangers, which accelerate the entire system hammer-foundation block upward at the down stroke of the ram. Four special dampers damp the vibration of

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S/182/60/000/009/009/012/XX
A161/A029

Investigation of Stamping Hammer Foundation Vibration Damping Under Shop Conditions

the hammer after the work stroke when the system comes below the statistical equilibrium line. The damper's work elements are ring springs damping vibration by forces on tapered surfaces when the springs shift. The foundation block of the third hammer had to be installed on the usual oak pad because no rubberized fabric lining could be obtained. The hammer (of SKMZ make) was not changed in design. Curves presenting the motion of the mobile parts and pressures in the cylinders of the hammer were taken with "strunnyye khodografy" ("string movographs"), and the cylinder pressure with electric carbon indicators. The air consumption in the bottom cylinder is extraordinarily low: about 2.6% of the entire air volume used by the hammer. Test results proved the system workable. The hammer is highly stable during idle strokes (rocking), and its displacements in operation are 6 - 8 times smaller than with conventional vibration damping. The vibration amplitude of the foundation block is 0.08 mm, and the vibration frequency about 2 cps. Engineer G.I. Bezzubyy of the Taganrog Harvesting Combine Works took part in the tests. There are 9 figures and 3 Soviet references.

Card 2/2

SHCHEGLOV, V.F.; KURIN, V.V.

Methods of vibration proofing of heavy forging-hammer foundations. Kuz.-shtam. proizv. 5 no.9:20-26 S '63. (MIRA 16:11)

L 33518-66 EWT(d) IJP(c)

ACC NR: AP6023464 SOURCE CODE: CZ/0028/66/000/001/0001/0013

AUTHOR: Kurina, Frantisek (Hradec Kralove)

ORG: none

TITLE: Identity mapping in space

SOURCE: Pokroky matematiky fyziky a astronomie, no. 1, 1966, 1-13

TOPIC TAGS: euclidean space, euclidean geometry, calculus

ABSTRACT: The article presents an explanation of Bachmann calculus with symmetries (therefore with the algebraization of geometry) as regards the problem of the classification of identities in three-dimensional euclidean space constructed on the system of axioms of euclidean geometry of Jan Vysin. Orig. art. has: 4 formulas and 2 tables. [JPRS]

SUB CODE: 12 / SUBM DATE: none

Card 1/1

MAZANOVSKAYA, I.G.; ZHURINA, L.N.; BELOUSOVA, V.N.

Conductance of vanadium catalysts in the reaction of oxidation of methyl alcohol. Kin. i kat. 6 no.1:159-162 Ja-F '65.
(MIRA 18:6)

1. Tomskiy gosudarstvennyy universitet imeni Kuybyshava.

SOV/137-59-2-4767

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 343 (USSR)

AUTHORS: Korenman, I. M., Kurina, N. V., Yemelin, Ye. A.

TITLE: Oxyanthraquinones as Reagents for Germanium (Oksiantrakhinony kak reaktivy na germaniy)

PERIODICAL: Tr. po khimii i khim. tekhnol., 1958, Nr 1, pp 134-137

ABSTRACT: The authors investigated the color reactions of GeO_2 to the following polyoxyanthraquinone dyeing agents: Anthracene blue (I), purpurin, anthrarufin, quinizarin, and quinalizarin. The most sensitive reaction is with I, minimum concentration 1:70,000, detectable minimum 1.4 γ in 0.1 cc. The most specific reactions are with I, purpurin, and quinalizarin. H_3BO_3, Al, and Tl impede the determination. I and quinizarin cause fluorescence in ultraviolet rays. On the basis of the reaction with I GeO_2 is determined photometrically in a 5-cc cell on a FEK N-54 photocolorimeter with a Nr-7 light filter at 610 mμ. 1.5 cc of 0.01% reagent solution in concentrated H_2SO_4 are added to 1 cc of GeO_2 solution, and the optical density of the solution is measured after 15 min. The mean error is ~2% (relative).

P. K.

Card 1/1

SOV/153-2-1-3/25

5(2,3)
AUTHORS: Korenman, I. M., Kurina, N. V.
Ganina, V. G.

TITLE: Color Reactions of Zirconium (Tsvetnyye reaktsii na tsirkoniy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 1, pp 15-19 (USSR)

ABSTRACT: The groups —N=N— and $-AsO_3H_2$ are to be considered functional-analytical in the case of zirconium (Refs 1,2). The authors investigated organic compounds as reagents on zirconium which contain this and several other groups. These are: acid blue, acid brown, gallein-phthalein as well as some azo dyes (derivatives of chromotropic acid). Gallein-phthalein turned out to be a very sensitive and specific reagent. In order to explain the problem whether zirconium can be detected in the presence of foreign cations, the authors determined the admissible limit ratios of zirconium to several other cations (Table 1). It results therefrom that most cations practically do not exercise any inhibitory effect in this case, with the exception of trivalent iron the concentration of which must not exceed that of zirconium by five times. In a strongly ac

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Color Reactions of Zirconium

SOV/153-2-1-3/25

medium all investigated azo dyes yield reaction products with zirconium, some of them even in a weakly acid medium. The best results were obtained from 4-sulphobenzene-2-azo chromotropic acid in weakly and strongly acid media. Table 2 shows the limit ratios of the last-mentioned acid in the HCl medium. Thus, zirconium can be detected in a mixture of several cations if its concentration is not lower than 1mg/ml (blue coloring in HCl solution). At lower concentrations a violet coloring is produced which is similar to that of cerium, lanthanum, and calcium. Due to its pink coloring cobalt exerts an inhibitory effect. The reactions under discussion were utilized for a colorimetric determination of zirconium (Tables 3-7). Figures 1 and 2 show calibration diagrams for the reaction with gallein-phthalein and 4-sulphobenzene-2-azo chromotropic acid. There are 2 figures, 7 tables, and 4 Soviet references.

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet im. N. I. Lobachevskogo; Kafedra analiticheskoy khimii (Gor'kiy State University imeni N. I. Lobachevskiy; Chair of Analytical Chemistry)

SUBMITTED: January 23, 1958

Card 2/2

S/081/62/000/023/023/120
B158/B180

AUTHORS: Korenman, I. M., Ganina, V. G., Kurina, N. V.

TITLE: Examination of some hydroxy anthraquinones used as reagents for rare earth elements

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 23, 1962, 176, abstract 23D10 (Tr. po khimii i khim. tekhnol. (Gor'kiy), no. 4, 1961, 759-766)

TEXT: It is shown that rare earth elements (REE) in a hexamethylene tetramineborate buffer medium of pH 7 react with both quinalizarin and Na alizarin sulfonate to form colored products of 1:1 composition with maximum light absorption at 560-590 and 520-540 mμ respectively. The spectral characteristics of the reaction products are similar for the different REE. For both reagents the mol. absorption coefficient is of the order of 13,000-17,000. The sensitivity of the reaction increases with the atomic number of the REE. The colored products of the REE reaction were used for photometric determination of Lu, Gd and Er in solutions of their salts. These reagents cannot be used for separate determination of the REE where occur together. [Abstracter's note: Complete translation.]

Card 1/1

KURINNA, N.V.; PAVLENKO, O.F.

Some remarks concerning the program of pharmaceutical chemistry.
Farmatsev.zhur. 17 no.4:72-73 '62. (MIRA 16:3)

1. Zaporozhskiy farmatsevticheskiy institut.
(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

IONIN, N.V.; KURINA, M.V.

Distribution coefficient of electrolytes as a function of solvation and of the activity coefficients of its ions. Trudy Kom.anal.khim. 14:87-98 '63. (MIRA 16:11)

IONIN, M.V.; KURINA, N.V.; SUDOPLATOVA, A.Ye.

Solubility of hydrogen chloride in alcohols. Trudy po khim.i khim.tekh. no.1:47-48 '63. (MIRA 17:12)

IOFFE, M.V.; KURINA, M.V.

Determination of mean activity coefficients and osmotic coefficients of HCl in concentrated solutions. Trudy po khim.i khim.tekh. no.1:40-42 '64.

(MIRA 18:12)

1. Submitted April 26, 1963.

KURINA, S.A., kand.med.nauk; SOLOVTSOVA, T.I.; VNUKOVA, Ya.V.

Determination of the sensitivity of typhoid fever bacteria to antibiotics in prescribing effective treatment for typhoid fever. Lech. infekts. bol'. no.3:166-173 '57. (MIRA 14:5)
(TYPHOID FEVER) (ANTIBIOTICS)

KURINA, S.A.

Yellow variant of dysentery bacteria of Flexner's group. Lab. delo 5 no.3:44-45 My-Je '59. (MIRA 12:6)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. G.P. Rudnev) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(SHIGELLA PARADYSENTERIAE)

KURINA, S.A.

Variability of pneumococci under the influence of antibiotics.
Antibiotiki 5 no. 5:91-94 S-O '60. (MIRA 13:10)

1. Kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof. Z.V. Yermol'yeva) TSentral'nogo instituta usovershenstvovaniya vrachey.
(DIPLOCOCCUS PNEUMONIAE) (ANTIBIOTICS)

KURINA, Yekaterina Alekseyevna

[State monopoly of foreign trade of the U.S.S.R.] Gosudarstvennaia monopoliia vneshnei torgovli SSSR. Moskva, Znanie, 1959. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.3, Ekonomika, no.8) (MIRA 12:7)
(Russia--Commerce)

KURENKOV, Ye A.

New methods of modifying artificial and synthetic fibres. N. V. Mikhailov, Z. V. Ukhaneva, V. I. Klimenko and [illegible]. (*Tekstil. Prom.*, 1951, 11, No. 9, 11–12).—New fibres were obtained from mixtures of (*a*) acetylcellulose and other cellulose derivatives with polyacrylonitriles, chlorinated polyvinyl chloride or its copolymers, and (*b*) polyamides with polyhydrocarbons or other synthetic high-mol compounds. Study of these modified fibres confirmed the practical possibility of changing all the physico-chemical and mechanical properties of the fibres and of imparting to them important qualities such as hygroscopicity, dye ability, heat stability, non-flammability, rigidity and elasticity. During the investigations new possibilities were found for chemical conversions by way of saponification, and for dyeing some of the synthetic fibres by introducing into the mass a [illegible] pigment.

(J. Text. Inst. (R.B.C.))

BORODIN, B.P.; KURININ, R.G.; FRIDLYAND, N.S.

Use of the MI-1 helicopter in making a gravity survey in combination with barometric leveling. Geofiz. razved. no.6:52-59 '61. (MIRA 15:4)
(Siberia--Gravity prospecting) (Helicopters)
(Barometric hypsometry)

KURTINNAYA, N. F.

Lenticular Degeneration

Clinical aspects of hepato-lenticular degeneration. Terap. arkh. 24 no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASS.

KURINNAYA, M.F., kand.med.nauk

Hemiphlegic form of migraine. Vop. klin. nevr. i psikh. no.2:73-80 '58. (MIRA 14:10)

(MIGRAINE) (PARALYSIS)

KURINNAYA, M.F., kand.med.nauk

Copper metabolism and its pathology in hepato-cerebral degeneration.
Vop. klin. nevr. i psikh. no.2:225-233 '58. (MIRA 14:10)
(COPPER METABOLISM) (BRAIN--DISEASES)
(LIVER--DISEASES)

KURINNAYA, M.F., kand.med.nauk

Clinical aspects and pathoanatomy of spinal tuberculosis. Vrach. delo no.7:695-697 Jl'58 (MIRA 11:9)

1. Kafedra nervnykh bolezney (zav. - deystv.chlen AMN SSSR B.N. Man'kovskiy) Kiyevskogo meditsinskogo instituta.
(SPINAL CORD--TUBERCULOSIS)

KURINNAYA, M.F., kand.med.nauk

Condition of the cardiovascular system in hepatocerebral dystrophy.
Vrach. delo 4:132-135 Ap '62. (MIRA 15:5)

1. Kafedra nervnykh bolezney (zav. - deystvitel'nyy chlen AMN SSSR B.N.Man'kovskiy) Kiyevskogo meditsinskogo instituta.
(CARDIOVASCULAR SYSTEM) (DYSTROPHY)

KURINNAYA, M.F., kand.med.nauk

Medical work fitness expertise in the diencephalic syndrome.
Vrach.delo no.10:98-102 O '62. (MIRA 15:10)

1. (Vrachebno-trudovaya ekspertnaya komissiya goroda Kiyeva).
Kafedra nervnykh bolezney (zav. - deystvitel'nyy chlen AMN SSSR,
prof. B.N.Man'kovskiy) Kiyevskogo meditsinskogo instituta.
(DISABILITY EVALUATION) (DIENCEPHALON--DISEASES)

PEYVE, Ya.V., akademik, otv. red.; VLASYUK, P.A., akademik, red.; SIROCHENKO, I.A., prof., red.; VOYNAR, A.I., prof., red.; MINORIK, A.V., kand. biol. nauk, red.; OSTROVSKAYA, L.K., doktor biol. nauk, red.; ZADERIY, I.I., doktor sel'khoz. nauk, red.; KURINNAYA, M.F., dots., red.; KLIMOVITSKAYA, Z.M., kand. biol. nauk, red.; MITSYK, V.Ye., kand. vet. nauk, red.; KAPITANCHUK, V.A., red.; RAD'KO, N.K., red.

[Trace elements in agriculture and medicine; materials] Mikroelementy v sel'skom khoziaistve i meditsine; materialy. Kiev, Gosselkhozizdat USSR, 1963. 689 p. (MIRA 18:1)

1. Vsesoyuznoye soveshchaniye po voprosam primeneniya mikroelementov v sel'skom khozyaystve i meditsine, 4th, Kiev, 1962. 2. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy AN Ukr.SSR (for Ostrovskaya, Vlasyuk). 3. Institut biologii AN Latviyskoy SSR (for Peyve). 4. Kiyevskiy meditsinskiy institut (for Kurinnaya). 5. Donetskiy meditsinskiy institut im. A.M.Gor'kova (for Voynar). 6. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh (for Mitsyk). 7. Belotserkovskiy sel'skokhozyaystvennyy institut (for Zaderiy).

VLASYUK, P.A., akademik, glav. red.; OSTROVSKAYA, L.K., doktor biol. nauk, red.; ZADEMIY, I.I., doktor sel'khoz. nauk, red.; KURINNAYA, M.F., kand. med. nauk, red.; MITSYK, V.Ye., kand. vet. nauk, red.; KAPITANCHUK, V.A., red.; SKUTSKAYA, N.P., red.

[Microelements in the life of plants, animals and man; transactions of the Coordinating Conference of the Special Commission of the Academy of Sciences of the Ukrainian S.S.R. held on February 22-23, 1963] Mikroelementy v zhizni rastenii, zhivotnykh i cheloveka; trudy koordinatsionnogo soveshchaniia problemnoi komissii AN USSR ot 22-23 fevralia 1963 g. Kiev, Naukova dumka, 1964. 323 p. (MIRA 18:2)

1. Akademiya nauk URSR, Kiev. Instytut fiziologii roslyn.

VLASYUK, P.A., akademik, otv. red.; KOLOMIYTSEVA, M.G., prof., red.; KNUPSKIY, N.K., prof., red.; KLEMOVITSKAYA, Z.M., doktor biol. nauk, red.; KURENNAYA, E.F., kand. med. nauk, red.; MITSYK, V.Ye., kand. vet. nauk, red.; KAPITANCHUK, V.A., red.; RUDAKOVA, E.V., kand. biol. nauk, red.; SKUTSKAYA, N.P., red.

[Use of trace elements in agriculture; Republic interdepartmental collection of papers] Primenenie mikroelementov v sel'skom khozyaistve; Respublikanskii mezhvedomstvennyi sbornik. Kiev, Naukova dumka, 1965. 218 p. (MIRA 18:7)

1. Akademiya nauk URSR, Kiev. 2. Institut fiziologii rasteniy Ukr.SSR (for Vlasyuk, Rudakova).

KURINNAYA, N. V.

Biological Chemistry

Dissertation: "Phytochemical Study of Gentiana Pneumonanthe." Cand Pharm Sci, Moscow Pharmaceutical Inst, Minister of Health USSR, 12 Apr 54. (Meditsinskiy Rabotnik, Moscow, 30 Mar 54)

SO: SUM 213, 20 Sept 1954

Investigation of the alkaloids of Gentiana pneumonanthe. N. V. Kurlumya. *Aptechnoe Delo* 3, No. 4, 15-17(1954).--Extn. of the crushed roots of *G. pneumonanthe* with $CHCl_3$ and H_2SO_4 yielded 0.67% of crude alkaloids. They were purified by refluxing 5 times with Et_2O, evapg. the latter, and dissolving the ext. in hot petr. ether. The colorless needles which settled out of the cooled soln. were filtered off and dried. They were identical with gentianin isolated from *G. triflora*.

A. S. Mirkin

KURINNAYA, N.V.

Chemical analysis of alkaloids from Gentiana lutea L., Gentiana cruciata L., and Gentiana triflora Pall. Soob.o nauch.rab.chl. VKHO no.1:42-46 '55. (MIRA 10:10)
(Alkaloids) (Gentians)

GORYAYEV, M.I.; KRUGLYKHINA, G.K.; SATDAROVA, E.I.; KURINNAYA, N.V.; SHABANOV, I.M.; POLYAKOV, P.P.

Materials on the study of alkaloid resources in the flora of Kazakhstan and some regions of Central Asia. Trudy Inst. khim. nauk AN Kazakh. SSR 4:112-122 '59.

(MIRA 13:3)

(Kazakhstan--Botany, Economic)
(Soviet Central Asia--Botany, Economic)
(Alkaloids)

PETRENKO, V.V.; KURINNAYA, N.V. [Kurinna, N.V.]

Chemical study of flavonoids of the motherwort Leonurus quinquelobatus. Farmatsev. zhur. 20 no.5:51-56 '65.
(MIRA 18:11)

1. Kafedra farmatsevticheskoy khimii Zaporozhskogo farmatsevticheskogo instituta; zaveduyushchiy kafedroy prof. V.I. Blizniyukov. Submitted April 9, 1965.

ACCESSION NR: AP4036976 S/0078/64/009/005/1305/1306

AUTHOR: Gromakov, S. D.; Kurinnaya, V. N.; Laty*pov, Z. M.; Chvala, M. A.

TITLE: A new modification of zone purification of materials.

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 5, 1964, 1305-1306

TOPIC TAGS: zone purification, method, crystallization front, monocrystal production, semiconductor, sodium nitrate, cadmium nitrate tetrahydrate, impurity separation, heating device, design

ABSTRACT: A method of zone purification was developed in which the crystallization plane area is increased, thereby enhancing the production of larger monocrystals particularly applicable in the production of semiconductors. This was accomplished by devising a method for maintaining the same temperature gradient near the periphery of the molten zone as in its center. Thus, heating circuits were constructed in the form of the curvature of the molten zone and of such design as to create a planar crystallization front by compensating for the heat removal. Perforated metal grids or conductors between electrodes (rectangular shape for rectangular rods or circular for cylindrical bars) may be used. These

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ACCESSION NR: AP4036976

should be of metals or alloys nonreactive with the molten metal. In a simple design, a vertical cylinder was heated at different temperatures. It was heated in the upper section to a temperature higher than the fusion temperature of the material and in the lower section to a lower temperature. A test tube containing the sample was lowered slowly so crystallization started at the bottom. A rigid heating element was kept at the temperature boundary to give a planar crystallization front. Tests run with sodium nitrate and cadmium nitrate tetrahydrate using colored impurities (sample lowered at 12 mm/hr) showed the impurities to be collected at one end of the bar. Orig. art. has: 2 figures.

ASSOCIATION: Kazanskiy gosudarstvenny*y universitet, (Kazan State University); Penzenskiy pedagogicheskiy institut (Penzen Pegagogical Institute)

SUBMITTED: 16Nov62 DATE ACQ: 05Jun64 ENCL: 00

SUB CODE: GC,IE NO REF SOV: 000 OTHER: 000

Card 2/2

GROMAKOV, S.D.; KURINNAYA, V.N.; LATYPOV, Z.M.; CHVALA, M.A.

New variant of the zone purification of substances. Zhur. neorg. khim. 9 no.5:1305-1306 My '64. (MIRA 17:9)

1. Kazanskiy gosudarstvennyy universitet i Penzenskiy pedagodicheskiy institut.

L 5223-66

ACC NR: AP5026258 SOURCE CODE: UR/0331/65/000/007/0023/0023

AUTHORS: Medovaya, A.; Kurinnoy, K.

ORG: none

TITLE: A propeller guard of a launch

SOURCE: Lesnaya promyshlennost', no. 7, 1965, 23

TOPIC TAGS: shipbuilding engineering, ship component, propeller guard

ABSTRACT: K. G. Kurinnoy of the Leningradskiy gidroliznyy zavod (Leningrad Hydrolysis Plant) designed a launch propeller guard shown in Fig. 1. The guard is made of 18-mm sheet steel. Flanges 2 are welded to the guard and to the launch, while six ports improve the hydraulic characteristics of the assembly and the performance of the propeller. Braces 4 are welded onto hub 3 and connect the guard to the launch. The hub carries a bushing 5. Two thrust bearings of the rudders 6 are welded to the stern. The assembly is stiffened and protected by

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UDC: 629.122.1.02.037

04010097

L 5179-66
ACCESSION NR: AT5021844

interaction of the correcting section; 4) large quantization intervals may be used in the correction section; 5) the magnitude (in time) of the quantization interval for a given transient depends on the Q-factor and the sum of small time constants; 6) under the real operating conditions of the RT-22 radiotelescope the actual device shows satisfactory behavior for 1.12 sec quantization intervals; 7) a high quality system can be built using simple means and a fairly slow computer; and 8) the frequency of parameter evaluation can be reduced in digital automatic control systems. Orig. art. has: 10 formulas and 4 figures.

ASSOCIATION: None

SUMBITTED: 12Apr65 ENCL: 00 SUB CODE: IE, DP

NO REF SOV: 007 OTHER: 000

Card 2/2

KURINNOY, L. Ye.; KHAIT, A. M.

Suggestions and advice. Fiz. v shkole 22 no.4:81 Jl-Ag '62.
(MIRA 15:10)

1. 1-ya srednyaya shkola rabochey molodezhi, g. Nazarovo Krasnoyarskogo kraya (for Kurinnoy). 2. 3-ya srednyaya shkola g. Zolotonosha Cherkasskoy oblasti (for Khait).

(Physics—Audio-visual aids)

KURINOY, V. I.

KURINOY, V. I.:"Outline of the history of atomic and molecular thinking in in the 19th century." Moscow, 1955. Moscow State U imeni M. V. Lomonosov, Chemistry Faculty. (Dissertation for the Degree of Candidate of Chemical Sciences)

SO: Knizhnaya Letopis' No. 47, 19 November 1955. Moscow.

KURINNOY, V.I.

USSR/General Problems. A-

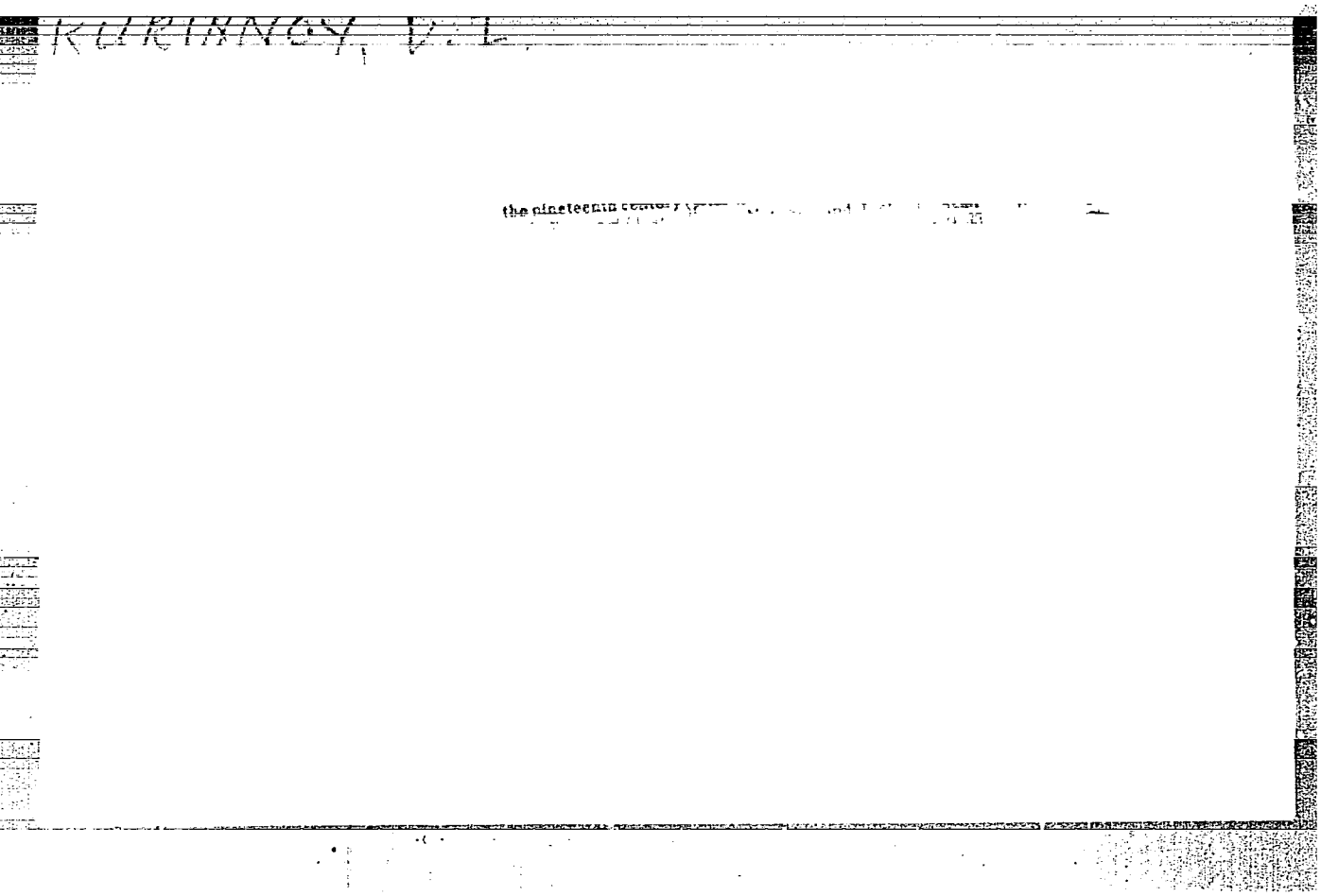
Abs Jour : Ref Zhur - Khimiya, No 10, 1957, 33370

Author : Figurovski, N.A., Kurinnoi, V.I.
Inst :
Title : Development of the Atomic Science in the Research of the Russian Chemists in the First Half of XIX-th Century.

Orig Pub : Tr. in-ta istoriyi yestestvozn. i tekhn. AN SSSR, 1956, 12, 12-21.

Abstract : Bibliography with 42 references.

Card 1/1



BYKOV, G.V.; KURINNOY, V.I.

History of the first chemical equations. Vop.ist.est. i tekh. no.5:172-174 '57. (MIRA 11:2)
(Chemistry, Analytical)

KURINNOY, V.I.

The outstanding scientist and patriot Dmitrii Ivanovich Mendeleev (50th anniversary of his death). Fiz. v shkole 17 no.3:7-13 My-Je '57. (MLRA 10:6)

1. Institut istorii yestestvoznaniya i tekhniki Akademii nauk SSSR, Moskva.
(Mendeleev, Dmitrii Ivanovich, 1834-1907)

FIGUROVSKIY, N.A.; KURINNOY, V.I.

Determination of atomic weights by Russian chemists in the 19th century (up to 1869). Zhur. fiz. khim. 31 no.6:1429-1433 Je '57. (MIRA 10:12)

1. AN SSSR, Institut istorii yestestvoznaniya i tekhniki, Moskva.
(Atomic weights--History)

KURINNOY, Viktor Ivanovich; FIGUROVSKIY, N.A., prof., red.; KIPNIS, S.Ye., red.izd-va; PRUSAKOVA, T.A., tekhn.red.

[Outline of the development of chemical atomistics in the 19th century] Ocherk razvitiia khimicheskoi atomistiki v XIX veke. Pod red. N.A.Figurovskogo. Moskva, Izd-vo Akad.nauk SSSR, 1960. 157 p. (MIRA 13:6)
(Chemistry, Physical and theoretical--History)
(Atomic theory--History)

KURINNOY, V.I.

Reflection of the scientific activity of Russian chemists in J.Berzelius' abstract journal. Vop.ist.est.i tekh. no.10:85-88 '60. (MIRA 14:3)

(Chemists) (Berzelius, Jons Jacob, 1779-1848)

KURINNOY, V.I.

Unpublished letters from F.I. Gize to I.IA.Berzelius. Trudy Inst. ist.est.i tekh.30:333-343 '60. (MIRA 13:8)
(Gize, Ferdinand, 1781-1821)
(Berzelius, Jons Jakob, 1779-1849)

SOLOV'YEV, Yuriy Ivanovich; KURINNOY, Viktor Ivanovich; POGODIN, S.A., prof., otv.red.; FRANTS, V.I., red.izd-va; GOLUB', S.P., tekhn.red.

[Jakob Berzelius; his life and works] IAkob Bertselius; zhizn' i deiatel'nost'. Moskva, Izd-vo Akad.nauk SSSR, 1961. 172 p. (MIRA 14:2)
(Berzelius, Jöns Jakob, 1779-1848)

KURINNOY, V.V.

Sectional method of drilling and sampling hydrogeological test holes. Razved.i okh. nedr 29 no.1:31-35 Ja '63. (MIRA 16:2)

1. Irkutskoye geologicheskoye upravleniye. (Boring)

1. [illegible], I. L. [illegible]

2. USSR. (600)

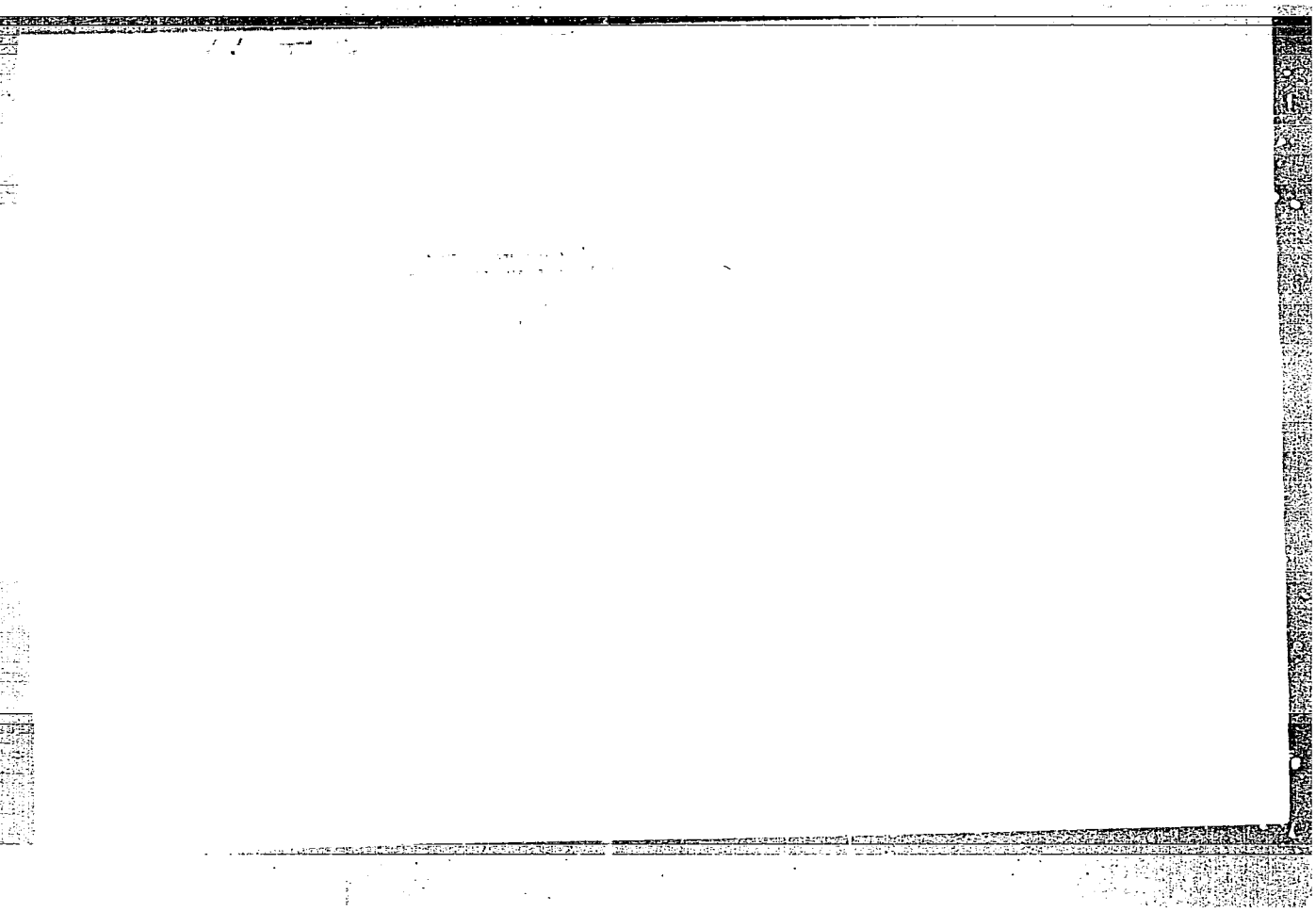
4. Yefremov, V. K.

7. Remarks on V. K. Yefremov's and N. N. Mayorov's article "Short circuit currents in underground low voltage electric networks."
Reviewed by I. L. Kuzhekovich, Kuzbass, Ugol' 27 no 10, 1952

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

KURINNYY, T.G., inzhener.

Standard tests for cements. TSement 20 no.6:20-21 N-D '54.
(Cement --Testing) (MLRA 8:3)



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927720002-2"

KURINNYY, T., inzhener; VERIGO, G.

Using electric power station slag in the building materials industry. Stroi.mat.izdel. i konstr. 1 no.12:19-20 D '55. (MLRA 9:7)
(Slag) (Building materials)

KURINNYY, T.G.

USSR/Chemical Technology. Chemical Products and Their Application - Silicates. Glass. Ceramics. Binders. I-9

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12658

Author : Kurinnyy T.G.
Title : Proper Standard Testing of Cements Promotes Their Economy in Building

Orig Pub : Stroit. prom-st', 1956, No 8, 33-36

Abstract : In view of the conflicting data obtained on testing of cements at a number of laboratories, it is proposed strictly to conform to the provisions of GOST 310-41 for methods of physicomechanical tests of cement, carefully to check the available instruments and equipment and to carry out periodically repeated comparative test of the same sample of cement stored for 7-10 days in a dry place.

Card 1/1 - 112 -

KURINNYY, T.G., inzhener.

Using cold mortars in plastering. Mov.tekh.i pered.op.v stroi. 18 no.10:13-15 O '56. (MLRA 9:11)
(Plastering--Cold weather conditions)

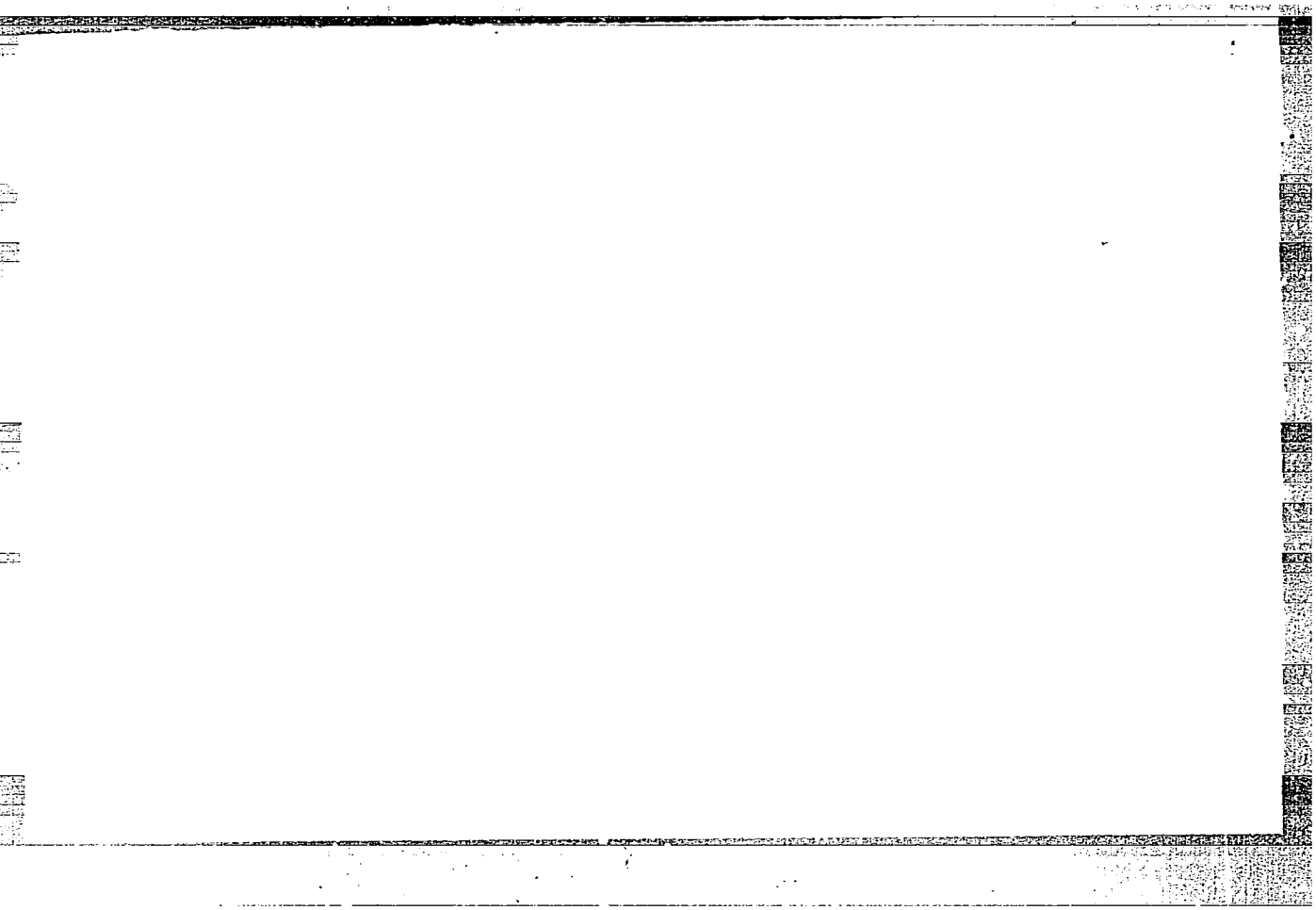
KURINNYY, T.G., laureat Stalinskoy premii, inzhener; MEDVEDEV, V.M., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk; SHISHO, G.A., laureat Stalinskoy premii, inzhener.

Investigation under natural conditions of "cold" concreting. Gidr. stroi.25 no.6:14-18 Jl '56. (MIRA 9:9)
(Volga-Don Canal) (Concrete construction--Cold weather conditions)

KURINNYY, T.G., inzh.

Ultimate allowable amount of unburned fuel in cinders of heat and electric power plants used in construction. Stroi. mat. 5 no.4:11-12 Ap '59. (MIRA 12:6)
(Lightweight concrete)

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2077-2081



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927720002-2"

KURINOV, B., dotsent

When a pedestrian is guilty. Za bezop.dvizh. 6 no.7:6-7 Jl '63. (MIRA 16:10)

1. Moskovskiy gosudarstvennyy universitet.

KURINOV, B. A.

Criminal responsibility for the embezzlement of government and commninty property Moskva, Gos. izd-vo iurid. lit-ry, 1954. 118 p. (55-25142)

KURINOV, V.I., Cand Med Sci -- (diss) "Clinical ~~basis for~~ principles of ~~a medical jurisprudential~~ assisted-legal evaluation of penetrating ~~puncture and incised~~ wounds of the thorax." Alma-Ata, 1959, 16 pp

(Kazakh State Med Inst) 300 copies (KL, 33-59, 121)

PETRENKO, M.I., kandidat meditsinskikh nauk; KURINOVA, A.V.

Condition of the cardiovascular system during pneumonia in young children. Pediatriia 39 no.1:19-23 Ja-F '56. (MLRA 10:1)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR professor G.N.Speranskiy) TsIU (dir. V.P.Lebedeva) na baze detskoy bol'nitsy imeni F.E.Dzerzhinskogo.

(PNEUMONIA, manifest.
cardiovas. system, in inf.)
(CARDIOVASCULAR SYSTEM, in various dis.
pneumonia, in inf.)

KURINYI, J.

Certain considerations on the mechanism of posterior cranial and sacral occipital presentations. Acta chir Acad Sci Hung 2 no.1: 21-35 '61.

1. II. Frauenklinik der Medizinischen Universitat, Budapest (Direktor: Prof. Dr. I.Zoltan).
(LABOR PRESENTATION)

KURIO-BOROWSKA, ZOFIA

BOROWSKI, Edward; KURIO-BOROWSKA, Zofia

Paper chromatography of antidiotic tetaine. Bull. Inst. Marine M. Gdansk 8 no.1-2:69-74 1957.

1. Z Instytutu Medycyny Morskiej w Gdanaku.
(ANTIBIOTICS, determ.
tetaine, chromatography)

SIMONAVICHENE, K.[Simonaviciene, K.]; KANTSLERIS, A.[Kancleris, A.], otv. za vypusk: KURIS, A., inzh., spets. red.; ABROMATIYENE,Kh, [Abromaitiene, H.], red.; YEFIMOVA, F., red.; PILKAUSKAS, K., tekhn. red.

[Mechanization and automation of production processes in the wood-working industries; bibliographical index] Medzio apdirbimo pramones gamybos procesu mechanizavimas ir automatizavimas; bibliografine rodykle. Vilnius, 1961. 117 p. (MIRA 15:4)

1. Lithuanian S.S.R. Liaudies ukio taryba. Centrine moksline-technine biblioteka, Vilna.
(Bibliography--Woodworking industries)
(Bibliography--Automatic control)

ARTYUKHOV, V.G.; KURIS, A.L.

Separation of fusel oil in a four-column rectification apparatus. Spirt. prom. 28 no.7:41-43 '62. (MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Artyukhov). 2. Kamenskiy spirtovoy zavod (for Kuris).

ZAKHARENKO, I.P., kand. tekhn. nauk; KUPIS, L.M., inzh., BABENKO, K.Ya., inzh.

Hard alloy cutting instrument for ski processing. Der. prom. 14 no.8:25-26 Ag '65. (MIRA 18:10)

1. Institut sverkhtverdykh materialov Gosplana UkrSSR.

ZAKHARENKO, I.P.; KURIS, I.M., kand.tekhn.nauk

Workability of particle board by hard-alloy cutting tools. Bum.
i der. prom. no.1:21-24 Ja-Mr '65. (MIRA 18:10)

GALINKIN, B.Ye., kand.tekhn.nauk; KURIS, I.Ye.

Promote building-up by the weaving-arc method for reconditioning worn-out parts. Mashinostroitel' no.3:20-21 Mr '63. (MIRA 16:4)

(Electric welding)

GALINKIN, Boris Yevgen'yevich; KU[illegible], Iosif Yevdokimovich;
RES'ETNIKOV, N.S., red.

Repairing the parts of lumbering machines by building up and welding] Vosstanovlenie detalei lesozagotovitel'nykh mashin naplavkoi i svarkoi. Moskva, Lesnaia promyshlennost', 1964. 84 p. (MIRA 18:3)

SMIRNOV, O.V.; PRAVDIN, N.D.; KURIS, M.V.; CHAGIN, K.P.

DDT for protecting man from Xenopsylla cheopsis. Med.parazi. i parazi. bol.27 no.1:104-105 Ja-F '58. (MIRA 11:4)

(FLEAS,
human infestation by cat's fleas, DDT ther. (Rus))
(DDT, therapeutic use
human infestation by cat's fleas, results (Rus))

TULUZOV, G.N.; KUKISHCHENKO, A.M.; KISELEV, V.N.

Making average and large size iron castings in molds of chemically hardened mixtures. Lit.proizv. no.7:35-36 Jl '64.
(MIRA 18:4)

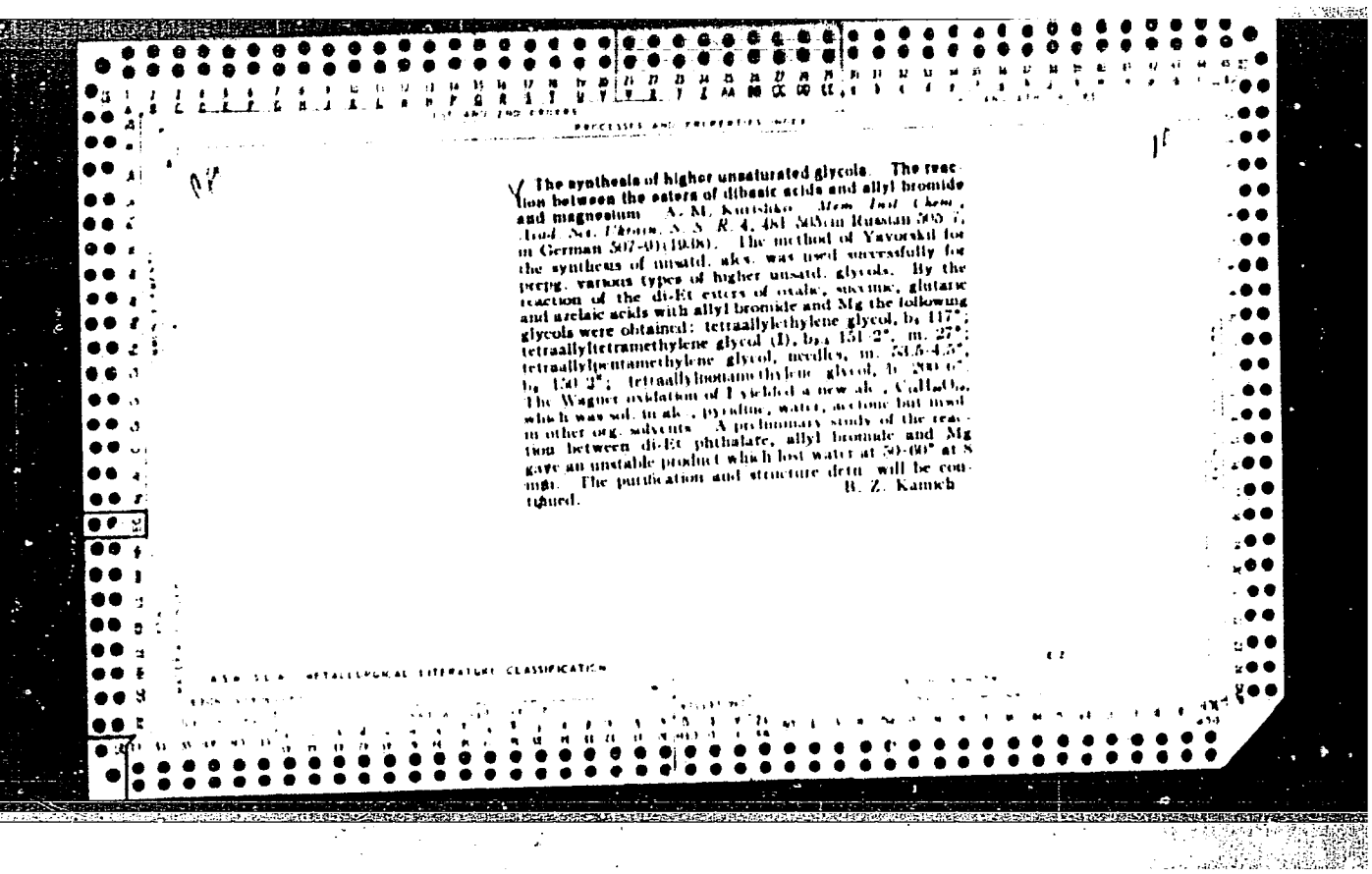
BERKUTOV, A.N., general-mayor meditsinskoy sluzhby, professor; KURISHCHENKO, K.A., kapitan meditsinskoy sluzhby

Treatment of gunshot wounds with the use of bicillin. Voen.-med. zhur. no.3:40-47 Mr '60. (MIRA 14:1)
(GUNSHOT WOUNDS) (PENICILLIN)

KURISHKIN, P.M. [Kuryshkin, P.M.], kand.med.nauk (Odessa)

Restorative surgery. Nauka i zhyttia 8 no.5:18-21 '58.
(MIRA 13:4)

(SURGERY, PLASTIC)



The synthesis of higher unsaturated glycols. The reaction between the esters of dibasic acids and allyl bromide and magnesium. A. M. Kuriskin. *Mem. Inst. Chem., Acad. Sci. Ukraine, S. S. R.* 4, 481-503 (in Russian 505-7; in German 507-9) (1938). The method of Yavorskii for the synthesis of unsatd. alcs. was used successfully for prepg. various types of higher unsatd. glycols. By the reaction of the di-Et esters of oxalic, succinic, glutaric and azelaic acids with allyl bromide and Mg the following glycols were obtained: tetraallylethylene glycol, b$_4$ 117°; tetraallyltetramethylene glycol (I), b$_{3.5}$ 151.2°, m. 27°; tetraallylpentamethylene glycol, needles, m. 53.5-4.5°, b$_4$ 150.2°; tetraallylhexamethylene glycol, b$_4$ 180.6°. The Wagner oxidation of I yielded a new alc., $C_{14}H_{26}O_6$, which was sol. in alc., pyridine, water, acetone but insol. in other org. solvents. A preliminary study of the reaction between di-Et phthalate, allyl bromide and Mg gave an unstable product which lost water at 50-60° at 8 mm. The purification and structure detn. will be continued. B. Z. Kamich

KURIENKO, A. M., PERETYAZHKO, N. S.

Chemistry, Organic - Synthesis, Glycols

Interaction of malonic, pimelic and sebacic acid esters with allyl bromide and magnesium; synthesis of bitertiary glycols of series $C_nH_{2n-}(OH)_2$. Dokl. AN SSSR/No. 3, 1952 82

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

USSR/Chemistry - Condensation processes

Card 1/1 : Pub. 22 - 28/46

Authors : Kurishko, A. M.

Title : Condensation of tetraallyl di-ternary dihalogen derivatives with methyl iodide under the effect of magnesium

Periodical : Dok. AN SSSR 97/4, 679-682, Aug 1, 1954

Abstract : The condensation of tetraallyl di-ternary dibromo derivatives (4,7-dibromo-4,7-diallyl-1,9-decadiene and 4,13-dibromo-4,13-diallyl-1,15-hexadecadiene) with methyl iodide in the presence of Mg, was investigated. It was established that the dibromides, in the given condensation process, dehydrohalogenate with consequent resinification of the hexaene hydrocarbons. Chemical formula, explaining the complete condensation process and its results, is included. Five references : 4-USSR and 1-USA (1938-1953).

Institution : State University, Uzhgorod

Presented by : Academician B. A. Kazanskiy, April 3, 1954

USSR/Chemistry - Synthesis

Card 1/1 : Pub. 22 - 20/48

Authors : Kurishko, A. M. and Mikhaylovnina, A. A.

Title : Reaction of fumaric and maleic acid esters with allyl halide and Mg Synthesis of cis- and trans-form 4,7-diallyldecatriene - 1,5,9-diol-4,7

Periodical : Dok. AN SSSR 97/5, 831-833, August 11, 1954

Abstract : Experimental data on the synthesis of cis-and trans- 4,7-diallyl-decatriene-1,5,9-diol-4,7, are presented. The trans-form of the given glycol (diol) was obtained through the reaction of ethyl fumarate with allyl chloride and magnesium in an absolute ester medium. The cis-form of the glycol was derived from the reaction of ethyl maleate with allyl bromide and magnesium in an absolute ester medium. Data on the hydroxyl groups, molecular weight, density and bromine number of the synthesized glycol, are included. Six references: 3-USSR; 2-USA and 1-French (1899-1952).

Institution : State University, Uzhgorod

Presented by : Academician B. A. Kazanskiy, April 3, 1954

SOV/81-59-16-59067

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 483 (USSR)

AUTHORS: Kurishko, A.M., Kovach, S.S., Smolanka, I.V.

TITLE: The Preparation of a Thermoreactive Water-Soluble Resin for the Gluing of Veneer and Veneered Furniture Parts on the Base of Phenol and Formalin of the Wood-Pulp Chemical Plants of the Transcarpathian Region

PERIODICAL: Dokl. i soobshch. Uzhgorodsk. un-t, 1958, Nr 2, pp 85-86

ABSTRACT: The search is described of a method for increasing the yield of phenols from light creosote or flotation oil, boiling at > 210°C, by means of thermal dealkylation and isomerization of higher phenols. The obtained phenols at condensation with formalin produce resins which have high gluing properties in the production of veneer and veneered furniture parts as well as in the manufacture of carpenter and construction plates made of sawdust and wood chips. The development of the technological process in the workshop for the production of resin is also described.

Z. Ivanova.

Card 1/1

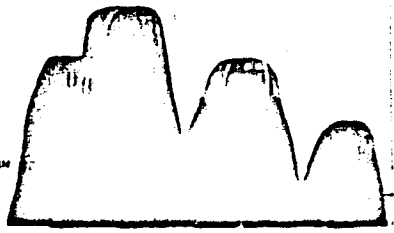
KURISHKO, A.M.

ЛИГНИТЫ ЗАКАРПАТЬЯ,
ИХ СОСТАВ И ПУТИ ИСПОЛЬЗОВАНИЯ

A. M. Куришко

VIII Mendeleyev Congress for General and Applied Chemistry
Section of Chemistry and Chemical Technology of Fuels,
publ. by Acad. Sci. USSR, Moscow 1959

Abstracts of reports scheduled to be presented at above mentioned congress,
Moscow, 13 March 1959.



L 8137-66 EWT(m)/EWP(j) RM

ACC NR: AP5025028 SOURCE CODE: UR/0286/65/000/016/0082/0082

AUTHORS: Antykov, A. P.; Kurishko, A. M.; Kucherova, M. N.

ORG: none

TITLE: Method for obtaining technical rubbers. Class 39, No. 173939

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 82

TOPIC TAGS: rubber, vulcanizate, vulcanizing mixture, vulcanization, resin, potassium compound

ABSTRACT: This Author Certificate presents a method for obtaining technical rubbers on the basis of natural or synthetic rubber SKS-30 by heating, rolling and vulcanizing a rubber mixture. To improve the physico-mechanical properties of the rubbers, potassium salts of chlorinated resins, derived according to Author Certificate No. 173938, are introduced into the rubber mixture. The potassium salts of the chlorinated resins are introduced to the extent of 15-30%.

SUB CODE: OC/ SUBM DATE: 24Jun63

Card 1/1 UDC: 678.046.78:546.32--38 678.762.2--134.622 678.4

ZASTEZHKO, Yu.S.; TERDOVITOV, A.S.; KURISHKO, V.A.

Possibility of flush production of thermal waters with static levels below the earth's surface. Neft. i gaz. prom. no.2:34-37 Ap-Je '65. (MIRA 18:6)

GORDIYEVICH, Vyacheslav Afanas'yevich; KURISHKO, Vadim Arkad'yevich; LYCHAGIN, Georgiy Aleksandrovich; RISHES, Yevgeniya Aronovna; TKACHUK, Valentina Grigor'yevna, doktor geol.-miner. nauk; MEL'NIK, A.F., red.; MONZHERAN, P.F., tekhn. red.

[Hydrogeology of the Crimea and its oil and gas potentials] Gidrogeologiia Kryma i perspektivy ego neftegazonosnosti. Pod obshchei red. V.G.Tkachuk. Kiev, Izd-vo AN Ukr.SSR, 1963. 138 p. (MIRA 16:7)

1. Institut mineral'nykh resursov AN Ukr.SSR (for Tkachuk, Kurishko).
(Crimea--Petroleum geology) (Crimea--Water, Underground)

KURISHKO, V.B.

[illegible], V.B., [illegible]

Workers of a communist labor enterprise and their achievements. Avtom. telem. i svyaz' 5 no.9:[illegible] S '61. (MIRA 14:10)

1. [illegible]dolbunovskaya distantsiya signalizatsii i svyazi L'vovskoy dorogi (for Kurishko). 2. Sekretar' partiynoy organizatsii dolbunovskoy distantsii signalizatsii i svyazi L'vovskoy dorogi (for [illegible]).

(Railroads—Employees)

KURISHKOV, E.L.

USSR/ Miscellaneous - Political propoganda

Card 1/1 Pub. 138 - 4/10

Authors : Kurishkov, E.L.

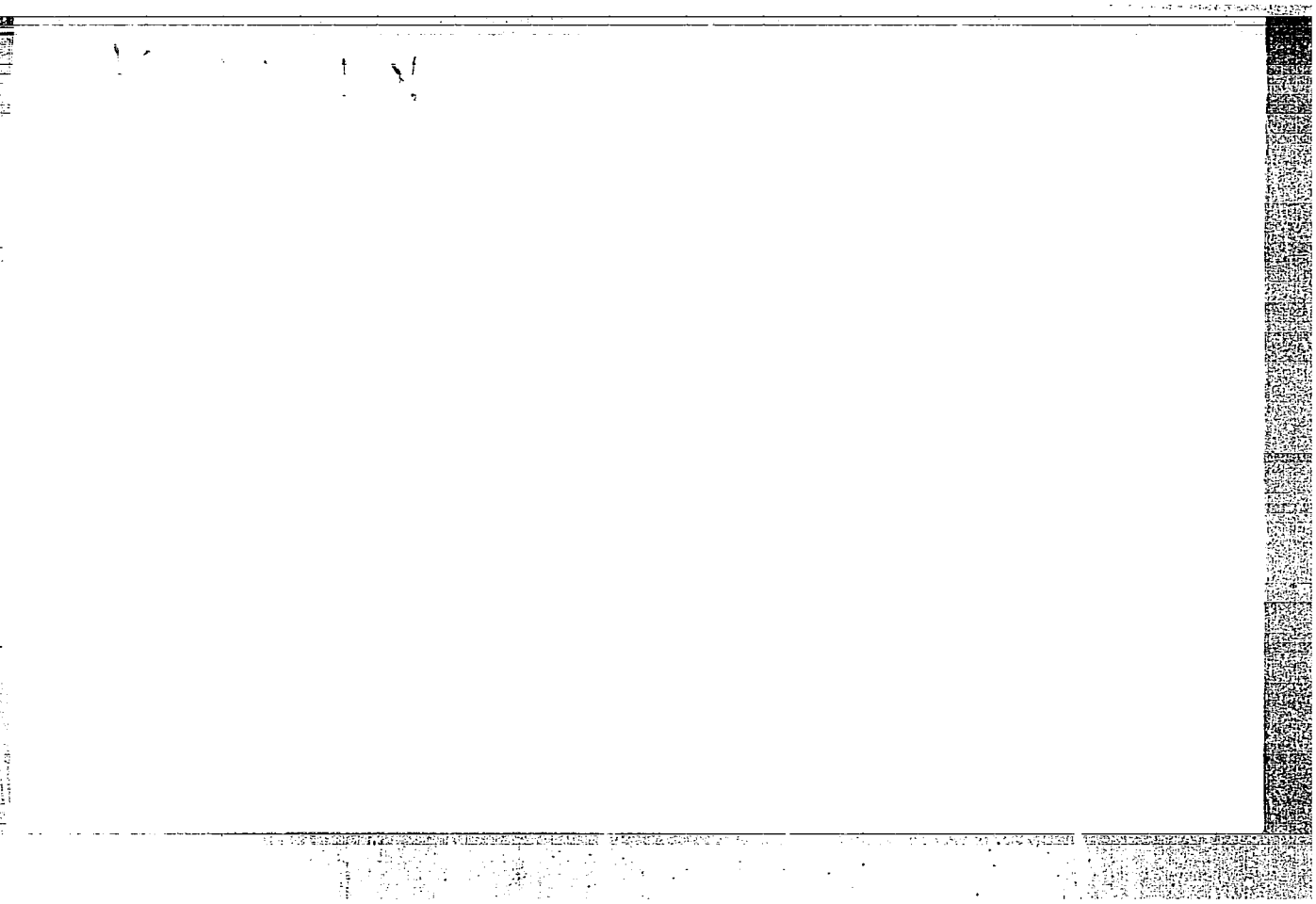
Title : For international representation of the Ukrainian SSR

Periodical : Visnik AN URSR 5, 46-56, May 1954

Abstract : Data are presented on the representation of the Ukr. SSR at the Central Committee of the Communist Party of the USSR since the October (1917) revolution. Twelve USSR references (1654-1954).

Institution: .....

Submitted: .....



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KURIS'KO A. I.

Electrochemistry

Dissertation: "Investigation of the Constants of Dissociation of Polymorphic Substances in Nonaqueous Solutions," Cand Chem Sci, Knar'Kov Polytechnic Inst, Khar'Kov, 1953. (Referativnyy Zhurnal--Khimiya, Moscow, No 3, Feb 54)

SO: SUM 213, 20 Sept 1954

SOV/51-5-1-15/19

AUTHORS: Urazovskiy, S.S. and Kurisko, A.I.

TITLE: On the Anomaly in the Temperature Dependence in the Refractive Index of Cis-Decahydronaphthalene (Ob anomalii temperaturnoy zavisimosti pokazatelya prelomleniya tsis-dekagidronaftalina)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 1, pp 86-88 (USSR)

ABSTRACT: Investigations of the temperature dependences of such physical properties as surface tension (Ref 1), heat capacity (Ref 2) or permittivity in the centimetre region (Ref 3) of cis-decahydronaphthalene (cis-decalene) had shown anomalies near 50°C, i.e. at a temperature which is far from the melting point of this substance. Mizushara and Seyer (Ref 6) studied the temperature dependence of the refractive index of both isomers of decahydronaphthalene. For cis-decalene they found a small departure from linearity near 50°C. To check this observation the present authors re-investigated the temperature dependence of the refractive index of the cis-isomer. The measurements were made using a Pulfrich refractometer IRF-23 and a precision refractometer of the Abbe-type. A sodium lamp was used as the source of light. The temperature was controlled to 0.01°C.

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On the Anomaly in the Temperature Dependence in the Refractive Index of Cis-Decahydronaphthalene

Readings were taken after 15-20 mins from establishment of a given temperature. The refractive index was measured in the temperature region from 35-62°C. Near 50°C measurements were made every 0.2°C. Measurements were made both with rising and falling temperatures and no hysteresis was observed. Cis-decalene was made by catalytic hydration of naphthalene and it boiled at 193.3°C. Its refractive index at 20°C was 1.48112. Fig 1 shows the results of measurements. The lower curve shows the difference (δ) between the experimental value of the refractive index at a given temperature (n_t) and the value n'_t calculated from the equation $n'_t = n_0 - \alpha t$, obtained by the least-square treatment of six experimental points above 50°C. The results of Fig 1 lie on two intersecting straight lines which meet at 50.6°C. The break occurs at the temperature near which other

On the Anomaly in the Temperature Dependence in the Refractive Index of Cis-Decahydronaphthalene SOV/51-6-1-15/19

anomalies in the temperature dependences of physical properties of cis-decalene occur. The authors suggest that all these anomalies may be due to a structural change in the configuration of the cis-decahydronaphthalene molecule itself. There are 2 figures and 10 references, 4 of which are Soviet, 4 American and 2 English.

ASSOCIATION: Khar'kovskiy politekhnicheskiy institut im. V.I. Lenina (Khar'kov Polytechnical Institute imeni V.I. Lenin)

SUBMITTED: July 4, 1957

Card 3/3

1. Decahydronaphthalene - Refractive index 2. Decahydronaphthalene - Properties 3. Decahydronaphthalene - Temperature factors 4. Refractometers - Applications 5. Sodium lamps - Applications

KURIS'KO, A.S., inzh.

Empirical calculation for fastening expansion shells and plugs of wedge-shaped, slotted rods. Shakht. stroi. 7 no.4:8-9 Ap '63. (MIRA 16:3)

1. Kavkazskiy gosudarstvennyy inzhenerno-proyektnyy institut transportnogo stroitel'stva.

AUTHOR: Kuris'ko, A.S., Engineer. SOV/97-4-9/11

TITLE: Pre-cast Reinforced Concrete Lining to Single Track Railway Tunnels (Sbornaya zhelezobetonnaya obdelka odnoputnykh zheleznodorozhnykh tonneley).

PERIODICAL: Beton i Zhelezobeton, 1958 Nr 4, pp 157-159.

ABSTRACT: The author describes the change in method of tunnel constructions from insitu reinforced concrete to pre-cast reinforced concrete blocks forming a tunnel lining which, in many cases, reduces the size of the excavations and material used and especially saves on construction time. Experience gained by the (Kavgiprotrans) Kavkaz Planning Institute gives a fair idea of when it is practicable to use pre-cast concrete lining for these constructions. Figure 1 shows a diagram of the relationship of the volume of the excavated material to its hardness for various types of tunnel linings. Figure 2 illustrates a diagram of the relationship between the consumption of concrete or reinforced concrete and various types of linings according to the hardness of the rock.

Card 1/3

Pre-cast Reinforced Concrete Lining to Single Track Railway Tunnels. SOV/97-4-9/11

Two examples of the most economically built tunnels using insitu concrete lining were constructed by the Metrogiprotrans and Kavgiprotrans in 1956. The method of calculation worked out by Candidate of Technical Science S.A. Orlov, could be used. Further special details published in a paper by G.P. Nadidze entitled "Assembly of Tunnels from Reinforced Concrete Blocks" were read at the All-Soviet Conference on reinforced concrete in Moscow in 1955. This paper was published by Gosstroyizdat in 1956. The book by R.D. Astvatsaturov: "Precast Large Block Linings from Light Concrete for Railway Tunnels" published in "Transportnoye Stroitel'stvo, 1950, Nr 9" which deals with various aspects of linings made from pre-cast reinforced concrete. Figures 3 and 4 illustrate sections of insitu concrete tunnels. Figure 5 illustrates longitudinal and cross section of a tunnel constructed from four types of pre-cast blocks built through rock, having a coefficient of hardness "f=4". Figure 6 illustrates longitudinal and cross section of a tunnel constructed from three types of pre-cast reinforced concrete blocks. Calculation of these blocks may be carried

Card 2/3

Pre-cast Reinforced Concrete Lining to Single Track Railway Tunnels. SOV /97-4-9/11

out by Professor S.S. Davydov's method. Figure 7 illustrates longitudinal and cross section of the pre-cast concrete lining of a circular shape used in soft rock. Figure 8 illustrates a tunnel of similar sections formed from pre-cast segmental units reinforced with strong flanges. Calculations of these circular shape linings were carried out in the Metrogiprotrans. Another method of calculation was presented by Candidate of Technical Science C.A. Orlov which takes into account the possibility of the bending of joints. This second method of calculation is more economical. There are eight figures.

1. Railroad tunnels--Construction 2. Reinforced concrete--Applications

Card 3/3

KURIS'KO, A.

Useful book ("Examples of planning tunnels for automobile roads" by IA. S.Fain. Reviewed by A. Kuris'ko). Avt. dor. 21 no. 7:27 Jl '58. (MIRA 11:8)

(Kuris'ko, A.)
(Fain, Ya. S.)

KURIS'KO, A.

A good manual (Highway tunnels" by V.P.Volkov. Reviewed by A.Kuris'ko. Avt.dor. 21 no.10:29-30 O '58. (MIRA 11:11)
(Tunnels) (Volkov, V.P.)