The Reaction of 1,3-Dichlorobutene-2 With Chloroprene Under the Action of Friedel - Krafts - Gustavson Catalysts. II 79-28-3-2/61

1,4, forming products containing one, two, three or more molecules. The product of the reaction of one molecule 1,3-dichlorobutene-2 with one molecule chloroprene has the structure of 1,3,7-trichloro-octadiene-2,6. There are 8 references, 3 of which are Soviet.

SUBMITTED: March 5, 1957

Card 3/3

AUTHORS: Klebanskiy, A. L., Sayadyan, A. G., Barkhudaryan, M. G. 79-28-4-7/60

TITLE: Interaction of the 1,3 Dichlorobutene-2 With Isoprene and Divinyl Under the Action of $FeCl_3$. III (Vzaimodeystviye 1,3-dikhlorbutena-2 s izoprenom i divinilom pod vliyaniyem $FeCl_3$. III)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 4, pp. 881-884 (USSR)

ABSTRACT: In the previous paper the investigation results of the reaction of 1,3-dichlorobutene-2 with chloroprene under the action of the catalysts by Fridel'-Krafts - Gustavson (Zhurnal Obshchey Khimii, 1958, Vol. 28, pp. 574) were demonstrated. The authors continued work in this direction and investigated the reaction of the interaction of 1,3-dichlorobutene-2 with isoprene and divinyl in the presence of $FeCl_3$. In both cases the formation of low molecular as well as of resinoid products was observed. They did not succeed in precipitating the

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primary product by using the catalyst $AlCl_3$. For this reason further experiments were carried out only with the catalyst $FeCl_3$. On this occasion concentration did not surpass 0.25 mol %. In the case of higher concentration the number of the high molecular products increased with simultaneous decrease of the yield of the primary addition compound, which rendered difficult the precipitation of the latter. In reactions with isoprene as well as in those with divinyl the compound of the products influences the interaction of the initial substances on which occasion the yield of the primary additional compound increases with the increase of 1,3 dichlorobutene-2 excess. In the addition of 1,3-dichlorobutene-2 as primary product to isoprene the formation of 6 products may be expected as result according to the direction of the additions 1,4; 4,1; 1,2; 2,1; 3,4 and 4,3. It was found that the addition mainly takes place in position 1,4 with the formation of compound (I)

$$CH_2ClCH{=}CHCH_2CH_2C(CH_3){=}CHCH_2Cl \qquad (I)$$

$$CH_2{=}C(CH_3){-}CH{=}CH_2 \qquad (II)$$

The structure of the formed product was proved by ozonization. No addition products of two 1,3-dichlorobutene-2 molecules to one isoprene molecule are observed in the reaction mixture. In the addition of 1,3-dichlorobutene-2 as primary product to divinyl the formation of three different reaction products can be expected according to the direction of the addition (1,4; 1,2 or 2,1). The method of ozonolysis was used for the determination of the structure. The result shows that the addition takes place also in this case mainly in the 1,4 position and that a compound:

$$CH_2CCl=CHCH_2CH_2CH=CHCH_2Cl$$

forms.

Also in this case no addition products of two 1,3-dichlorobutene-2 molecules to one divinyl molecule were observed in the reaction mixture. The results of the investigation proved that in the case of chloroprene as well as with isoprene the reaction of telomerization takes place

Interaction of the 1,3-Dichlorobutene-2 With Isoprene and Divinyl Under the Action of $FeCl_3$ III

SOV/79-28-4-7/60

under the formation of higher molecular compounds.
Conclusion. It was found that in the interaction of 1,3 dichlorobutene-2 with isoprene and divinyl tarry high molecular material as well as low molecular primary addition products are formed. 1,7-dichloro-3-methyl octadiene-2,6 an addition product of 1,3-dichlorobutene-2 to isoprene in position 1,4 was precipitated. 1,7-dichloro octadiene-2,6 an addition product of 1,3-dichlorobutene-2 to divinyl in position 1,4 was precipitated.
There is 1 table. 0 references.

SUBMITTED: March 25, 1957

Card 4/4

SAYADYAN, A.G.; KLEBANSKIY, A.L.; BARKHUDARYAN, M.G.

Film-forming substances from polymers of 1,3-dichlorobutene-2 and divinylacetylene. Lakokras. mat. i ikh. prim. no.4:27-29 '61. (MIRA 16:7)

(Films(Chemistry)) (Polymers)
(Lacquer and lacquering)

BARKHUDARYAN, S. S.

"The Interrelation of Types of Internal Inhibition." Dr. Biol Sci, Inst of Physiology imeni I. P. Pavlov, Acad Sci USSR, Leningrad, 1955. (KL, No 13, Mar 55)

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

BARKHUDARYAN, S.S.

Materials on the characteristics of dogs with an intermediate type of nervous system. Trudy Inst.fiziol. 5:203-216 '56. (MLRA 10:1)

1. Laboratoriya eksperimental'noy genetiki vysshey nervnoy deyatel'nosti. Zaveduyushchiy - V.K.Krasuskiy.
(TEMPERAMENT) (NERVOUS SYSTEM)

BARKHUDARYAN, S.S.

Physiological mechanism of the interaction of two distinct differentiations. Fiziol.zhur. 46 no.6:718-725 Je '60. (MIRA 13:8)

1. From the Sechenov Institute of Evolutional Physiology, Academy of Sciences of the U.S.S.R., Leningrad.
(CONDITIONED RESPONSE)

BARKIDIJA, Stijepo, inz. (Rijeka, ul. Viktora Cara Emina 3/I)

Nuclear propulsion of ships. Tehnika Jug:Suppl.:Masinstvo 12 no.2:298-304 Fe '63.

1. Pomocnik glavnog direktora Brodogradilista "3. Maj", Rijeka.

BARKIDZIJA, Stijepo, inz.

Tracing in our shipyards. Brodogradnja 5 no.4:181-184 '54.

BARKIGJIJA, Stijepko, inz.

Optical tracing in shipbuilding. Brodogradnja 5 no.2:54-62 '54.

BARKIGJIJA, Stijepo, inz.

Some observations and data relative to the construction of the hull. Brodogradnja 6 no.1:1-11 '55.

BARKIDIJA, Stijepo, inz. (Rijeka, ul. Viktora Cara Emina)

Trends in the building of freighters. Tehnika Jug 18 no. 8: Supplement: Masinstvo 12 no. 8: 1498-1504 Ag '63.

1. Pomocnik glavnog direktora Brodogradilista "3. maj", Rijeka.

BARKIDIJA, Stijepo, dipl. inz.

Gas cutting in shipbuilding. Strojarstvo 6 no.1/4:14-20 '64.

BARKIN, Yefim Borisovich, prof.; SOKOLOVA, Ye.G., red.; GABERLAND, M.I., tekhn. red.

[Pigmentary tables for studying the acquired pathology of color vision] Pigmentnye tablitsy dlia issledovaniia priobretennoi patologii tsvetovogo zreniia. Izd.2., perer. i dop. Moskva, Gos. izd-vo med.lit-ry Medgiz, 1960. 32 p. plates (MIRA 14:6)
(COLOR SENSE)

USSR/Medicine Biology - Regeneration, 21 Apr 52
Healing of Wounds

"Distribution of Ribonucleic Acid in Cells in the Regeneration Which Follows the Amputation of Extremities of White Mice," N. F. Barkina, Inst of Animal Morphol imeni A. N. Severtsov, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXXIII, No 6, pp 917-919

In mice, which do not regenerate amputated extremities, an increased development of ribonucleic acid during the process of healing takes place in the connective tissue only. The process differs from that occurring after amputation of extremities of young tadpoles (stages up to IIb) and axalotls, which

223T28

regenerate the amputated member under increased formation of ribonucleic acid in all tissues. In mice and other animals that do not regenerate members (tadpoles of stage IIIa), the 1st stage of regeneration (that of destruction and de-differentiation) is skipped. Presented by Acad A. I. Abrikosov 28 Feb 52.

223T28

BARKINA, N. F.

36796
S/137/62/000/004/058/201
A052/A101

24.7700

AUTHORS: Barkinkhayev, Kh. G., Aliyev, G. M., Kerimov, I. G.

TITLE: The effect of gallium admixture on electric properties of pure selenium

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 50 - 51, abstract 4G331 ("Izv. AN AzerbSSSR. Ser. fiz.-matem. i tekhn. n.", no. 3, 1961, 63 - 74, Azerbaydzhanian summary)

TEXT: The effect of Ga on electric properties of pure Se was studied as well as the possibility of substituting by gallium the haloid admixtures applied at present in the industry. The Se used had a purity of 99.9996%. Ga was introduced both as GaSe and in the metallic form. When producing Ga and Se samples, a mechanical mixture of Se powder and metallic Ga was charged into ampoules, which were evacuated to the pressure of 10^{-4} mm mercury column and placed in a muffle furnace where the temperature was gradually raised up to 800°C. The exposure was 4 hours and thereafter the mixture was cooled with the furnace. When preparing Se and GaSe samples, the mechanical mixture in evacuated ampoules was heated to 1,100°C. The electric conductivity was measured by a sound method in the tempera-

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S/137/62/000/004/058/201
A052/A101

The effect of gallium admixture on...

ture range of 20 - 200°C both on pure Se samples and on those with 0.25, 0.5, 1, 2, 3 and 4 weight % Ga. It has been shown that with an increased Ga concentration the electric conductivity increases, reaches maximum, and then drops. At 4% Ga, added in the form of GaSe, Se changes metallic character of conductivity into semi-conductor one. The electric conductivity of Se samples with a metallic Ga admixture increases with the temperature. The differential thermoelectromotive force was measured in the temperature range of 20 - 200°C. At indoor temperature the thermoelectromotive force of Se is 914 μv/degree, and it drops rapidly with the increase of temperature. Samples with a Ga admixture have a hole type conductivity. GaSe and metallic Ga admixtures change essentially the course of the temperature dependence of the thermoelectromotive force of pure Se. The thermoelectromotive force of Se with a GaSe and metallic Ga admixture increases essentially with the temperature. The hole mobility in Se with a GaSe admixture increases with the temperature, and in Se with a metallic Ga admixture it decreases up to 70°C and increases with a further increase of the temperature.

B. Turovskiy

[Abstracter's note: Complete translation]

Card 2/2

24.7760

S/058/62/000/005/084/119
A061/A101

AUTHORS: Aliyev, G. M., Abdullayev, G. B., Barkinkhoyev, Kh. G., Kerimov, I.G.

TITLE: Electrical properties of pure selenium

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 29, abstract 5E230 ("Me'ruzeler. AzerbSSR Yelmler Akad. Dokl. AN AzerbSSR", 1961, v. 17, no. 7, 569 - 574; Azerb. summary)

TEXT: The temperature dependence of concentration n and of mobility μ of p-type carriers in Se has not been fully clarified yet. In semiconductors, n grows usually while μ drops with a rise of temperature. The inverse was true of Se material of a purity of 99.994%. Functions characteristic of semiconductors were obtained with Se of purity 99.9996%. Diagrams were plotted with the results of measurements, performed between 0 and 200°C, on electrical conductivity, thermo-emf, and the dependence calculated for n and μ using these data.

B. Ol'khov

[Abstracter's note: Complete translation]

Card 1/1

ACCESSION NR: AP4005130 S/0249/63/019/008/0009/0013

AUTHORS: Abdullayev, G. B.; Aliyev, G. M.; Barkinkhoyev, Kh. G.

TITLE: Effect of gallium impurities on the thermal conductivity of hexagonal selenium

SOURCE: AN AzerbSSR. Doklady*, v. 19, no. 8, 1963, 9-13

TOPIC TAGS: selenium thermal conductivity, selenium, thermal conductivity, hexagonal selenium, gallium impurity effect, gallium impurity, gallium, amorphous selenium, metallic impurity, selenium valve, Ioffe formula, phonon mechanism, absorption coefficient, crystalline selenium, nonmetallic impurity, crystal lattice, metallic gallium impurity, selenium doping, phonon scattering

ABSTRACT: The influence of metallic gallium admixtures on the heat conductivity λ of crystalline selenium in the temperature interval of 85-450K has been studied. Cylindrical crystal agglomerates of pure selenium with 0, 0.25, 0.50, 1.0, 2.0, 3.0 and 4.0 wt % were tested. Their diameters were 10-12 mm and their lengths 10-13 mm. Tests were conducted under static conditions. To avoid radiation heat losses, lateral surfaces of the specimens were coated with india ink and carbon black. It

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ACCESSION NR: AP4005130

was found that at 299K λ reached its maximum for the 1% admixture. A study of temperature-λ relations for 3 samples brought out the existence of minima in the 300-330 K range. The electron component of λ was estimated to be on the order of 10^{-8}-10^{-10} cal/cm sec degree. The phonon theory of heat conductivity indicates that for the Debye temperatures and above, λ is inversely proportional to T:

$$\lambda = a\frac{1}{T}\frac{кал}{см \cdot сек \cdot град} \qquad (1)$$

The present experiments confirmed this theory for T between the temperatures of liquid nitrogen and room temperature (with coefficient a varying from 0.75 to 0.98 for different samples). At higher temperatures (350K) an increase in λ, reaching 25-30% at 409K, was observed. This increase is attributed to the photon mechanism and to heat being conducted by electromagnetic readiation. The authors thank O. G. Kerimov, director of the heat laboratory, for his interest and valuable suggestions. Orig. art. has: 3 graphs, 1 table, and 3 equations.

ASSOCIATION: Institut fiziki AN AzerbSSR (Institute of Physics AN AzerbSSR)

SUBMITTED: 23May63 DATE ACQ: 20Jan64 ENCL: 00

Card 2/3

ACCESSION NR: AP4005130

SUB CODE: PH NO REF SOV: 015 OTHER: 004

Card 3/3

ACCESSION NR: AP4027708 S/0233/63/000/006/0073/0078

AUTHOR: Barkinkhoyev, Kh. G.; Askerov, Ch. M.; Aliyev, G. M.

TITLE: The effect of a mercury admixture on the electric properties of selenium

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiz.-matem. i tekhn. nauk, no. 6, 1963, 73-78

TOPIC TAGS: mercury, mercury vapor, selenium, electric conductivity, diffusion factor, component suspension, molybdenum ampule, thermoelectromotive forces doner level, acceptor level

ABSTRACT: The investigation into the effect of mercury impurities on the electric properties of selenium was prompted by the contradictory opinions on this subject published in literature. The samples involved in the test were molybdenum ampules with selenium and mercury. Following a special treatment, the samples were crystallized at 210C for 25 hours. The electric conductivity and thermoelectromotive force were then measured by the compensation method, and the graphs were plotted on the basis of the mean values of several measure-

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ACCESSION NR: AP4027708

ments. The same samples were used for measuring the thermoelectromotive force in relation to copper within an 8-10 degree gradient and 20-200 C temperature range. The experimental data reveal that the small concentrations of mercury atoms in the selenium tend to reduce its electrical conductivity. This can be explained by the assumption that the mercury atoms in the selenium produce donor levels which increase with increasing impurities, intensifying their compensation of the selenium acceptor levels. Such an effect of the impurities prior to the full compensation of the selenium acceptor levels, should lead to a reduced electric conductivity. The increasing temperature relationship of the concentration and the reduced mobility of the current carrier in selenium are natural from the point of view of the band theory. All the data published in literature indicate that the mobility increases and the concentration of the current carriers in selenium decreases with temperature. But this problem, on the whole, is still not very clear. Orig. art. has: 6 figures

ASSOCIATION: AN AzerbSSR

SUBMITTED: 00 DATE ACQ: 17Apr64 ENCL: 00

SUB CODE: PH, CH NO REF SOV: 004 OTHER: 006

Card 2/2

BARKINKHOYEV, Kh.G.; ALIYEV, G.M.

Electric properties of selenium of varying purity in the solid and liquid phases. Izv. AN Azerb. SSR.Ser. fiz.-mat. i tekh. nauk no.3:95-101 '63. (MIRA 16:11)

ABDULLAYEV, G.B.; ALIYEV, G.M.; BARKINKHOYEV, Kh.G.

Thermal conductivity of selenium. Fiz. tver. tela 5 no.12:3614-3615 D '63. (MIRA 17:2)

1. Institut fiziki AN AzerbSSR, Baku.

ABDULLAYEV, G.B.; ALIYEV, G.M.; BARKINKHOYEV, Kh.G.

Effect of gallium impurities on the heat conductivity of hexagonal selenium. Dokl. AN Azerb. SSR 19 no.8:9-13 '63. (MIRA 17:11)

1. Institut fiziki AN AzSSR.

ACCESSION NR: AP4028423 S/0181/64/006/004/1018/1022

AUTHORS: Abdullayev, G. B.; Aliyev, G. M.; Barkinkhoyev, Kh. G.; Askerov, Ch. M.; Larionkina, L. S.

TITLE: Electrical properties of crystalline and liquid selenium after deoxygenation

SOURCE: Fizika tverdogo tela, v. 6, no. 4, 1964, 1018-1022

TOPIC TAGS: electric conductivity, selenium, deoxygenation, thermoelectromotive force, solid liquid study

ABSTRACT: The authors measured the electrical conductivity and the thermoelectromotive force of three samples of Se in the temperature interval 293-773K. The samples were characterized by the following impurity concentrations: 10^{-3}%, 10^{-4}%, and 10^{-5}% for the three samples, respectively. Measurements were made on all three samples before deoxygenation (ordinary Se) and on samples 1 and 3 after deoxygenation. Different jumps in conductivity were observed during fusion of all three samples of ordinary Se. The activation energy of electrical conductivity was found to be 2.05 ev for liquid Se of this type. In the solid phase, the thermoelectromotive force of sample 1 ordinary Se declined with increase in temperature. During

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ACCESSION NR: AP4028423

fusion the sign changed to negative, and in the liquid phase it increased in absolute value. The thermoelectromotive force of samples 2 and 3 ordinary Se in the crystalline state increased with rise in temperature. During fusion it fell sharply (to zero), did not change sign, and increased again in the liquid state. After deoxygenation, the conductivity at room temperature declined approximately by a factor of 100. No jumps were observed. The activation energy of the conductivity in such liquid Se became 0.6 ev. The thermoelectromotive force of samples 1 and 3 in the liquid state indicates n-type conductivity, increasing in absolute value. In crystalline Se of sample 3, no thermoelectromotive force was observed. It was observed in sample 1, but the value was small and corresponded to hole conductivity. "The authors express their thanks to Professor A. R. Regel' for his interest in the work and for his valuable advice." Orig. art. has: 1 figure.

ASSOCIATION: Institut fiziki AN Azerb. SSR, Baku (Institute of Physics, AN Azerb. SSR)

SUBMITTED: 18Sep63 ENCL: 00

SUB CODE: NO REF SOV: 004 OTHER: 011

Card 2/2

BARKLON, D.I.

GROSSMAN, B.S., inzhener; BARKLON, D.I., inzhener.

Parallel power supply for high voltage automatic block system lines. Avtom.,telem.i sviaz' no.5:36-38 My '57. (MLRA 10:7)
(Railroads--Signaling--Block system)

BARKLON, D.I., inzh.

Switching automatic blocking from direct to alternating current.
Avtom., telem. i sviaz' no.10:26-27 O '57. (MIRA 10:11)
(Railroads--Signaling--Block system)

BARKLON, D.I., inzh.

Testing method for feeding cables of track transformers. Avtom. telem. i sviaz' no.9:32 S '57. (MIRA 11:4)
(Electric cables--Testing)

BARKLON, L.I. (Ufa)

Existence of a solution to a certain class of systems of nonlinear integral equations. Izv.vys.ucheb.zav.; mat. no.6:3-15 '65. (MIRA 19:1)

1. Submitted October 24, 1964.

BARMAS, S. M. I

3342.. O Podgotovke Rukovodyashchikh Rabo'.i ov .dravo.ir .niya. Sov. Zdravookhraneniye, 19.9, No. 5, c. 43-.6.

SO. Letopis' Zhurnal'nykh Statey, Vo.. 5, Moskva, 1949

BARKMAN, E.M., professor

"Organization of medical and sanitary services to workers of the petroleum processing industry of the U.S.S.R." by Z.Pitskhelauri. Reviewed by E.M.Barkman. Sov.zdrav. 15 no.5:61-62 S-O '56. (MLRA 10:1)

(PETROLEUM INDUSTRY--HYGIENIC ASPECTS)
(PITSKHELAURI, Z.)

BARKMAN, E.M.; ZAMKOVA, Z.N.

"Organization and methods of dispensary services for the rural population" by R.V.Bannikov. Abstract by E.M.Barkman, Z.N.Zamkova. Zdrav.Ros.Feder.1 no.2:37 F '57. (MLRA 10:7)
(MEDICINE, RURAL) (BANNIKOV, R.V.)

BARKMAN, E.M.

Glorious anniversary. Sov.zdrav. 16 no.4:63-64 Ap '57. (MLRA 10:8)
(LEBEDEVA, VERA PAVLOVNA, 1881-)

BARKMAN, E.M.

"Public Health in the Daghestan Republic"; new periodical. Reviewed by E.M.Barkman. Zdrav.Ros.Feder. 1 no.6:29 Je '57. (MIRA 10:8)
(PUBLIC HEALTH--PERIODICALS)

Barkman, E.M.

BARKMAN, E.M.; ZAMKOVA, Z.N.

"Studying the requirements of industrial enterprise workers in therapeutic and prophylactic services" by I.V.Pustovoi [Abstracted by E.M.Barkman, Z.N.Zamkova]. Zdrav.Ros.Feder. 1 no.4:38 Ap '57. (MIRA 10:11)
(MEDICINE, INDUSTRIAL)
(PUSTOVOI, I.V.)

BARKMAN, B.M., prof.

Useful book ("Collection of methodical letters." No.2. "Specialized medical services in rural areas." Reviewed by B.M.Barkman). Zdrav. Ros.Feder. 2 no.2:34-35 F '58. (MIRA 11:3)
(MEDICINE, RURAL)

BARKMAN, E.M.; ZAMKOVA, Z.I.

"Organization of therapeutics in a consolidated hospital of a city district" by P.P.Obnorskii. Reviewed by E.M.Barkman. Zdrav.Ros. Feder. 2 no.3:38 Mr '58. (MIRA 11:3)
(HOSPITALS) (OBNORSKII, P.P.)

BARKMAN, E.M., prof., TOPEL'BERG, M.S.

Work on problems in the organization of public health being conducted at medical institutes. Zdrav.Ros.Fed. 2 no.9:3-9 S '58 (MIRA 11:10)

1. Iz Uchenogo soveta Ministerstva zdravookhraneniya RSFSR i kafedry organizatsii zdravookhraneniya (zav. - prof. N.A. Vinogradov) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva).
(PUBLIC HEALTH--STUDY AND TEACHING)

BARKMAN, E.M., prof.

Problems in the regular and advanced training of key public health personnel. Sov.zdrav. 17 no.8:19-23 Ag '58 (MIRA 11:9)
(PUBLIC HEALTH, educ
in Russia (Rus))

BARKMAN, E.M., prof.

Problems of public health in medical journals of the Union Republics of Central Asia; survey. Sov.zdrav. 18 no.6: 25-29 '59. (MIRA 12:8)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - prof. N.A.Vinogradov) TSentral'nogo instituta usovershenstvovaniya vrachey.

(PUBLIC HEALTH
in Union of Central Asian Republics (Rus))

BARKMAN, E.M., prof. (Moskva); GEKHTMAN, M.Ya., dotsent; KANT, V.I., aspirant (Kishinev)

Seminars for the chief doctors of districts. Zdrav.Ros.Feder. 4 no.2:30-33 F '60. (MIRA 13:5)
(MOLDAVIA--PUBLIC HEALTH--STUDY AND TEACHING)

BARKMAN, E.M., prof.

"Analysis of the financial and economic activity of a hospital" by I.A.Gorokhover. Reviewed by E.M.Barkman. Zdrav.Ros.Feder. 4 no.11: 40-41 '60. (MIRA 13:11)
(HOSPITALS--FINANCE)
(GOROKHOVER, I.A.)

BARKMAN, E., prof.

In memory of G.A.Batkis. Sov.zdrav. 19 no.10:88-89 '60.
(MIRA 14:1)

(BATKIS, GRIGORII ABRAMOVICH, d.1960)

BARKMAN, E.M., prof.

"Public health system in capitalist countries" by V.S.Grazhul'. Reviewed by E.M.Barkman. Sov.zdrav. 19 no.11:73-74 '60. (MIRA 13:11)

(PUBLIC HEALTH) (GRAZHUL', V.S.)

BARKMAN, E.M., prof.

"Organization of the inpatient section of a city hospital" by S.IA.Freidlin. Reviewed by E.M.Barkman. Sov.zdrav. 19 no.12: 70-71 '60. (MIRA 14:3)
(HOSPITALS—ADMINISTRATION) (FREIDLIN, S.IA.)

BARKMAN, E.M., prof.

"History of Russian medicine." Part 1: Period up to 1917, by P.E. Zabludovskii. Reviewed by E.M. Barkman. Zdrav. Ros. Feder. 5 no. 4:38 Ap '61. (MIRA 14:4)
(MEDICINE) (ZABLUDOVSKII, P.E.)

BARKMAN, E.M., prof.; FOFANOV, V.P.

Teaching of disability evaluation in medical institutes. Zdrav. Ros. Feder. 6 no.4:11-15 Ap '62. (MIRA 15:4)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - prof. N.A. Vinogradov) TSentral'nogo instituta usovershenstvovaniya vrachey (rektor M.D.Kovrigina).
(DISABILITY EVALUATION--STUDY AND TEACHING)

BARKMAN, E.M.; PUSTOVOY, I.V.

Ten-day courses for local organizers of public health. Zdrav. Ros. Feder. 6 no.4:43 Ap '62. (MIRA 15:4)
(PUBLIC HEALTH--STUDY AND TEACHING)

BARKMAN, E.M., prof.

"Planning and analysis of expenditures for hospital and polyclinic maintenance" by I.A.Gorokhover. Reviewed by E.M. Barkman. Zdrav.Ros.Feder. 6 no.12:30-31 D '62. (MIRA 16:1)
(HOSPITALS--ADMINISTRATION)(HOSPITALS--FINANCE)

BARKMAN, E. M.; FOFANOV, V. P.

"Collection of scientific and practical works on the organization of the public health system and the history of medicine". Reviewed by E. M. Barkman, V. P. Fofanov. Zdrav. Ros. Feder. 6 no.6:38-39 Je '62. (MIRA 15:7)

(PERM PROVINCE—DISEASES—REPORTING)
(PUBLIC HEALTH)

BARKMAN, E.M., prof.

"Russian intelligentsia and problems of social hygiene; first hygienic society in Russia" by E.I.Lotova. Reviewed by E.M. Barkman. Zdrav.Ros.Feder. 7 no.2:41-42 F '63. (MIRA 16:4)
(PUBLIC HEALTH) (LOTOVA, E.I.)

BARKMAN, E.M., prof.; FOFANOV, V.P., assistent

Work of the Department for the Organization of Public Health Service of the Central Institute for the Improvement of Physicians in carrying out periodic out-of-town activities. Zdrav. Ros. Feder. 7 no.5:21-23 My'63. (MIRA 16:6)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - prof. N.A.Vinogradov) TSentral'nogo instituta usovershenstvovaniya vrachey (rektor M.D.Kovrigina).
(PUBLIC HEALTH)

BARKMAN, E.M., prof (Moskva)

New stage in the improvement of the qualifications of leading personnel of the public health service. Zdrav. Ros. Feder. 7 no.9:29-31 S '63. (MIRA 16:10)

BARKMAN, E.M., prof. (Moskva)

Results of correspondence courses in improving the qualificatinns of instructors in medical history. Zdrav. Ros. Feder. 8 no.3: 39-40 Mr'64 (MIRA 17:4)

BARKMAN, O. M. Cand. Med. Sci.

"The Influence of Functional Irritations on the Healing of Post-Extraction Wounds and Formation of an Alveolus for Dental Prosthesis," Stomatoligiya, No.3, 1949.

Chair Orthopedic Stomatol. amd Chair Surgical Stomatol., Moscow Stomatol. Inst.

DOBROMYSLOV, N.S., arkhitektor; SOLYUS, Yu.M., inzh.; BARKO, A.S., arkhitektor

A new series of unified elements of panel walls. Prom. stroi. 42 no.8: 15-18 '65. (MIRA 18:9)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut promyshlennykh zdaniy i sooruzheniy.

BARKO, Sandor

From the life of the Kecskemant radio club. Radiotechnika 13 no.12:456 D '63.

ВАРГОС Л., МАРТА

GALL, Sandor, dr.; BODNAR, Sandor, dr.; BARKOCZI, Marta

Prevention of infantile alimentary lesions due to nitrate containing drinking water. Nepegeszsegugy 37 no.7:190-192 July 56.

1. Kozlemeny a Szabolcs-Szatmar megyei korhaz (igazgato: Salamon, Istvan, dr.) laboratoriumi osztalyarol (foorvos: Gall, Sandor, dr.) es Szabolcs-Szatmar megye kozegeszsegugyi-jarvanyugyi allomasarol (igazgato: Jesztrebenyi, Erno, dr.).

(METHEMOGLOBINEMIA, in inf. & child
caused by nitrate containing drinking water, prev. by control of open wells)

(WATER SUPPLY
nitrate containing drinking water causing methemoglobinemia in inf., prev. by control of open wells (Hun))

(NITRATES, inj. eff.
methemoglobinemia in inf. caused by nitrate containing drinking water, prev. by control of open wells (Hun))

BARKOCZY, Gyula

New, outstanding materials in the dyeing industry.
Magy kisipar 6 no.22:6 1 N '62.

1. Szobafesto- es mazolomester.

BARKOCZI, Ilona

"Nebraska symposium on motivation", edited by Marshall R. Jones. Reviewed by Ilona Barkoczi. Magy pszichol szemle 17 no.4:453-456 '60.

BARKOCZY, Istvan

Experiences with timber production and haulage with regard to select cutting. Erdo 12 no.11:481-486 N '63.

1. Tolnamegyei Allami Erdogazdasag Pari Erdeszetenek muszaki vezetoje.

BARKOCZY, Pal; SZOKE, Gyula, dr.

Economical questions of construcing dwelling house floors and ceilings with stressed concrete beams. Magy ep ipar 13 no.10:575-582 '64.

BARKOUSKI, S.

A tale about the people of Polesye ("Backwoods Town". Lidiia Obukhova. Reviewed by S.Barkouski). Rab. i sial. 32 no.3:15 Mr '56.(MLRA 9:7)
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BARKOUSKI, S.

With the blood of her heart ("Wooden rozary" by N.Rolleczek. Translated from the Polish. Reviewed by S.Barkouski). Rab.i sial. no.1:16 Ja '57. (MLRA 10:2)
(Rolleczek, Natalia)

1. CHIRKOV, I., BARKOV, A.

2. USSR (600)

4. Petroleum - Transportation

7. Circuit delivery of petroleum products in enterprises. Za ekon. mat. No. 2, 1953

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

VAVILOV, Ye.N.; PORTNOY, G.P. Prinimali uchastiye: BARKOV, A.A.; OSINSKIY, L.M.; LYUBIMOVA, T.M., red.; SVESHNIKOV, A.A., tekhn. red.

[Synthesis of the circuits of electronic digital] Sintez skhem elektronnykh tsifrovykh mashin. Moskva, "Sovetskoe radio," 1963. 439 p. (MIRA 17:3)

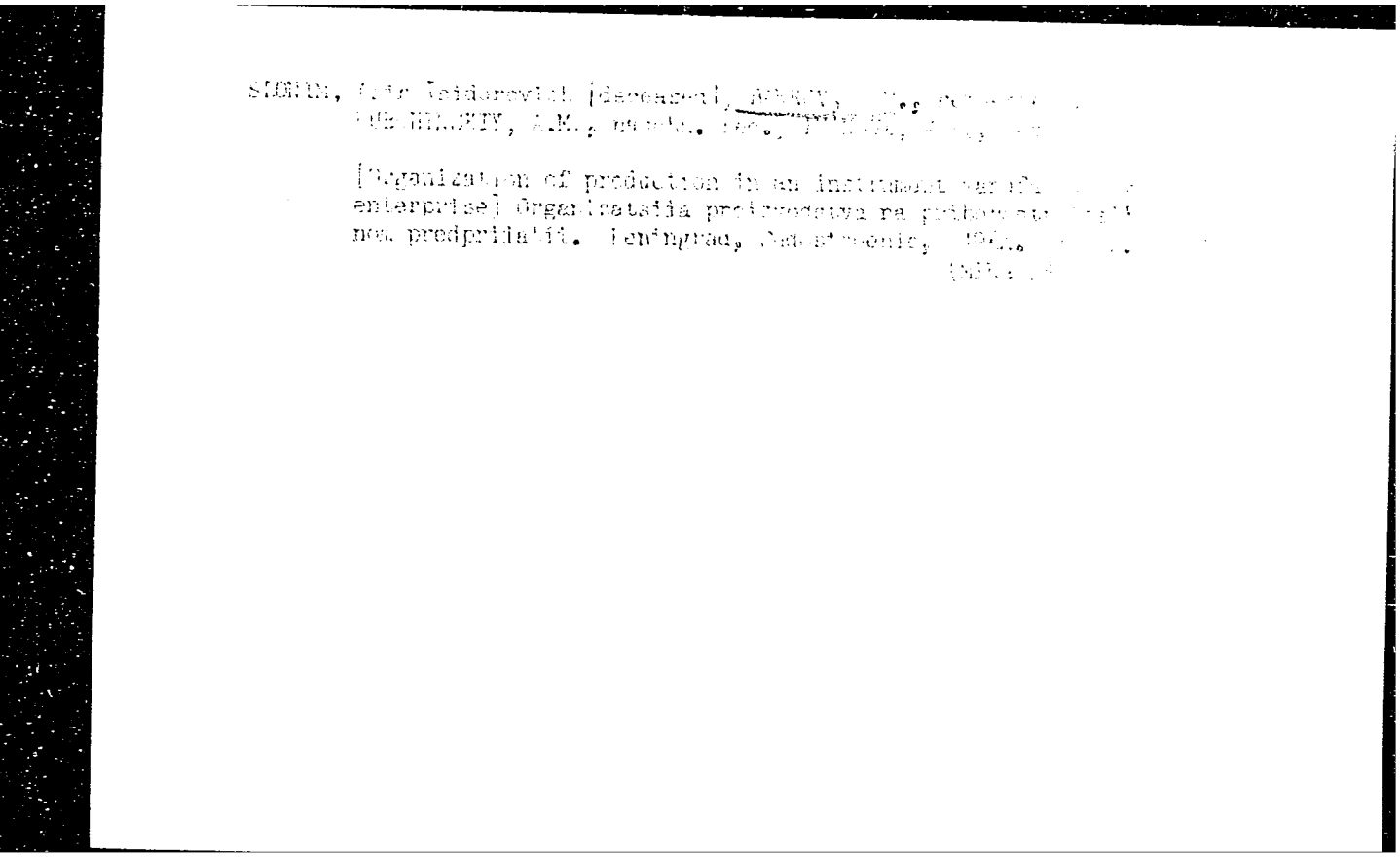
BABKOV, A., nauchnyy sotrudnik; KOSHECHKIN, B., nauchnnyy sotrudnik

The tsunami. Znan. ta pratsia no.9:8 S '60. (MIRA 13:9)

1. Laboratoriya aerometodov AN SSSR.
(Tidal waves)

BARKOV, A.M., kandidat ekonomicheskikh nauk.

Economic efficiency of specialized plant divisions in machine-building. Trudy LIEI no.10:61-71 '55. (MLRA 9:8)
(Factory management)
(Machine-tool industry--Production control)



BARKOV, A. S. DECEASED

Geography see ILC

BARKOV, B.A

38337 BARKOV, B. A. and TITOV, A. I.

Anatomicheskiye obosnovaniya poyasnichnykh boley posle kolopeksii po sposoby kyummelya. Sbornik trudov (Arkhang. gos. med. in-t), vyp. 9, 1949, s. 46-50. - Bibliogr: 12 nazv.

[illegible], [illegible]., Doc [illegible] Sci--([illegible]) "[illegible]

of the abdomen,"

[illegible] [illegible], 195[illegible]. [illegible] pp (Acad Med Sci USSR), [illegible] copies

([illegible],[illegible]-[illegible],135)

BARKOV, B.A.

Operative treatment of pendulous abdomen in diastases of the musculus rectus in women. Nov.khir.arkh. no.6:136 N-D '58.
(MIRA 12:3)

1. Fakul'tetskaya khirurgicheskaya klinika Arkhangel'skogo meditsinskogo fakul'teta.
(ABDOMEN--SURGERY)

BARKOV, B.A. (Arkhangel'sk)

On the method of repair of wounds of the chest wall in thoracic operations. Eksper.khir. 4 no.4:47-48 Jl-Ag '59.
(MIRA 12:11)

(THORAX surg)

BARKOV, B.A., dotsent

Clinical aspects, classification, and operative treatment of diastases of the rectus muscles of the abdomen. Sov.med. 23 no.11:71-75 N '59. (MIRA 13:3)

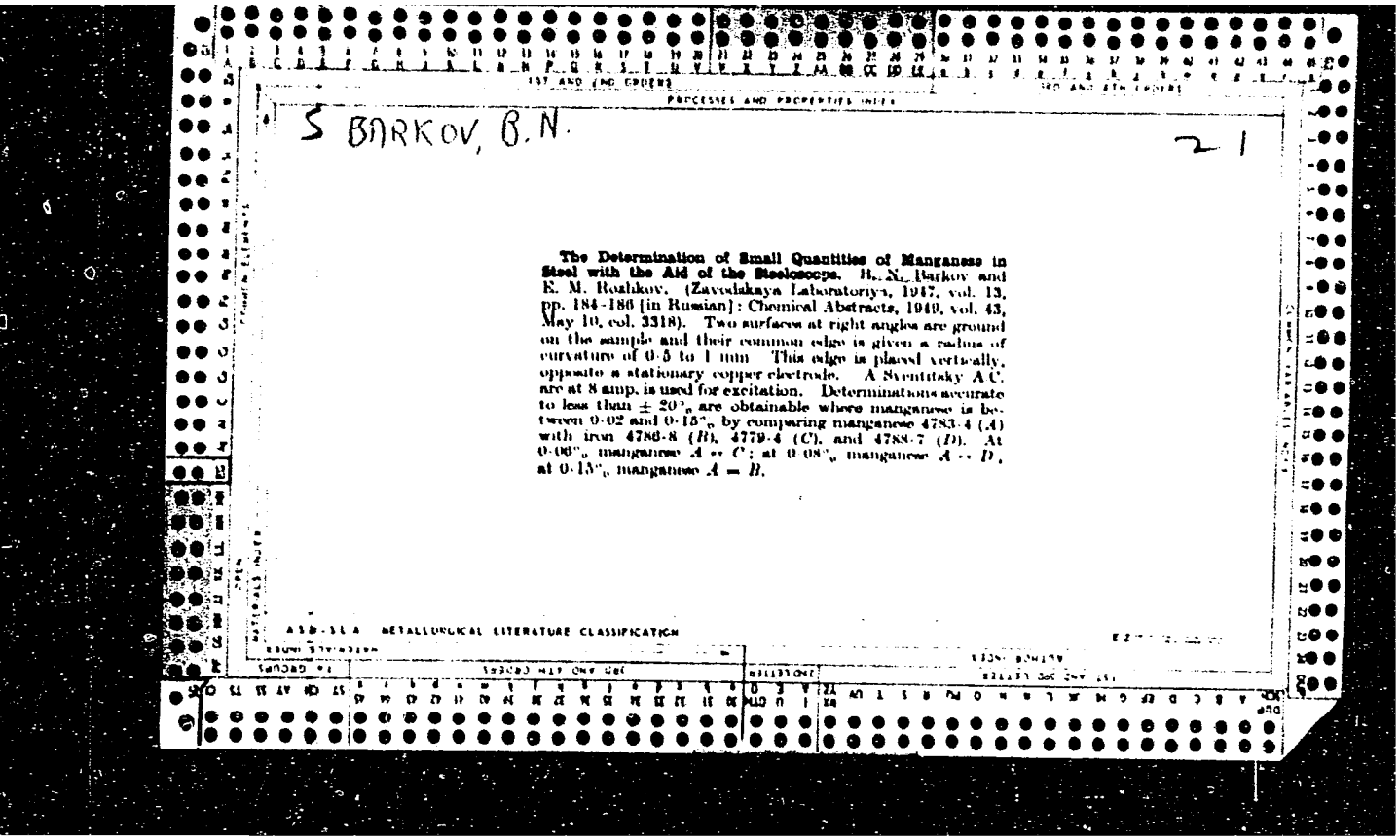
1. Iz kafedry fakul'tetskoy khirurgii Arkhangel'skogo meditsinskogo instituta (zaveduyushchiy - dotsent B.A. Barkov).
(MUSCLES diseases)
(ABDOMINAL WALL diseases)

NADGERIYEV, M.K., kand. med. nauk, otv. red.; BARKOV, B.A., prof., red.; PETROV, A.P., red.; SAMOTEYKIN, M.A., dots., zam. otv. red.; TSITRITSKIY, Ye.R., red.; MAMONTOVA, O.K., red.

[Papers on morphology and surgery; dedicated to the 35th anniversary of the medical, scientific-pedagogical and social work of Professor A.I.Labbok] Sbornik trudov po morfologii i khirurgii; posviashchennyi 35-letiiu vrachebnoi, nauchno-pedagogicheskoi i obshchestvennoi deiatel'nosti prof. A.I.Labboka. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1960. 310 p. (MIRA 15:7)

1. Blagoveshchenskiy gosudarstvennyy meditsinskiy institut. 2. Kafedra fakul'tetskoy khirurgii Severo-Osetinskogo meditsinskogo instituta (for Nadgeriyev). 3. Zaveduyushchiy Kafedroy fakul'tetskoy khirurgii Arkhangel'skogo meditsinskogo instituta (for Barkov). 4. Kafedra operativnoy khirurgii i topograficheskoy anatomii Blagoveshchenskogo meditsinskogo instituta (for Petrov). 5. Zaveduyushchiy Kafedroy patologicheskoy anatomii Blagoveshchenskogo meditsinskogo instituta (for Samoteykin).

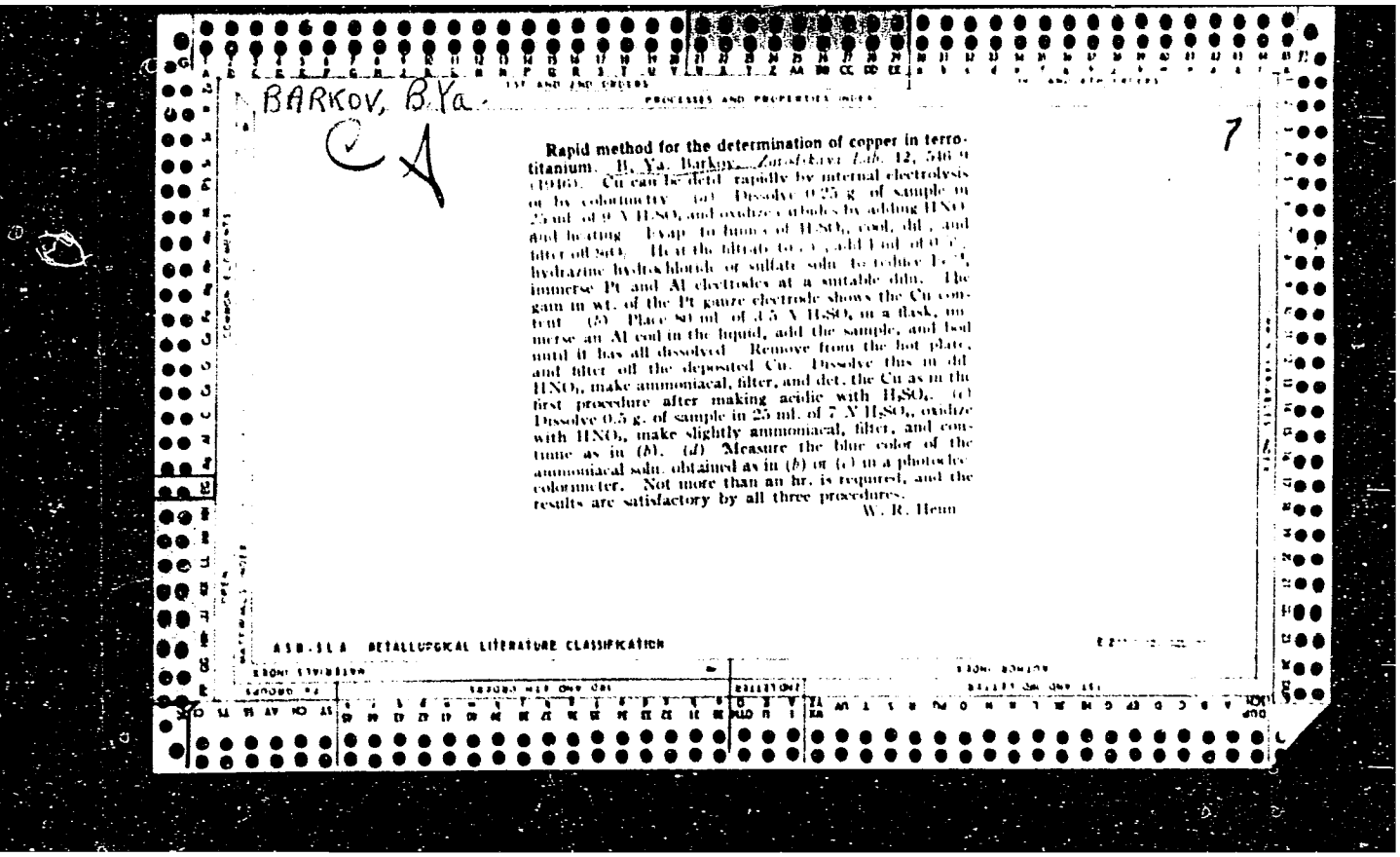
(LABBOK, ABRAM IOSIFOVICH, 1904-)
(SURGERY) (MORPHOLOGY)



S BARKOV, B. N.

21

The Determination of Small Quantities of Manganese in Steel with the Aid of the Steeloscope. B. N. Barkov and E. M. Rozhkov. (Zavodskaya Laboratoriya, 1947, vol. 13, pp. 184–186 [in Russian]: Chemical Abstracts, 1949, vol. 43, May 10, col. 3318). Two surfaces at right angles are ground on the sample and their common edge is given a radius of curvature of 0·5 to 1 mm. This edge is placed vertically, opposite a stationary copper electrode. A Sventitsky A.C. arc at 8 amp. is used for excitation. Determinations accurate to less than ± 20% are obtainable where manganese is between 0·02 and 0·15% by comparing manganese 4783·4 (*A*) with iron 4786·8 (*B*), 4779·4 (*C*), and 4788·7 (*D*). At 0·06% manganese $A = C$; at 0·08% manganese $A = D$, at 0·15% manganese $A = B$.



BARKOV, B.Ya.

CA

7

Rapid method for the determination of copper in titanium. B. Ya. Barkov. *Zavodskaya Lab.* 12, 546-9 (1946). Cu can be detd. rapidly by internal electrolysis or by colorimetry. (*a*) Dissolve 0.25 g. of sample in 25 ml. of 9 *N* H_2SO_4 and oxidize carbides by adding HNO_3 and heating. Evap. to fumes of H_2SO_4, cool, dil., and filter off SiO_2. Heat the filtrate to 60°, add 1 ml. of 0.2% hydrazine hydrochloride or sulfate soln. to reduce Fe^{+3}, immerse Pt and Al electrodes at a suitable distn. The gain in wt. of the Pt gauze electrode shows the Cu content. (*b*) Place 50 ml. of 4.5 *N* H_2SO_4 in a flask, immerse an Al coil in the liquid, add the sample, and heat until it has all dissolved. Remove from the hot plate, and filter off the deposited Cu. Dissolve this in dil. HNO_3, make ammoniacal, filter, and det. the Cu as in the first procedure after making acidic with H_2SO_4. (*c*) Dissolve 0.5 g. of sample in 25 ml. of 7 *N* H_2SO_4, oxidize with HNO_3, make slightly ammoniacal, filter, and continue as in (*b*). (*d*) Measure the blue color of the ammoniacal soln. obtained as in (*b*) or (*c*) in a photoelectric colorimeter. Not more than an hr. is required, and the results are satisfactory by all three procedures.

W. R. Heun

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

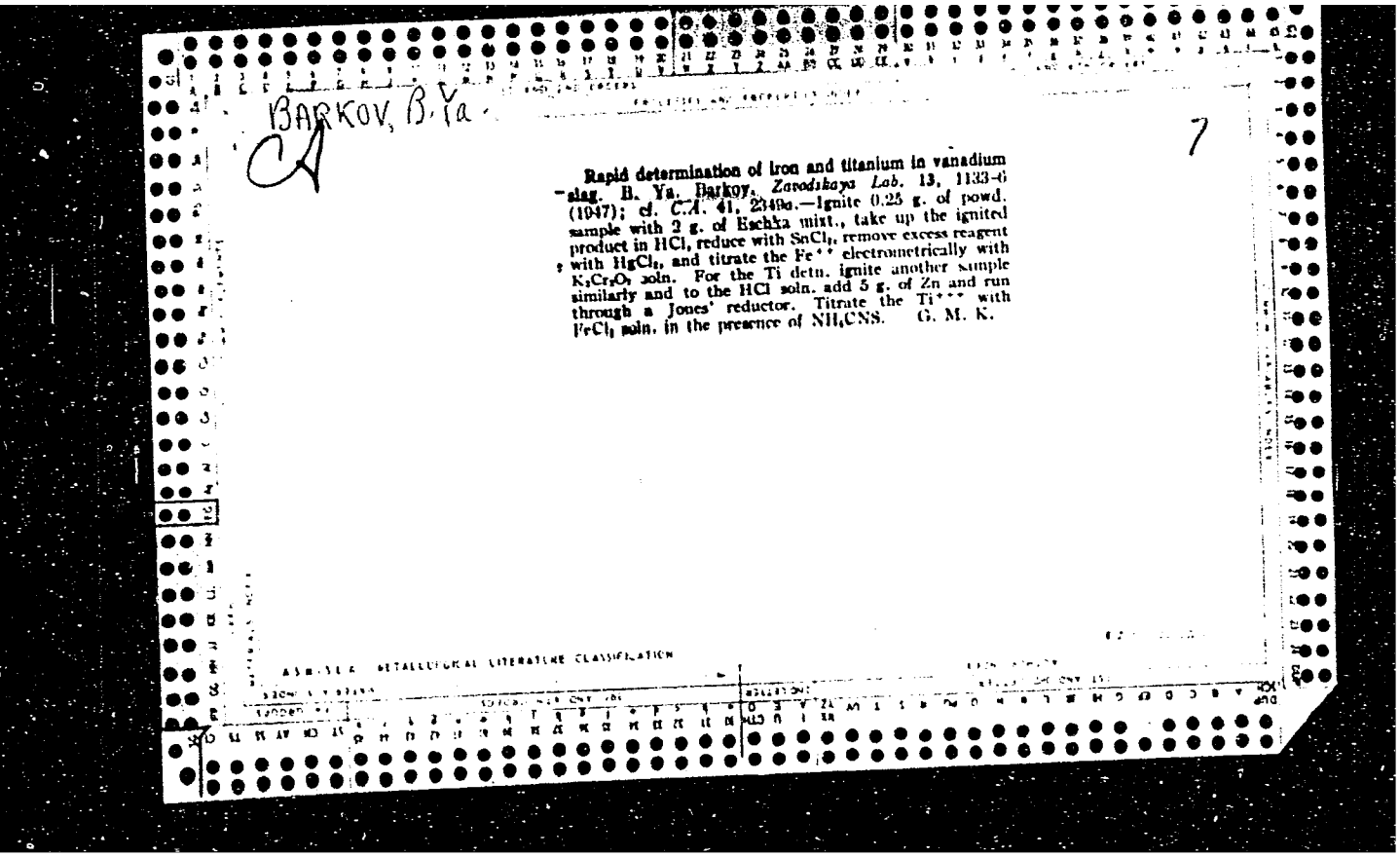
BARKOV, B. Ya.

CA 7

PROCESSES AND PROPERTIES INDEX

Rapid method for the analysis of vanadium slag. B. Ya. Barkov. *Zavodskaya Lab.* **12**, 625-6(1946). To det. V in the slag from steel furnaces, heat 0.5 g. with 1 g. MgO + 0.5 g. Na_2CO_3 + 0.15 g. KNO_3 to about 1000° in a current of O. Cool, moisten with water, add 30-35 ml. of 15 N H_2SO_4, and heat until the Na salts are all dissolved. Add a few drops of $FeSO_4$ soln., dil. to 250 ml., and add 0.1 N $KMnO_4$ until the pink color persists. Add with const. stirring, 0.1 N Fe^{++} soln. until a test for Fe^{++} is obtained by a spot plate test with $K_3Fe(CN)_6$ soln. Remove excess Fe^{++} as usual with $(NH_4)_2S_2O_8$ and titrate the VO^{++} with 0.05 N $KMnO_4$. To det. P_2O_5, heat with the above mixt. but dissolve the product in 6 N HCl and in a suitable aliquot det. the P by the Mo blue color produced in the usual way. Details are also given for detg. Cr by the usual method, after heating with the above ignition mixt. W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



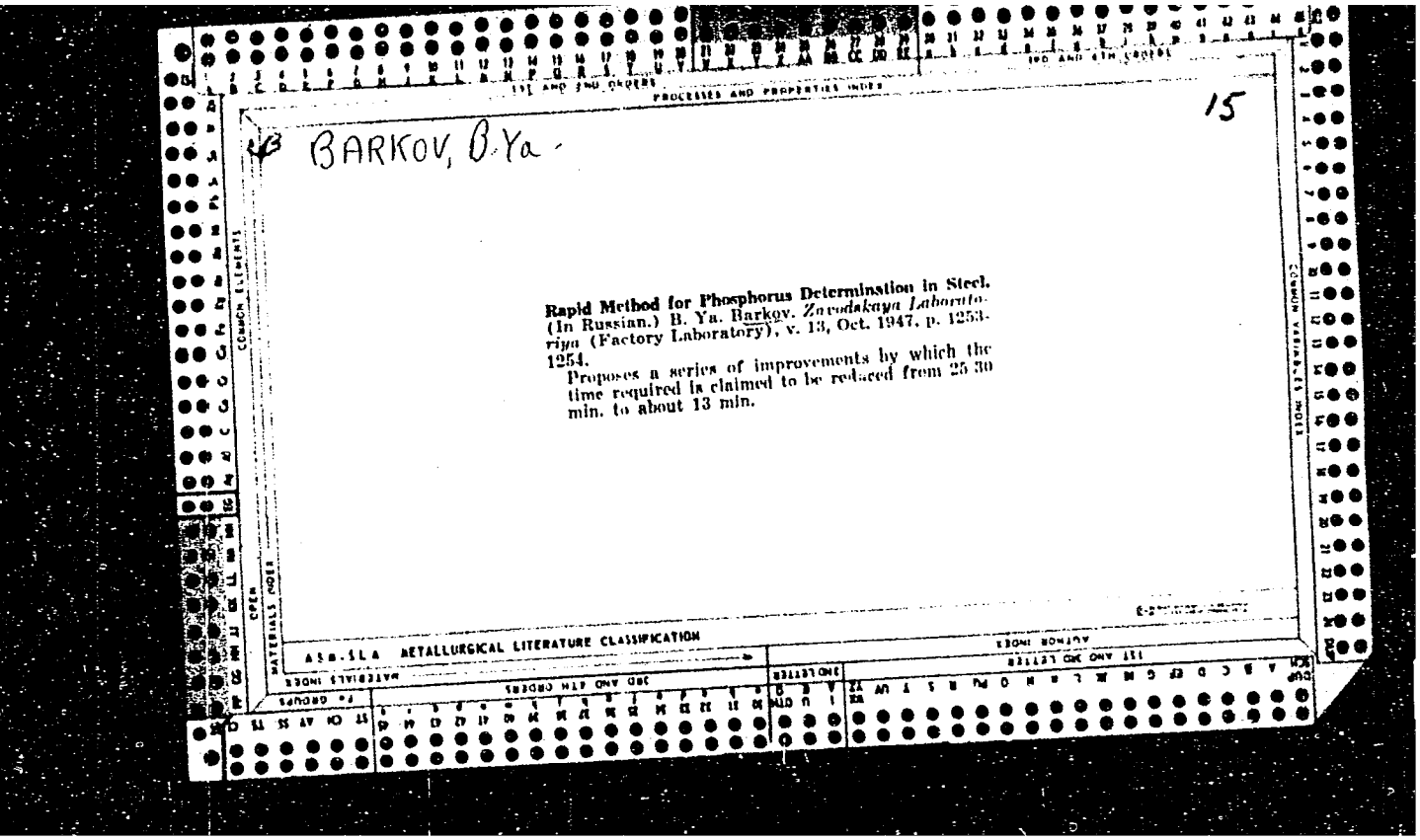
BARKOV, B. Ya.

CA

7

Rapid determination of iron and titanium in vanadium slag. B. Ya. Barkov. *Zavodskaya Lab.* 13, 1133-6 (1947); cf. *C.A.* 41, 2249a.—Ignite 0.25 g. of powd. sample with 2 g. of Eschka mixt., take up the ignited product in HCl, reduce with $SnCl_2$, remove excess reagent with $HgCl_2$, and titrate the Fe^{++} electrometrically with $K_2Cr_2O_7$ soln. For the Ti detn. ignite another sample similarly and to the HCl soln. add 5 g. of Zn and run through a Jones' reductor. Titrate the Ti^{+++} with $FeCl_3$ soln. in the presence of NH_4CNS. G. M. K.

ASM-TEA METALLURGICAL LITERATURE CLASSIFICATION



15

BARKOV, B.Ya.

Rapid Method for Phosphorus Determinstion in Steel. (In Russian.) B. Ya. Barkov. *Zavodskaya Laboratoriya* (Factory Laboratory), v. 13, Oct. 1947, p. 1253-1254.

Proposes a series of improvements by which the time required is claimed to be reduced from 25-30 min. to about 13 min.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

BARKOV, N.N., kand. ekon. nauk; Prinimali uchastiye: PONOMAREV, S.A., inzh.; YELISEYEVA, T.V., inzh.; MOLYARCHUK, G.V., kand. ekon. nauk; IVANOV, L.N., inzh.; KASHCHEYEVA, I.N., inzh.; LEGORNEVA, V.I., inzh.; KUZ'MINA, T.T., inzh; INOZEMTSEVA, K.N., inzh.; YANDOLOVSKIY, N.A., inzh.; PAVLOVA, Ye.A., starshiy tekhnik; VOLKOVA, L.S., starshiy inzh.; GAZAR'YAN, G.S., tekhnik; VOROB'YEVA, L.V., tekhn. red.

[Seasonal and weekday variations in railroad freight transportation]. Sezonnaia i vnutrinedel'naia neravnomernost' gruzovykh perevozok na zheleznykh dorogakh. Moskva, Transzheldorizdat, 1963. 95 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 249).

(MIRA 16:4)

(Railroads—Freight)

BARKOV, N.N., kand. ekon. nauk; [illegible], kand. ekon. nauk, Prinimali uchastiye: YANKOLOVSKIY, M.A., inzh.; INOZEMTSEVA, K.N., inzh.; FEYGIMAN, A.A., inzh.; KOVALEVA, G.I., ekonomist

[Economic efficiency of the construction of new railroad lines; problems of methodology. Ekonomicheskaia effektivnost' stroitel'stva novykh zheleznodorozhnykh linii; voprosy metodiki. Moskva, Transport, 1965. 111 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.293. (MIRA 18:7)

BARKOV, N. S., Engr. Cand. Tech. Sci.

Dissertation: "Forced Oscillations of a Cavity Resonator." All-Union Electrical Engineering Inst, 21 Jan 47.

SO: Vechernyaya Moskva, Jan, 1947 (Project #17836)

BARKOV, N.S., inzhener; VASIL'YEV, V.P., inzhener.

Automatic machine for welding fins on furnace wall tubes. Elek.sta. 24 no. 5:22-24 My '53. (MLRA 6:7)

(Electric welding) (Furnaces)

AVEN, O.I., (Moskva); BARKOV, N.S., (Moskva); DOMANITSKIY, S.M., (Moskva)

Series of servomechanisms with contactless drives and proportional motor control. Izv. AN SSSR. Otd. tekh. nauk no.6:166-168 Je '56. (MLRA 9:9)

(Servomechanisms)

AVEN, Oleg Ivanovich, kand. tekhn. nauk; BARKOV, Nikolay Sergeyevich, kand. tekhn. nauk; DOMANITSKIY, Sergey Mikhaylovich, kand. tekhn. nauk; SHTEYNBOK, G.Yu., inzh., red.; SOROKINA, T.M., tekhn. red.

[Contactless executive mechanism with increased sensitivity and a three-phase motor]Beskontaktnyi ispolnitel'nyi mekhanizm povyshennoi chuvstvitel'nosti s trekhfaznym dvigatelem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 36 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No.P-57-4/3) (MIRA 16:2)
(Servomechanisms) (Automatic control)

BARKOV, S.

Radio in aeronautics. Radio no.6:2 of cover Je '56. (MLRA 9:8)
(Radio in aeronautics)

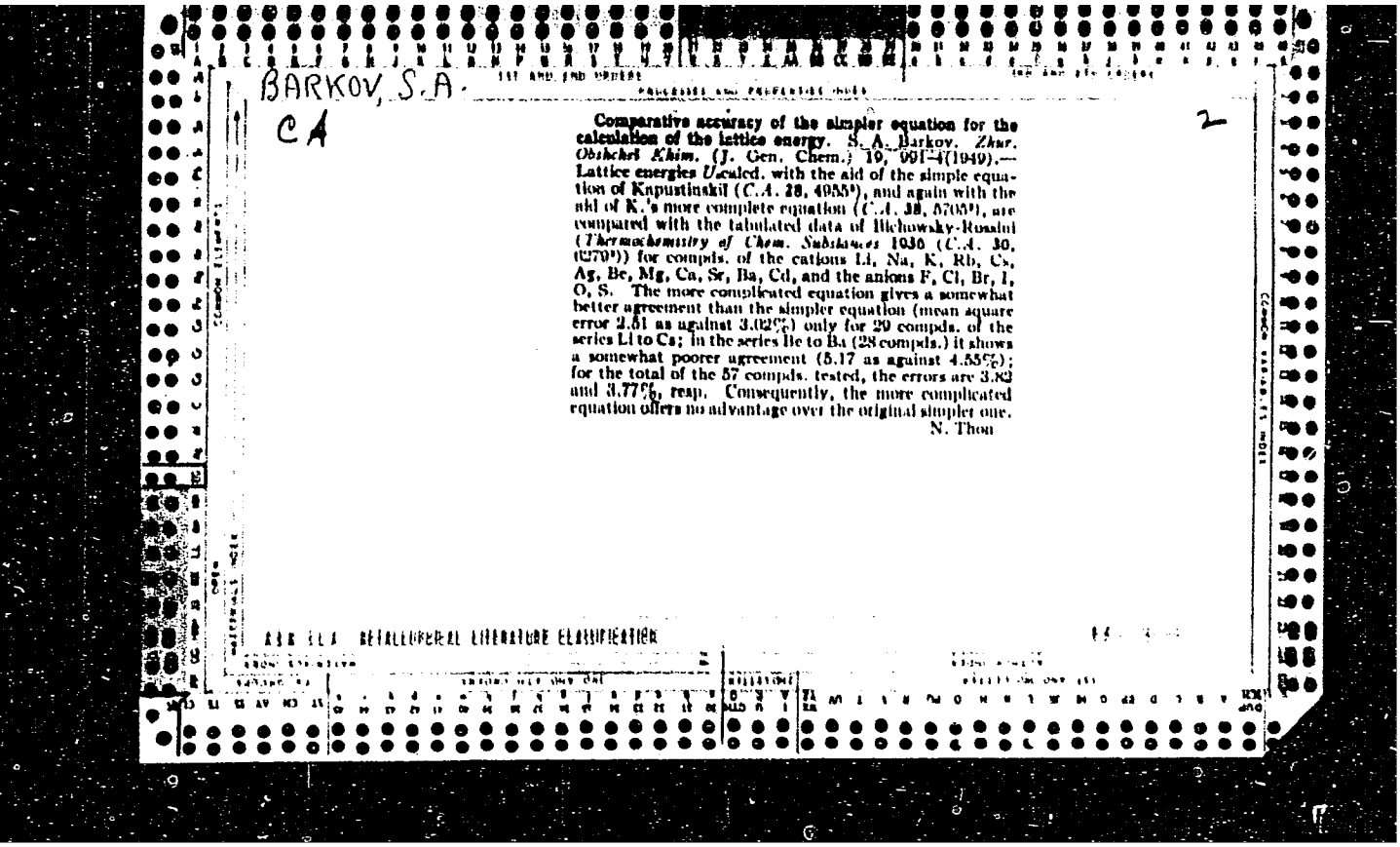
BARKOV, S.

Here they make prosthetic appliances. Prom. koop. 14 no.5:31 My '60. (MIRA 13:12)

(Moscow--Prosthesis)

CA BARKOV, S.A.

Comparative accuracy of the simplest equations for the calculation of the energy of crystal lattices. S. A. Barkov (M. I. Kalinin Moscow Inst. Non-ferrous Metals and Gold). *J. Gen. Chem. U.S.S.R.* 19, 981-3(1949)(Engl. translation).—See *C.A.* 43, 8230*f*. B. J. C.



BARKOV, S.A.

CA

2

Comparative accuracy of the simpler equation for the calculation of the lattice energy. S. A. Barkov. *Zhur. Obshchei Khim.* (*J. Gen. Chem.*) 19, 991–4(1949).—Lattice energies *U* calcd. with the aid of the simple equation of Kapustinskii (*C.A.* **28**, 4955⁹), and again with the aid of K.'s more complete equation (*C.A.* **38**, 5705⁸), are compared with the tabulated data of Bichowsky-Rossini (*Thermochemistry of Chem. Substances* 1936 (*C.A.* **30**, 6279⁹)) for compds. of the cations Li, Na, K, Rb, Cs, Ag, Be, Mg, Ca, Sr, Ba, Cd, and the anions F, Cl, Br, I, O, S. The more complicated equation gives a somewhat better agreement than the simpler equation (mean square error 2.61 as against 3.02%) only for 29 compds. of the series Li to Cs; in the series Be to Ba (28 compds.) it shows a somewhat poorer agreement (5.17 as against 4.55%); for the total of the 57 compds. tested, the errors are 3.82 and 3.77%, resp. Consequently, the more complicated equation offers no advantage over the original simpler one.
N. Thon

NEKRASOV, B.V.; NAGATKIN, I.G., redaktor; BARKOV, S.A., redaktor; LUR'YE, M.S., tekhnicheskiy redaktor.

[Course in general chemistry] Kurs obshchei khimii. Izd.10-e, stereotipnoe. Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1953. 971 p. (MLRA 7:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Nekrasov)
(Chemistry)

NEKRASOV, B.V.; NAGATKIN, I.G. [deceased], redaktor; BARKOV, S.A., redaktor
LUR'YE, M.S., tekhnicheskiy redaktor

[Course in general chemistry] Kurs obshchei khimii. Izd. 11., stereotipnoe. Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1954. 971 p.
(MLRA 7:9)

1. Chlen-correspondent Akademii nauk SSSR (for Nekrasov)
(Chemistry)

BARKOV, Sergey Aleksandrovich, dots.; RONZHINA, Nadezhda Mikhaylovna, dots.; LUK'YANOV, A.B., red.; LIPKINA, T.G., red.izd-va; POPRYADUKHIN, K.A., tekhn.red.

[Inatiative analysis] Kachestvennyi analiz. Moskva, Gos. izd-vo "Sovetskaia nauka," 1957. 201 p. (MIRA 11:4)
(Chemistry, Analytic--Qualitative)

NEKRASOV, Boris Vladimirovich; NAGAYKIN, I.G., red. [deceased]; BARKOV, S.A., red.; ZAZUL'SKAYA, V.F., tekhn.red.

[General chemistry] Kurs obshchei khimii. Izd.13. Moskva, Gos. nauchno-tekhn.izd-vo khim.lit-ry, 1960. 973 p.
(MIRA 13:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Nekrasov).
(Chemistry)