DENISENKO, P.P.

Participation of the cholino- and adrenoreactive systems of the reticular formation of the mesencephalon in the activation reaction of the cerebral cortex. Fiziol.zhur. 47 no.5:551-558 My '61. (MIRA 14:5)

1. From the Department of Pharmacology, Institute of Experimental Medicine, Leningrad.
(BRAIN) (CEREBRAL CORTEX) (ELECTROENCEPHALOGRAPHY)

DENISENKO, P.P.

Relationship between central and peripheral cholinolytic effects of certain complex esters of diethylaminoethanol and aromatic acids. Biul. eksp. biol. i med. 51 no.3:72-76 Mr '61. (MIRA 14:5)

1. Iz otdela farmakologii (zav. - deystvitel'nyy chlen AMN SSSR, S.V.Anichkov) Instituta eksperimental'noy meditsiny (dir. - chlen-korrespondent AMN SSSR prof. D.A.Biryukov) AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.V. Anichkovym.
(PARASYMPATHOLYTICS) (ELECTROENCEPHALOGRAPHY)
(NERVOUS SYSTEM)

DENISENKO, P.P.; GURVICH, I.Ya.

Use of the central cholinolytic agent metamisyl in the treatment of narcomanias (morphinism). Vop. psikh. i nevr. no.9:464-471 '62. (MIRA 17:1)

1. Otdel farmakologii Instituta eksperimental'noy meditsiny (zav. - deystvitel'nyy chlen AMN SSSR, prof. S.V. Anichkov) i 2-ya psikhonevrologicheskaya bol'nitsa Novgorodskoy oblasti "Podgornoye" (glavnyy vrach - D.I. Al'perovich).

DENISENKO, P.P.

Experimental bases for the use of central cholinolytics in practical medicine. Vest. AMN SSSR 17 no.3:48-58 '62. (MIRA 15:4)

1. Institut eksperimental'noy meditsiny AMN SSSR.
(PARASYMPATHOLYTICS)

DENISENKO, P.P.

Comparative effect of substances stimulating and blocking the choline reactive systems on the bioelectrical activity of the cortex and reticular formation of the brain. Farm. i toks. 25 no.1:8-15 Ja-F '62. (MIRA 15:4)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR prof. S.V.Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR.
(CEREBRAL CORTEX) (AUTONOMIC DRUGS)
(ELECTROENCEPHALOGRAPHY)

DENISENKO, P.P.

Influence of cholinolytics affecting the central nervous system on the orienting reaction in laboratory animals. Farm. i toks. 25 no.4:395-401 Jl-Ag '62. (MIRA 17:10)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR prof. S.V. Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR.

PRATUSEVICH, Yu.M.; MALOMUZH, F.F.; DENISENKO, P.P.

Analysis of the mutual potentiation of the tranquilizing effect of aminazin and metamizil in tympanoplasty in children. Vest. otorin. 24.no.6:44-50 N-D'62. (MIRA 16:7)

1. Iz akademicheskoy gruppy deystvitel'nogo chlena AMN SSSR prof. G.N.Speranskogo, iz itdeleniya detskogo vozrasta (zav.-dotsent F.F.Malomuzh) Nauchno-issledovatel'skogo instituta ukha, nosa i gorla, Moskva, iz otdela farmakologii (zav.-deystvitel'nyy chlen AMN SSSR prof. S.V.Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.
(TYMPANAL ORGAN--SURGERY) (CHLORPROMAZINE)
(BENZILIC ACIDS)

DENISENKO, P.P.

Cholinolytics in the prevention and treatment of experimental hyperkinesia. Farm. i toks. 25 no.5:519-530 S-O '62
(MIRA 18:1)

1. Otdel farmakologii (nav. - deystvitel'nyy chlen AMN SSSR prof. S.V. Anichkov) Instituta eksperimental'noy medi[illegible]ny AMN SSSR.

DENISENKO, P. P.

"Pharmacologic Blocking of the Central Cholinoreactive Systems and the Possibilities of its Therapeutic Application."

Report presented at the 2nd International Conference of Pharmacology, Prague, 20-23 Aug 63.

DENISENKO, P.P.; PRATUSEVICH, Yu.M.

Tranquilizing properties of metamisyl and methyldifacil, two new central cholinolytics, and possible points for the application of their action. Zhur. nevr. i psikh. 63 no.4:582-590 '63. (MIRA 17:2)

1. Otdel farmakologii (zav. - prof. S.V. Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad i akademicheskaya gruppa deystvitel'nogo chlena AMN SSSR G.N. Speranskogo, Moskva.

DENISENKO, P.P.; DOTSENKO, S.N.; MOL'KOV, G.M.

Treatment of Thomsen's myotonia with metamisyl. Och. klin. nevr. no.2:232-241 '64 (MIRA 18:1)

DENISENKO, P.P.

Effect of various central cholinolytics on electroconvulsions in mice and rabbits. Biul. eksp. biol. i med. 57 no.6:59-63 Je '64. (MIRA 18:4)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR prof. S.V.Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

DENISENKO, Petr Prokof'yevich; FRIDMAN, A.N., red.

[Central cholinolytics; their pharmacology and clinical use] TSentral'nye kholinolitiki; farmakologiia i klinicheskoe primenenie. Leningrad, Meditsina, 1965. 279 p. (MIRA 18:8)

DENISENKO, P. S.

"Axle Blowers with Adjustable Blades," Kotloturbostroyeniye, No.3, 1948

Leningrad Polytech. Inst. im. Kalinin

124-1957-2-1782

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 2, p 47 (USSR)

AUTHOR: Denisenko, P.S.

TITLE: Axial Ventilators With Variable-Pitch Blades and Possibilities of Their Application (Osevyye ventilyatory s povorotnymi na khodu lopatkami i perspektivy ikh primeneniya)

PERIODICAL: Tr. Kiyevsk. gidromelior. in-ta, 1954, Vol 4, pp 79-97

ABSTRACT: The importance of achieving an improved operational economy of the exhaust fans and ventilators used in thermo-electric plants is noted. It is shown that over a considerable part of operational conditions, established for such equipment by GOST 5308-50, axial single-stage fans with variable-pitch rotor blades may be used in lieu of centrifugal ventilators. The axial ventilators will operate more economically than the centrifugal ones. A test prototype of an axial ventilator, with a rotor diameter of 1.3 m (n = 1460 rpm) was designed and manufactured under the supervision of the Author. The ventilator rotor had 16 profile-shaped twisted hollow blades made of sheetmetal and fastened onto bars that can be conjointly rotated by means of a suitable mechanism while the ventilator is running. A maximum efficiency of 73 percent was obtained with a

Card 1/2

Axial Ventilators With Variable-Pitch Blades (cont.)

discharge rate of 94,000 m^3/hr and with a pressure rise (in cold air) of appx. 225 kg/m^2. The subject ventilator was used for a period of two months on the boilers of the Third Leningrad GES and was found to be sufficiently dependable and more economical than the previously used centrifugal ventilators. It is worthy of note that ventilators having variable-pitch blades are not used very widely because of the complexity of the pitch-control mechanism. Axial fans with rigidly set rotor blades and a regulated stator set-up are simpler; however, their parameters are not investigated by the Author.

A.G.Bychkov

1. Axial flow fans--Performance 2. Axial flow fans--Test results
3. Axial flow fans--Design

Card 2/2

DENISENKO, S. (Aleksandriya Kirovogradskoy obl.); ZADIRAKA, N.

We are learning how to protect agricultural objects. Voen. znan. 39 no.11:27-28 N '63. (MIRA 17:2)

1. Glavnyy veterinarnyy vrach shtaba grazhdanskoy oborony Kirovogradskoy oblasti (for Denisenko). 2. Upravlyayushchiy Sharovskim otdeleniyem sovkhoza Aleksandriyskogo sakharnogo kombinata Kirovogradskoy oblasti (for Zadiraka).

15-57-10-15006

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 282 (USSR)

AUTHOR: Denisenko, S. A.

TITLE: A Rail-Mounted Spark-Proof Connector for the Automation of Mine Installations and Processes (Rel'sovyy iskrobezopasnyy datchik RID dlya avtomatizatsii shakhtnykh ustanovok i protsessov)

PERIODICAL: V sb: Avtomatizatsiya v ugol'n. prom-sti. Moscow, Ugletekhizdat, 1956, pp 53-71.

ABSTRACT: The author discusses the possibility of using shorter sections of track in which individual rails are 8 m to 16 m long. In 1951-52 the Donets Industrial Institute made a spark-proof rail-mounted connector, and in 1953-54 it was tested in mines. The value of the initial resistance between one rail and the next decreases to 150 ohm/m in unfavorable circumstances; and during flooding of the tracks by acid water on very troublesome, but rare, occasions, this resistivity reaches some value

Card 1/2

A Rail-Mounted Spark-Proof Connector (Cont.)

between 15 ohm/m and 25 ohm/m. The connector works reliably at values between 50 ohm/m and 100 ohm/m. The author describes the principal design and tested samples of the connector. The parts of the system supplying current to four connectors were placed on a panel of a PMV-1344 starter. An alternating current at a voltage of 14 v was used for testing the section of track. The connector was tested for its spark-proof quality at the Makeyevka Scientific Research Institute for Mine Safety. The connector was tested in the first-class mine "Tsentral'naya" (Donbass) in damp workings at a slow rate (20 operations per day). The testing was repeated at the first-class mine imeni Rumyantsev (Donbass) in damp workings at a fast rate (200 operations per day). The results of the tests were satisfactory. The "Krasnyy metallist" (Red Metal Worker) factory is manufacturing tested consignments of these connectors.

Card 2/2 V. K. Yasnyy

DENISENKO, S.A.

DENISENKO, S.A., inzhener.

The RID sparkless rail transmitter. Bezop.truda v prom. 1 no.9:7-10 '57. (MLRA 10:9)
(Electric controllers)

STANISLAVSKIY, L.B.; DENISENKO, S.A.

Put automation into the process of the drying and dust removal from miners' clothing. Adm.-byt. komb. ugol', shakht no.5:74-76 '62. (MIRA 17:8)

1. Proyektnaya kontora kombinata Donetskugol'.

VINOSLAVSKIY, Vasiliy Nikolayevich, kand.tekhn.nauk,dots.; RYBCHENKO, Petr Filimonovich, kand.tekhn.nauk,dots.; POPOVICH, Nikolay Gavrilovich, kand.tekhn.nauk,dots.; POLYANSKIY, Nikolay Alekseyevich, inzh.; DANIL'CHUK, Grigoriy Ivanovich, inzh.; VOLOTKOVSKIY, S.A., doktor tekhn. nauk, prof., retsenzent; MIROSHNIK, A.M., kand. tekhn. nauk, retsenzent; DENISENKO, S.A., inzh., retsenzent

[Automation of industrial processes in coal mines] Avtomatizatsiia proizvodstvennykh protsessov ugol'nykh shakht. [By] V.N.Vinoslavskii i dr. Kiev, Tekhnika, 1964. 406 p. (MIRA 18:3)

ZELINSKIY, V.M., kand. tekhn. nauk; RUKMAN, G.L., inzh.; FEL'DMAN, G.B., inzh.; DENISENKO, S.A., inzh.; SMOLINA, Z.K., inzh.; KOSTOGRYZ, P.L., inzh.; IOFFE, I.M., tekhnik

Experience in introducing remote control of pumps in drainage boreholes at the S.M.Kirov mine. Shakht. stroi. 9 no.10:27-28 O '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Zelinskiy, Rukman, Fel'dman). 2. Institut Avtomatuglerudprom zavoda "Krasnyy metallist" (for Denisenko, Smolina, Kostogryz) 3. Yakovlevskoye stroitel'no-montazhnoye upravleniye tresta Soyuzshakhtoosusheniye (for Ioffe).

DENISENKO, V.I.; OSTROVSKIY, A.S.; SHUNOV, N.S.

Excitation of synchronous machines from two series-connected three-winding transformers and semiconductor rectifiers. Trudy Ural. politekh. inst. no. 138 90-98 '64 (MIRA 19:1)

DENISKO, S.V. [Denysko, S.V.]

A property of a rectilinear congruence composed of tangents to the curvature lines. Visnyk L'viv un. Ser. mekh.-mat. no.1:7-8 '65. (MIRA 18:12)

DENISENKO, T.

Useful training device. Voen. znan. 40 no.2:24 F '64. (MIRA 17:2)

1. Nachal'nik Amur-Nizhnedneprovskoy shkoly grazhdanskoy oborony, Dnepropetrovsk.

DENISENKO, T.N., assistent

Tumors of the round uterine ligaments. Akush. i gin. no.2: 127-128'63. (MIRA 16:10)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. P.Ya. Lel'chuk) Rostovskogo meditsinskogo instituta.
(UTERUS — TUMORS)

DENISENKO, T.N., assistent

Clinical aspects of lipoid cell tumors of the ovaries. Sov. zdrav. trud. Rost. gos. med. inst. no.21:97-101 '63.

Localization of brain tumors and disorders of the menstrual function. Ibid. 135-138

Estrual cycle in white rats with experimental brain tumors. Ibid.: 173-185 (MIRA 17:11)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. P.Ya. Lel'chuk) i kafedry neyrokhirurgii (zav. - prof. V.A.Nikol'skiy) Rostovskogo meditsinskogo instituta.

DENISENKO, V.

In the leading factory workers' group. Voen.znan. 25 no.9:3 S '49. (MIRA 12:12)
(Kiev--Military education)

1. DENISENKO, V.
2. USSR (600)
4. Mining Engineering - Study and Teaching
7. Stakhanovite schools are training production innovators. Mast. ugl. 1 no. 7, 1952.

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

DENISENKO, V.

More attention to schools of advanced experience. Mast. ugl. 3 no.6: 24 Je '54. (MLRA 7:7)

1. Nachal'nik uchebno-kursovogo kombinata tresta Stalinugol'.
(Donets Basin--Mining Engineering--Study and teaching)
(Mining engineering--Study and teaching--Donets Basin)

DENISENKO, V.

How the experience of a leading section was utilized. Mast.ugl.5 no.11:10 N '56. (MLRA 10:1)

1. Nachal'nik uchebno-kursovogo kombinata tresta Stalinugol'.
(Coal mines and mining)

DENISENKO, V., starshiy prepodavatel'

One more way for saving nonferrous metals. NTO 2 no.5:26 My '60.
(MIRA 14:5)

1. Lesotekhnicheskaya akademiya im. S.M.Kirova g. Leningrad, Chlen Nauchno-tekhnicheskogo obshchestva lesnoy promyshlennosti.
(Leningrad—Wood research)

GORODETSKIY, S.F., kand.tekhn.nauk, dotsent; DENISENKO, V.D., inzh.

Experience in taking stereophotogrammetric pictures of waves at marine stations in harbors. Nauch.trudy OIIMF no.16:3-14 '58. (MIRA 11:11)

(Waves) (Photogrammetry)

DENISENKO, V.D., inzh.

Standard design with shortcomings. Avt.dor. 25 no.12:29 D '62.
(MIRA 16:2)
(Motorbus lines—Stations)

DENISENKO, V.I.; VLASNEKO, V.L.

Installation for straightening sides of dump cars. Sbor.rats. predl.vnedr.v proizv. no.5:62-63 '60. (MIRA 14:8)

1. Dnepropetrovskiy metallurgicheskiy zavod imeni Petrovskogo.
(Railroads--Equipment and supplies)

L 16179-63 EWP(k)/EWT(1)/BDS AFFTC/ASD Pf-4

ACCESSION NR: AR3005185 S/0058/63/000/006/E056/E057

SOURCE: RZh. Fizika, Abs. 6Zh354

60

AUTHOR: Denisenko, V. I.; Petrenko, Yu. A.

TITLE: Automatic apparatus for measurement of propagation velocity of ultrasonic oscillations by the ultra-acoustic interferometer method

CITED SOURCE: Uch. zap. Khar'kovsk. un-t, v. 127, 1962, Tr. Radiofiz. fak., v. 6,109-111

TOPIC TAGS: ultrasonics, sound velocity measurement, ultrasoustic interferometer, automatic measurement

TRANSLATION: One of the most accurate (to 0.05--0.1%) methods of measuring the velocity of ultrasound is with the aid of an interferometer, but it is very laborious and time-consuming. An electronic circuit, consisting of an ultrasound generator, tuned amplifier, and detector is proposed for automatization of this process. This circuit, together with the P3-20 scalor, makes it possible to count the number of maxima of the anode current in the generator circuit as the interferometer plunger is moved. The generator frequency is 2830 kcs, the travel of

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L 16179-63

ACCESSION NR: AR3005105

0

the plunger 36.7 mm, the number of pulses read during one travel is up to 140, the working volume of the thermostated chamber is up to 70 cm^3, and the measurement accuracy is 0.2%.

I. Kanevskiy.

DATE ACQ: 15Jul63 SUB CODE: PH, SD ENCL: 00

Card 2/2

L 15671-66 EWT(1)

ACC NR: AP6000201 SOURCE CODE: UR/0056/65/049/005/1457/1462

AUTHOR: Bezuglyy, P. A.; Zhevago, S. Ye.; Denisenko, V. I.

ORG: Physicotechnical Institute of Low Temperatures, Academy of Sciences, UkrSSR (Fiziko-tekhnicheskiy institut nizkikh temperatur Akademii nauk UkrSSR)

TITLE: Magnetoacoustic investigation of the Fermi surface of molybdenum

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 5, 1965, 1457-1462

TOPIC TAGS: molybdenum, magnetoacoustic effect, single crystal, magnetic anisotropy, transverse magnetic field, acoustic wave, electromagnetic wave oscillation

ABSTRACT: In view of the fragmentary experimental data published so far on the magnetoacoustic effects in molybdenum, the authors investigated this effect in greater detail by studying the anisotropy of the oscillation periods of the geometrical resonance in transverse magnetic fields when the acoustic wave vector was oriented along the principal crystallographic directions of a single-crystal sample of molybdenum. The measurements at 200 Mc frequency and 4.2K used the pulse procedure of A. A. Galkin and A. P. Korolyuk (PTE, no. 6, 199, 1960). The temperatures were 1.8K in the case of q ∥ [100] and 4.2K in the case q ∥ [110] and [111]. The results showed that in different angle ranges, three different oscillation periods are observed in the absorption coefficient, one short-period and two long-period. It is shown that the short-period oscillations, observed for q ∥ [100], give the dimensions of the electronic surface, while the long-period oscillations are associated

Card 1/2

L 15671-66

ACC NR: AP6000201

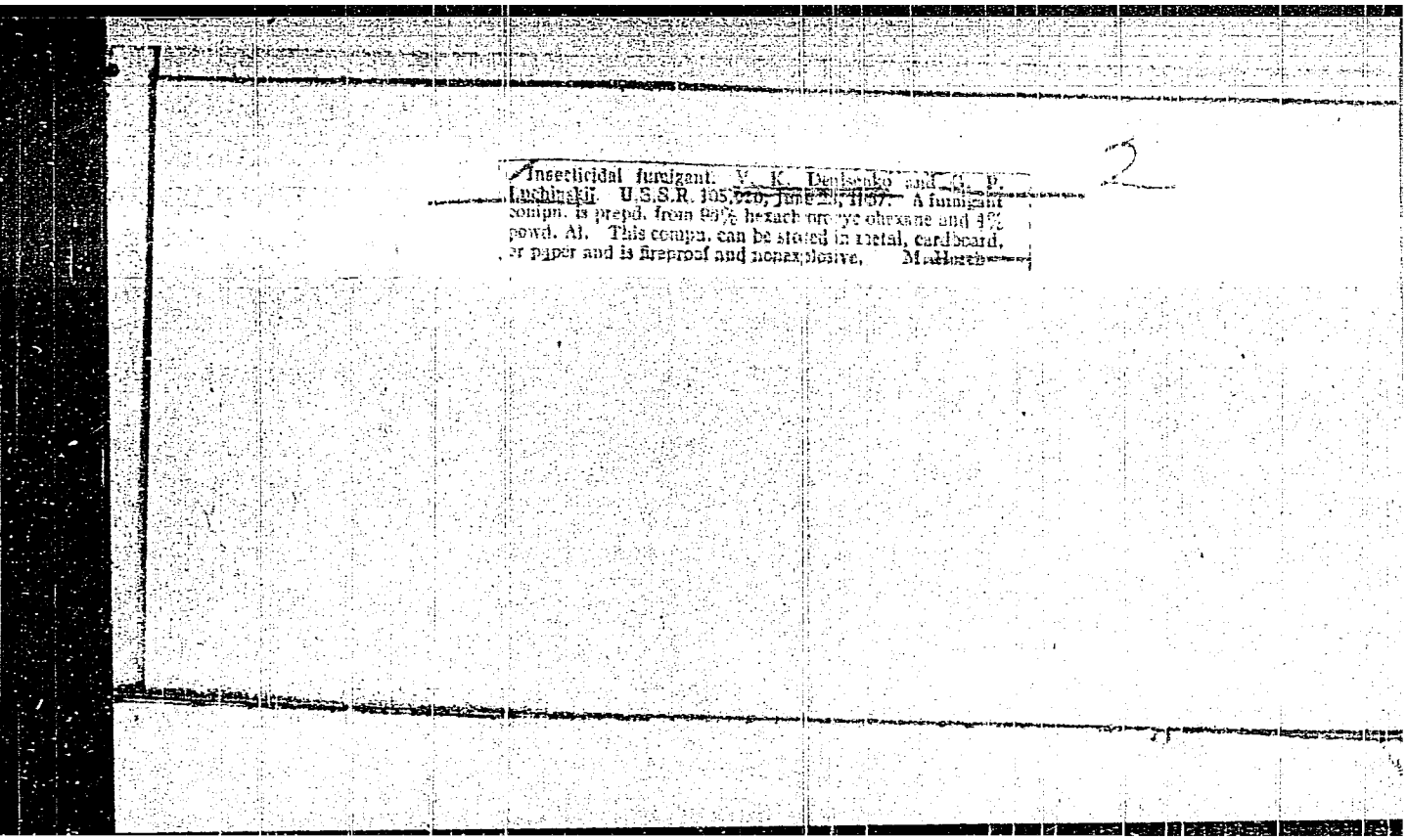
with the small hole zones, in accordance with the model proposed by W. H. Lomer (Proc. Phys. Soc., v. 84, 327, 1964). The maximum dimensions of the hole regions are 0.56 x 10^8 cm^{-1} and the minimum 0.42 x 10^8 cm^{-1}. Orig. art. has: 6 figures and 1 formula.

SUB CODE: 20,11/ SUBM DATE: 24Jun65/ ORIG REF: 002/ OTH REF: 011

Card 2/2

RUNDKVIST, D.V.; DENISENKO, V.K.

Some characteristics of the structure and distribution of the mineralization of the Dzabyk-Karagay instrusive. Trudy VSEGEI 103:85-101 '64 (MIRA 17:8)



Insecticidal fumigant. V. K. Denisenko and G. P. Lushnikii. U.S.S.R. 105,210, June 20, 1957. A fumigant compn. is prepd. from 99% hexachlorocyclohexane and 1% powd. Al. This compn. can be stored in metal, cardboard, or paper and is fireproof and nonexplosive. M. Hirsch

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

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

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

(Leningrad - Moscow)

DENISENKO, V. K.

"An Aerosol Method for Combatting Blood-suking Arthropods Over Large Areas which does not Require Apparatus."

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

Central Scientific Research Institute for Disinfection (Moscow)

SOKOLOVSKIY, V.D., Marshal Sovetskogo Soyuza; BELAYEV, A.I., polkovnik; GASTILOVICH, A.I., doktor voyennykh nauk, prof. general-polkovnik; DENISENKO, V.K., polkovnik; ZAV'YALOV, I.G., general-mayor; KOLECHITSKIY, V.V., general-mayor; LARIONOV, V.V., kand. voyennykh nauk, polkovnik; MYRKOV, G.M., polkovnik; PAROT'KIN, I.V., kand. voyennykh nauk, polkovnik; PROKHOROV, A.A., general-mayor; POPOV, A.S., polkovnik; SAL'NIKOV, K.I., polkovnik; SHIMANSKIY, A.N., polkovnik; CHEREDNICHENKO, M.I., general-mayor; SHCHEGOLEV, A.I., polkovnik; MOROZOV, B.N., polkovnik, red.; KONOVALOVA, Ye.K., tekhn. red.

[Military strategy] Voennaia strategiia. Moskva, Voenizdat, 1962. 457 p. (MIRA 15:7)

(Strategy)

SOKOLOVSKIY, V.D., Marshal Sovetskogo Soyuza; BELYAYEV, A.I., polkovnik; GASTILOVICH, A.I., doktor voyennykh nauk, prof. general-polkovnik; DENISENKO, V.K., polkovnik; ZAV'YALOV, I.G., general-mayor; KOLECHITSKIY, V.V., general-mayor; LARIONOV, V.V., kand. voyennykh nauk polkovnik; NYRKOV, G.M., polkovnik; PAROT'KIN, I.V., kand. voyennykh nauk polkovnik; PROKHOROV, A.A., general-mayor; POPOV, A.S., polkovnik; SAL'NIKOV, K.I., polkovnik; SHIMANSKIY, A.N., polkovnik; CHEREDNICHENKO, M.I., general-mayor; SHCHEGOLEV, A.I., polkovnik; MOROZOV, B.N., polkovnik, red.; KONOVALOVA, Ye.K., tekhn. red.

[Military strategy] Voennaia strategiia; Izd.2., ispr. i dop. Moskva, Voenizdat, 1963. 503 p. (MIRA 16:10)

(Strategy)

DENISENKO, V.K.

Mechanism of the formation of dikes of complex structure. Dokl. AN SSSR 162 no.3:664-666 My '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
Submitted December 7, 1964.

DENISENKO, V.K.

Regular manifestation of inter-ore dikes in the history of the formation of the Karaoba deposit. Dokl. AN SSSR 162 no.4:883-886 Je '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
Submitted January 20, 1965.

DENISENKO, V. O.

VASIL'YEV, V. YE., DENISENKO, V. O., AND PONOMAREVA, L. A.

Solution of Crystals

Blue vitriol and succinic acid crystals were investigated. The grown crystals were dissolved in ethanol of various concentrations. The speed of solution does not exhibit proportionality to volume, surface, nor linear crystalline dimensions. An increase of specific weight up to 20% could be observed. (RZhFiz, No. 8, 1955) Izv. Kievsk. Politekhn. in-ta, 14, 1954, 183-195.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

DENISENKO, V. P. (Veterinary Doctor, Gvardeiskii District, Kaliningrad Oblast') and NIKOL'SKIY, D. L. (Veterinary Doctor, City of Bogodukhov, Khar'dov Oblast').

"Sacral anesthesia in a Midwife's practice"...

Veterinariya, vol. 39, no. 8, August 1962 pp. 52

DENISENKO, V. P.

Iodination of vinyl acetate. A. V. Dombrovskii and V. P. Denisenko. *J. Gen. Chem. U.S.S.R.* 25, 2176 (1955) (Engl. translation).—See *C.A.* 50, 9256b. B. M. R.

DENISENKO V.P.

M. A. YOUTZ
2 2 copies

Iodination of vinyl acetate. A. V. Dombrovskii and V. P. Denisenko (State Univ., Chernovitsy). *Zhur. Obshchei Khim.* 25, 2213–14(1955).—To 31.3 g. iodine in 200 ml. Et_2O was added 0.7 ml. dry pyridine and after evapn. of Et_2O there remained 28 g. *pyridine diiodide*, m. 59–60°, which should be stored in stoppered vessels. This (0.7 g.), 2 ml. pyridine and 0.15 g. NaI treated at 10–12° with 3.5 ml. CH_2:CHOAc gave after 0.5 hr. a ppt. of 7 g. violet *AcOCHICH*$_2$*I*, m. 125°. G. M. Kosolapoff

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DENISENKO, V.P.; LOPUSHANSKIY, A.I.

Synthesis of diquaternary salts of N,N'-derivatives of hexamethylenediamine. Part 1: Synthesis of hexamethylene-1,6-bis-dimethylaminoacetic acid and its esters. Zhur.ob.khim. 30 no.8:2698-2700 Ag '60. (MIRA 13:8)

1. Chernovitskiy meditsinskiy institut.
(Hexanediamine) (Acetic acid)

DENISENKO, V. P., Cand Chem Sci -- "Synthesis of biquaternary ammonium salts of derivatives of hexamethylene and ethylene diamines, and the study of their properties." Chernovtsy, 1961. (Min of Higher and Sec Spec Ed UkSSR. Chernovtsy State U) (KL, 8-61, 231)

SHOSTAKOVSKIY, M.F.; DENISENKO, V.P.; GORBAN', A.K.

Synthesis of hexamethylenediamine biquaternary ammonium salts.
Izv.AN SSSR.Otd.khim.nauk no.10:1907-1908 O '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Ammonium compounds) (Hexanediamine)

DENISENKO, V.P.; DOMBROVSKIY, A.V.; ZELA, M.I.

Acylals of monochloroacetic acid. Ukr.khim.zhur. 27 no.6:784-786 '61. (MIRA 14:11)

1. Chernovitskiy gosudarstvennyy universitet, kafedra organicheskoy khimii.
(Acetic acid)

DENISENKO, V.P.; LOPUSHANSKIY, A.I.

Synthesis of diquaternary salts of N,N'-derivatives of hexamethylenediamine. Part 2: Synthesis of new dichlorides of hexamethylene-1,6-bis-dimethylaminoalkyl acetates. Zhur.ob.khim. 32 no.3: 731-735 Mr '62. (MIRA 15:3)

1. Chernovitskiy meditsinskiy institut.
(Hexanediamine)

LOPUSHANSKIY, A.I.; DENISENKO, V.P.; POKHMURSKAYA, M.V.

Polarographic properties of diquaternary ammonium derivative of ethylenediamine with activated C-N bonds. Zhur.ob.khim. 33 no.3:728-731 Mr '63. (MIRA 16:3)

1. Chernovitskiy meditsinskiy institut.
(Ammonium compounds) (Ethylenediamine) (Polarography)

DENISENKO, V.P.; LOPUSHANSKIY, A.I.

Synthesis of quaternary ammonium salts of N,N'-derivatives of ethylene-diamine. Zhur.ob.khim. 34 no.2:688-689 F '64. (MIRA 17:3)

1. Chernovitskiy meditsinskiy institut.

DENISENKO, V.P.; RUDI, V.P.; PEREL', Ye.M.

Synthesis of diquaternary ammonium salts of N,N' derivatives of hexamethylenediamine. Zhur. ob. khim. 35 no.10:1743-1745 O '65. (MIRA 18:10)

1. Chernovitskiy meditsinskiy institut.

DENISENKO, Vasiliy Semenovich [Denisenko, Vasil']; AVDEYEV, Yu.O., red.; KALASHNIKOVA, O.G., tekhn. red.

[In the Far North] Na dalekii pivnochi. [Kyiv, Vyd-vo TsK LKSMU "Molod'," 1957] 331 p. (MIRA 11:8)
(Arctic regions—Description and travel)

DENISENKO, V.S., starshiy leytenant meditsinskoy sluzhby

Erythromycin therapy in cutaneous and subcutaneous suppurative diseases; experimental studies. Voen. med. zhur. no.4:77-79 Ap '59. (MIRA 12:8)

(PYODERMA, exper.
eff. of erythromycin (Rus))
(ERYTHROMYCIN, eff.
on exper. pyoderma (Rus))

DENISENKO, V.T. [Denysenko, V.T.], traktorist

Let's exceed our production norms each day. Mekh.sil'.hosp. 9 no.11:6 N '58. (MIRA 11:12)

1. Kolkhoz "Dnipro" Cherkasskogo rayona, Cherkasskoy oblasti.
(Agriculture--Production standards)

DENISENKO, Vladimir Vasil'yevich; SMIRNOV, A.V., red.; BASINKEVICH, I.R., red.izd-va; KARLOVA, G.L., tekhn. red.

[Using wooden sliding-friction parts in machinery]Primenenie v mashinakh drevesnykh detalei skol'ziashchego treniia. Moskva, Goslesbumizdat, 1962. 67 p. (MIRA 16:3)
(Machinery industry) (Wood, Compressed)

BONDAR', N.G., doktor tekhn.nauk, prof. (Dnepropetrovsk); DENISHENKO, Yu.N., inzh. (Dnepropetrovsk)

Application of the method of a variable time scale to the solution of problems concerning the dynamic action of a shifting load on a structure. Issl. po teor. sooruzh. no.14:73-91 '65. (MIRA 18:10)

DENISENKO, V.V.

Some data on the phytoplankton of the Adriatic Sea. Okeanologiia 2 no.4:699-704 '62. (MIRA 15:7)

1. Sevastopol'skaya biologicheskaya stantsiya imeni O.A.Kovalevskogo AN SSSR.

(Adriatic Sea--Phytoplankton)

MIRCHINK, Mikhail Fedorovich; BABA-ZADE, Baba Kurbanovich[deceased]; GEODEKYAN, Artem Aramovich; GODIN, Yuriy Nikolayevich [deceased]; DENISEVICH, Vladimir Vladimirovich; YUNGANS, S.M., ved. red.; STAROSTINA, L.D., tekhn. red.

[Regularities in the distribution of oil and gas wells] O zakonomernostiakh razmeshcheniia neftianykh i gazovykh mestorozhdenii. Moskva, Gostoptekhizdat, 1963. 120 p. (MIRA 16:9)

(Petroleum geology) (Gas, Natural--Geology)

MIKHAYLOV, A.A.; DENISENKO, V.V.

Phytoplankton in the Aegean Sea. Trudy SIO 16:90-105 '63.
(MIRA 17:6)

DENISENKO, V.V.

Some data on phytoplankton of the Adriatic Sea in July, 1960. Trudy SBS 16:107-112 '63. (MIRA 17:6)

DENISENKO, V.V.

Some data on seasonal and diurnal changes in the phytoplankton of the Adriatic Sea. Dokl. AN SSSR 151 no.5:1193-1194 Ag '63. (MIRA 16:9)

1. Sevastopol'skaya biologicheskaya stantsiya im. A.O.Kovalevskogo AN UkrSSR. Predstavleno akademikom Ye.N.Pavlovskim.
(Adriatic Sea--Phytoplankton)

DENISENKO, V.V.

Phytoplankton of the Adriatic, Ionian, Aegean and Black Seas in August of 1958. Trudy SBS 17:13-20 '64.
(MIRA 18:6)

BLOKH, G.A., dotsent; DENISENKO, V.Ye., inzh.

Effect of prolonged storage of filled rubbers on the quality of the finished products. Kozh.-obuv.prom. no.2:25-27 F '59. (MIRA 12:6)

(Rubber)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

13C

A-3

COMMON ELEMENTS

Polymerization of butadiene, isoprene, dimethyl[illegible] and cyclohexadiene. N. D. Z[illegible], M. S. EVSTROVA, and S. [illegible] No. 4, 11–14.—In [illegible] butadiene polymerization [illegible] from [illegible] isoprene butadiene [illegible] poly-merize [illegible] other hydro[illegible] 1 : 4-cyclohexadiene polymerizes only when heated.

Ch. Abs.

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

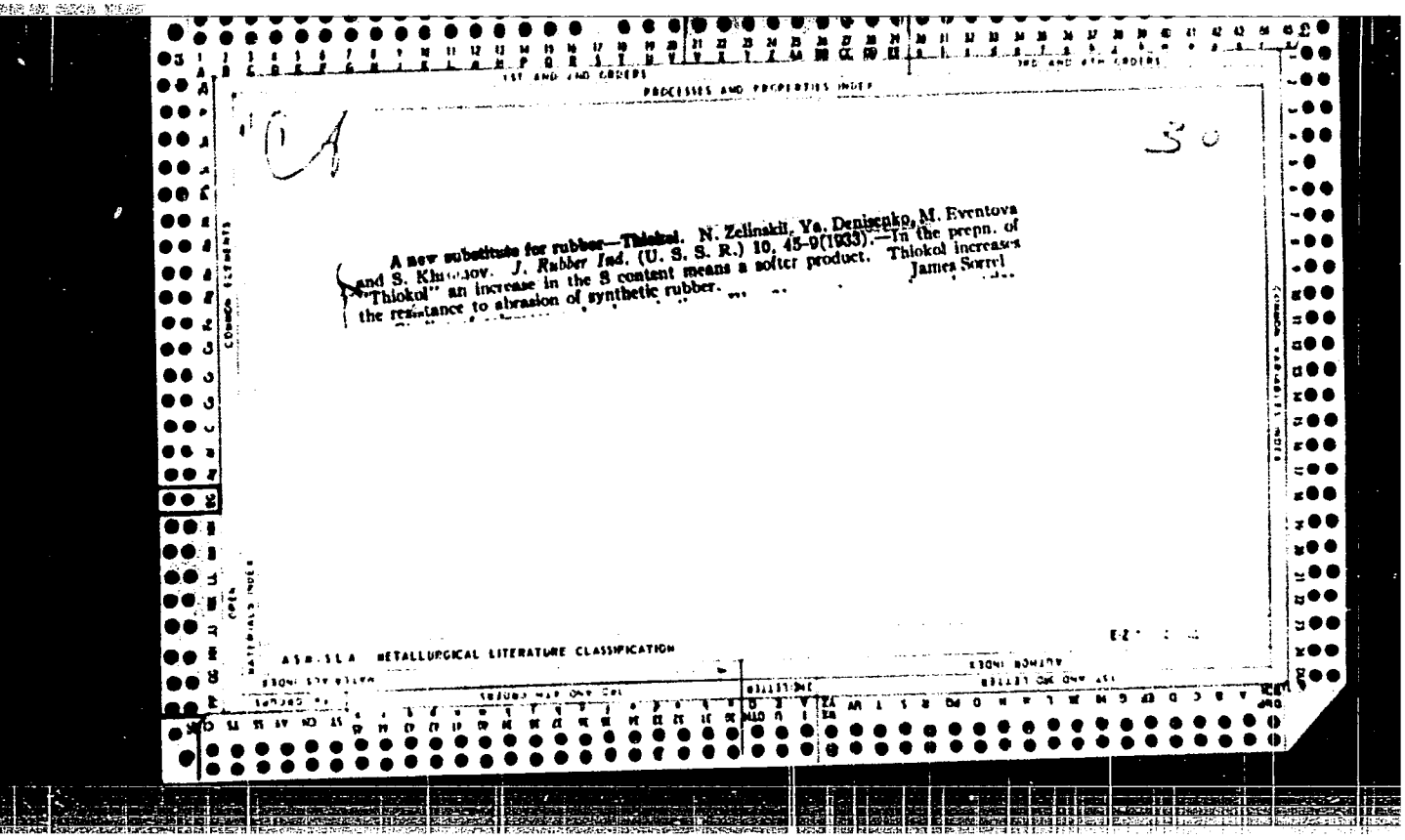
AUTHOR INDEX

1ST GROUPS

3RD AND 4TH ORDERS

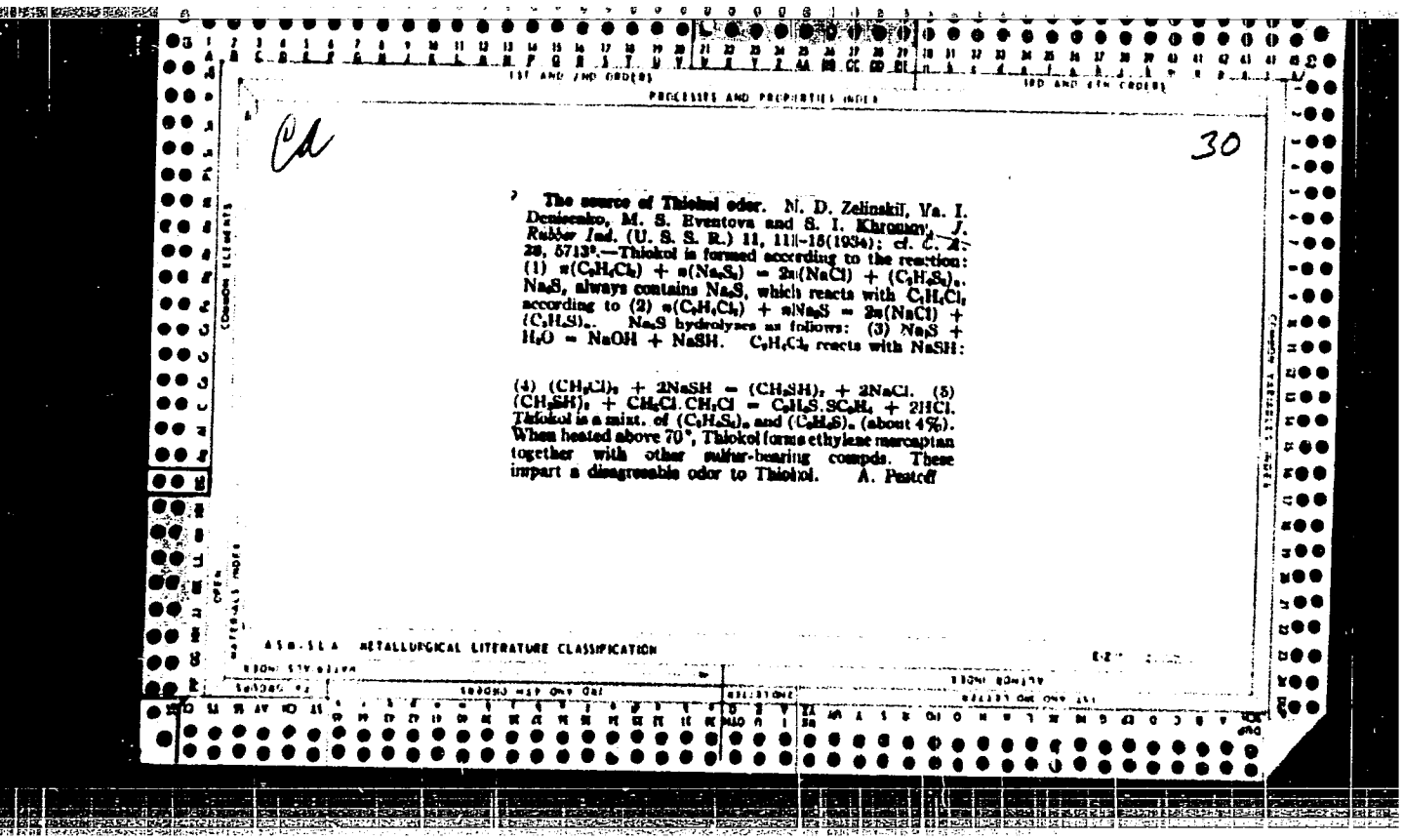
3RD LETTER

1ST AND 2ND LETTER



A new substitute for rubber—Thiokol. N. Zelinskii, Ya. Denisenko, M. Eventova and S. Khmelnov. *J. Rubber Ind.* (U. S. S. R.) 10, 45-9(1933).—In the prepn. of "Thiokol" an increase in the S content means a softer product. Thiokol increases the resistance to abrasion of synthetic rubber. James Sorrel

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



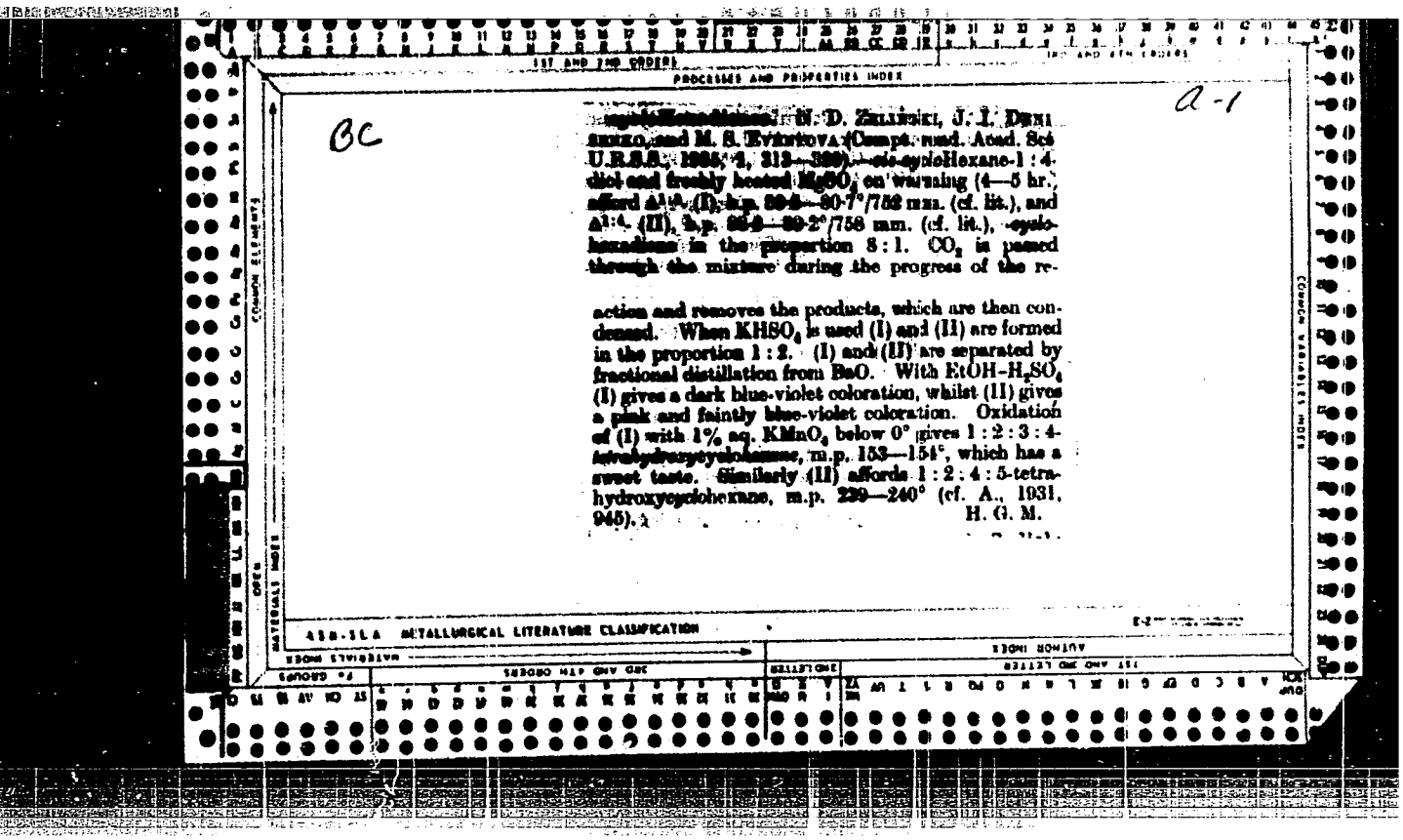
CA

30

The source of Thiokol odor. N. D. Zelinskii, Va. I. Denisenko, M. S. Eventova and S. I. Khromov. *J. Rubber Ind.* (U. S. S. R.) 11, 111–18(1934); cf. *C.* 28, 5713⁹.—Thiokol is formed according to the reaction: (1) $n(C_2H_4Cl_2) + n(Na_2S_4) = 2n(NaCl) + (C_2H_4S_4)_n$. Na_2S_4 always contains Na_2S, which reacts with $C_2H_4Cl_2$ according to (2) $n(C_2H_4Cl_2) + nNa_2S = 2n(NaCl) + (C_2H_4S)_n$. Na_2S hydrolyzes as follows: (3) $Na_2S + H_2O = NaOH + NaSH$. $C_2H_4Cl_2$ reacts with NaSH:

(4) $(CH_2Cl)_2 + 2NaSH = (CH_2SH)_2 + 2NaCl$. (5) $(CH_2SH)_2 + CH_2Cl.CH_2Cl = C_2H_4S.SC_2H_4 + 2HCl$. Thiokol is a mixt. of $(C_2H_4S_4)_n$ and $(C_2H_4S)_n$ (about 4%). When heated above 70°, Thiokol forms ethylene mercaptan together with other sulfur-bearing compds. These impart a disagreeable odor to Thiokol. A. Pestoff

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



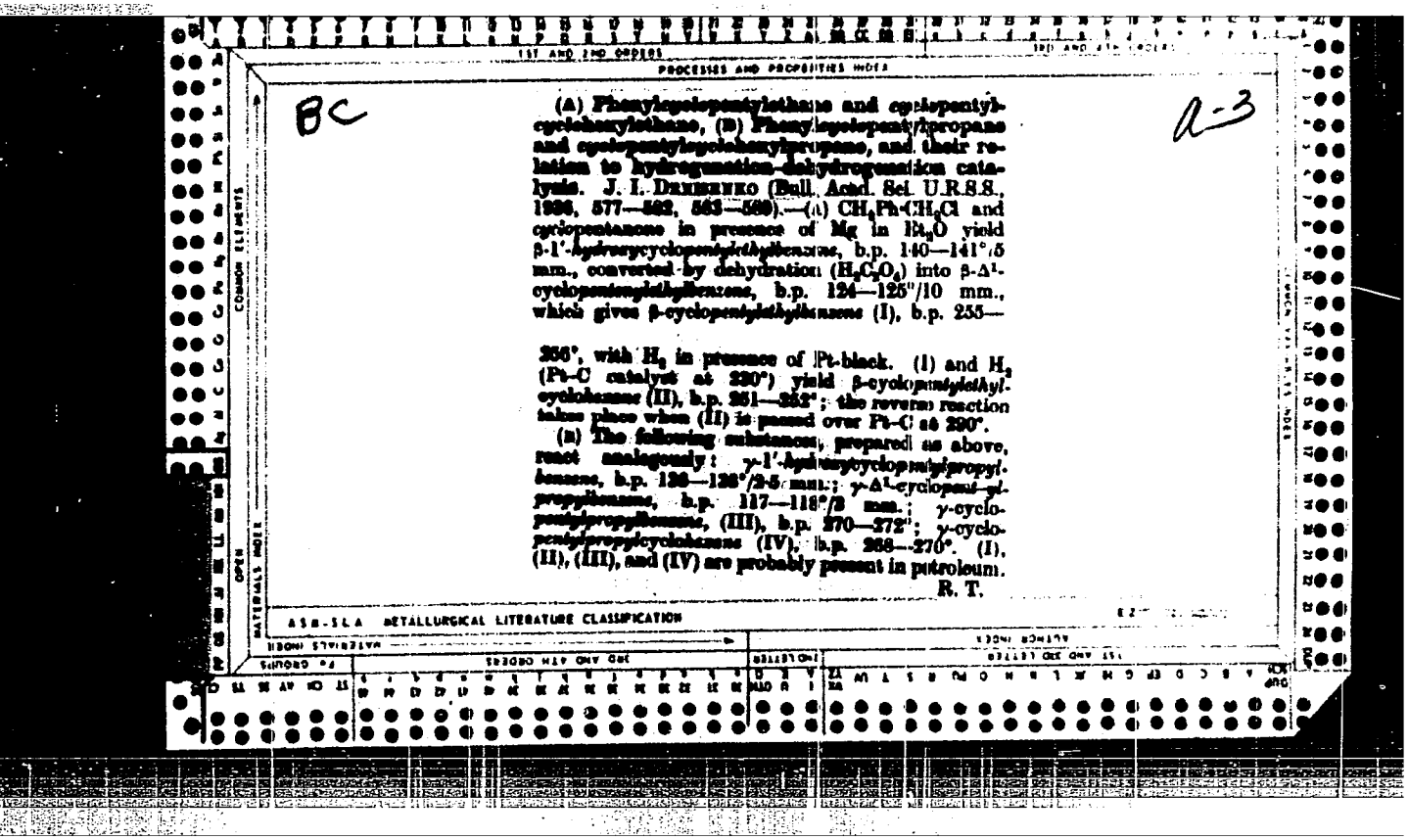
BC

A-1

PROCESSES AND PROPERTIES INDEX

[illegible] N. D. Zelinski, J. I. Denisenko, and M. S. Evstrova (Compt. rend. Acad. Sci U.R.S.S., 1936, 2, 213—220).—cis-cycloHexane-1 : 4-diol and freshly heated $MgSO_4$ on warming (4—5 hr.) afford $\Delta^{1:4}$-(I), b.p. 89·8—90·7°/752 mm. (cf. lit.), and $\Delta^{1:4}$-(II), b.p. 89·8—89·2°/756 mm. (cf. lit.), cyclohexadiene in the proportion 8 : 1. CO_2 is passed through the mixture during the progress of the reaction and removes the products, which are then condensed. When $KHSO_4$ is used (I) and (II) are formed in the proportion 1 : 2. (I) and (II) are separated by fractional distillation from BaO. With EtOH–H_2SO_4 (I) gives a dark blue-violet coloration, whilst (II) gives a pink and faintly blue-violet coloration. Oxidation of (I) with 1% aq. $KMnO_4$ below 0° gives 1 : 2 : 3 : 4-tetrahydroxycyclohexane, m.p. 153—154°, which has a sweet taste. Similarly (II) affords 1 : 2 : 4 : 5-tetrahydroxycyclohexane, m.p. 239—240° (cf. A., 1931, 945). H. G. M.

A58-11A METALLURGICAL LITERATURE CLASSIFICATION



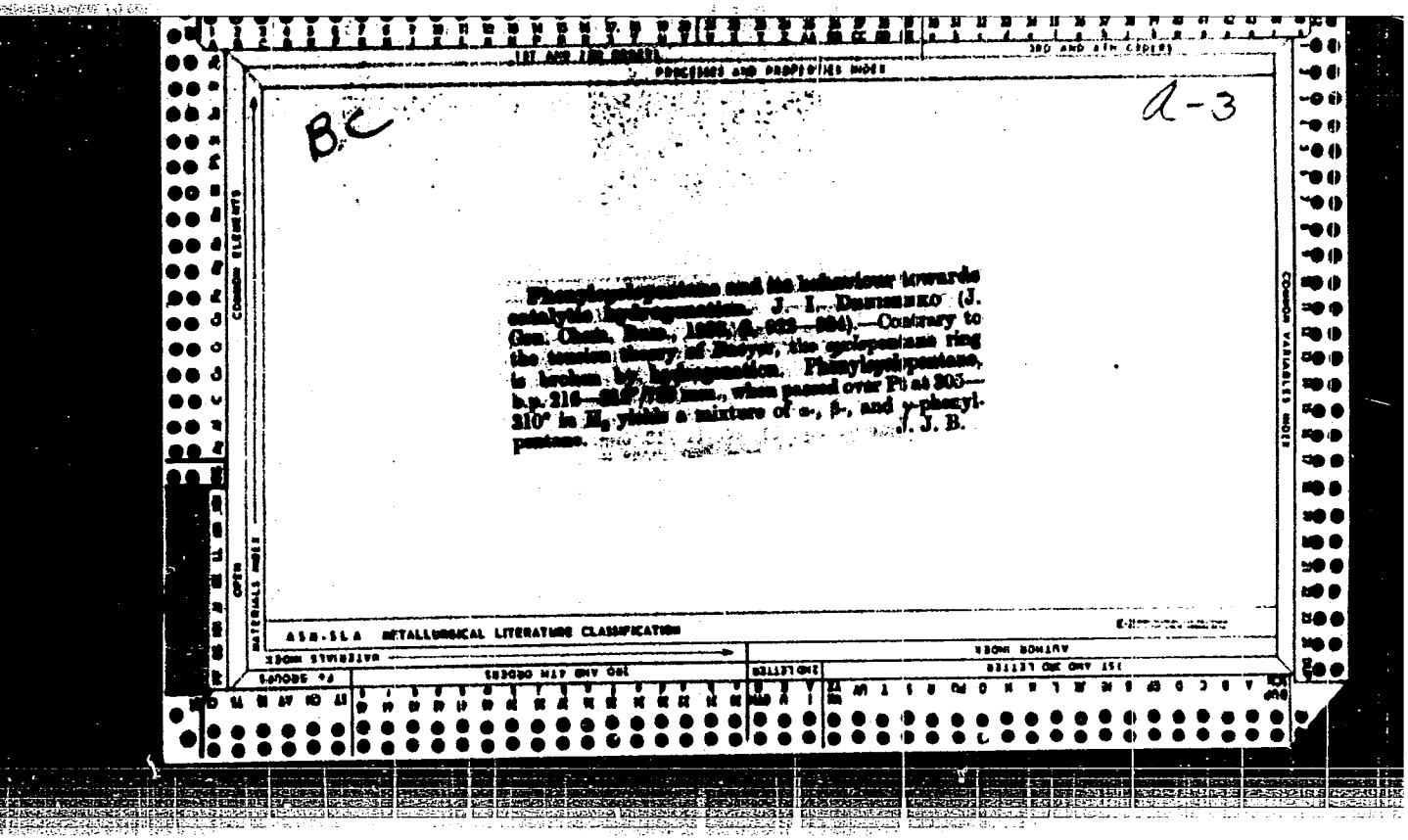
BC

A-3

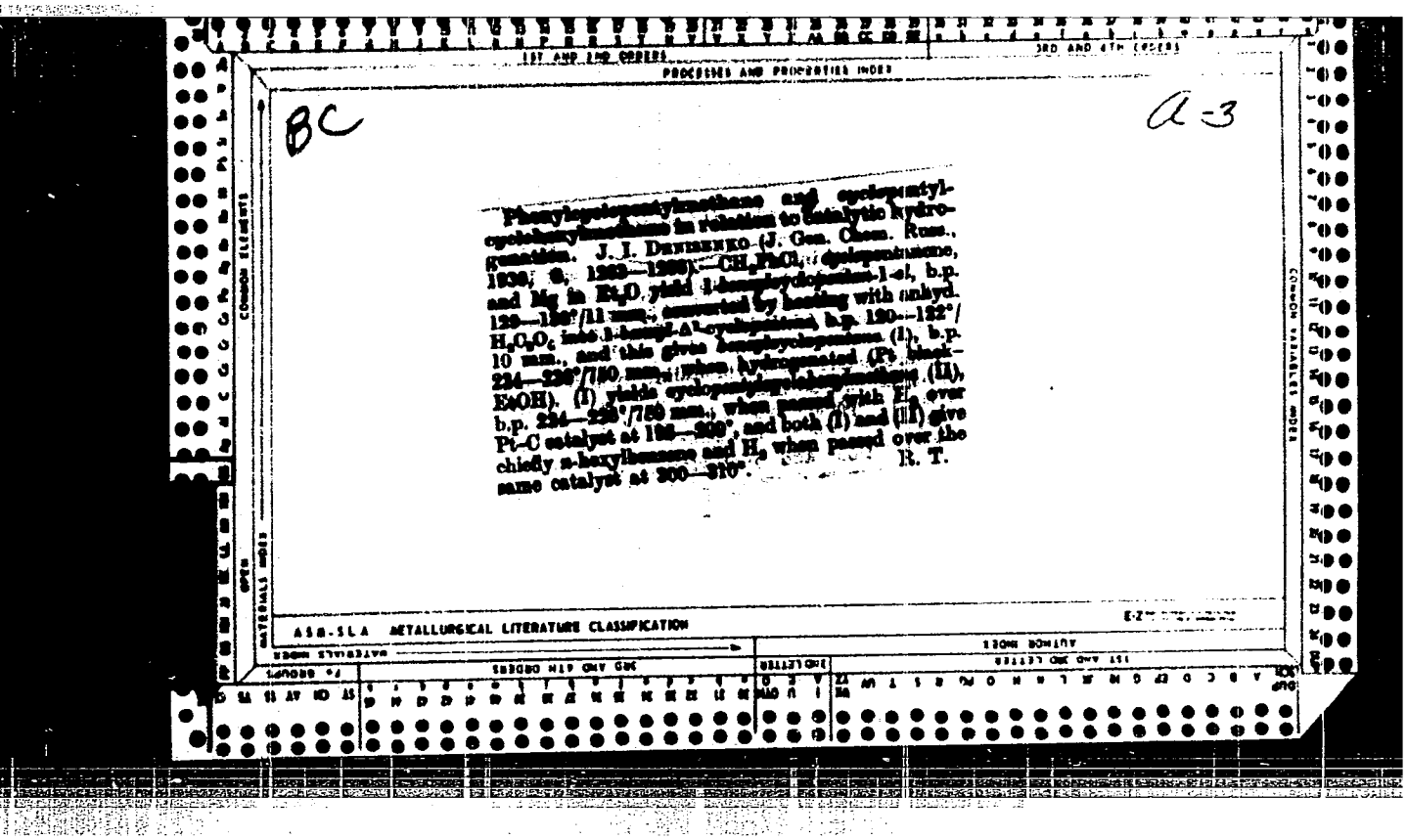
(A) Phenylcyclopentylethane and cyclopentylcyclohexylethane, (B) Phenylcyclopentylpropane and cyclopentylcyclohexylpropane, and their relation to hydrogenation-dehydrogenation catalysis. J. I. DEMENENKO (Bull. Acad. Sci. U.R.S.S., 1936, 577—602, 583—590).—(A) $CH_2Ph{\cdot}CH_2Cl$ and cyclopentanone in presence of Mg in Et_2O yield β-1'-*hydroxycyclopentylethylbenzene*, b.p. 140—141°/5 mm., converted by dehydration ($H_2C_2O_4$) into β-Δ¹-*cyclopentenylethylbenzene*, b.p. 124—125°/10 mm., which gives β-*cyclopentylethylbenzene* (I), b.p. 255—256°, with H_2 in presence of Pt-black. (I) and H_2 (Pt–C catalyst at 220°) yield β-*cyclopentylethylcyclohexane* (II), b.p. 251—252°; the reverse reaction takes place when (II) is passed over Pt–C at 290°.

(B) The following substances, prepared as above, react analogously: γ-1'-*hydroxycyclopentylpropylbenzene*, b.p. 126—128°/3·5 mm.; γ-Δ¹-*cyclopentenylpropylbenzene*, b.p. 117—118°/3 mm.; γ-*cyclopentylpropylbenzene*, (III), b.p. 270—272°; γ-*cyclopentylpropylcyclohexane* (IV), b.p. 268—270°. (I), (II), (III), and (IV) are probably present in petroleum.

R. T.



Phenylcyclopentane and its behaviour towards catalytic hydrogenation. J. I. Dantsenko (J. Gen. Chem. Russ., 1938, 8, 903—904).—Contrary to the tension theory of Baeyer, the cyclopentane ring is broken by hydrogenation. Phenylcyclopentane, b.p. 216—217°/760 mm., when passed over Pt at 305—310° in H_2 yields a mixture of α-, β-, and γ-phenylpentane. J. J. B.



Phenylcyclopentylmethane and cyclopentylcyclohexylmethane in relation to catalytic hydrogenation. J. J. Dmitrenko (J. Gen. Chem. Russ., 1939, 9, 1269—1280).—CH_2PhCl, cyclopentanone, and Mg in Et_2O yield 1-benzylcyclopentan-1-ol, b.p. 129—130°/11 mm., converted by heating with anhyd. H_2O_4 into 1-benzyl-Δ^1-cyclopentene, b.p. 120—122°/10 mm., and this gives benzylcyclopentane (I), b.p. 234—236°/760 mm., when hydrogenated (Pt black—EtOH). (I) yields cyclopentylcyclohexylmethane (II), b.p. 234—236°/760 mm., when passed with H_2 over Pt–C catalyst at 180—200°, and both (I) and (II) give chiefly n-hexylbenzene and H_2 when passed over the same catalyst at 300—310°. R. T.

GOLTVYANITSA, K.P., inzh.; DENISENKO, V.O., inzh.

Roof insulator made of local raw materials. Stroi.mat. 7 no.2:28-29 F '61. (MIRA 14:3)
(Roofing) (Insulation(Heat))

ZHURKO, V.A.; LANDA, I.M.; DENISENKO, V.Ye.

Manufacture of artificial "IK" fiber leather in rolls.
Kozh.-obuv. prom. 2 no. 11:19-22 N '60. (MIRA 13:12)
(Leather, Artificial)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

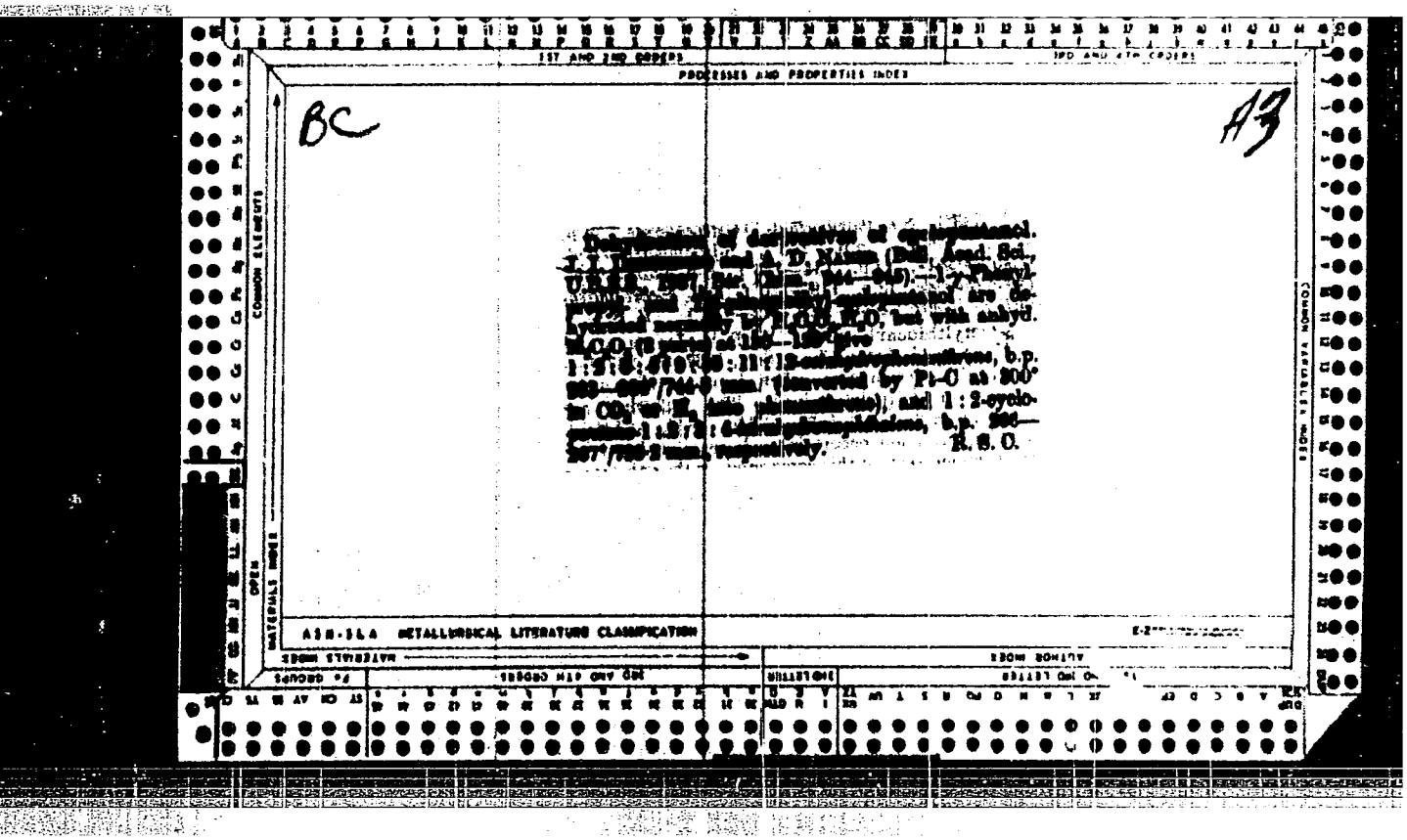
3RD AND 4TH ORDERS

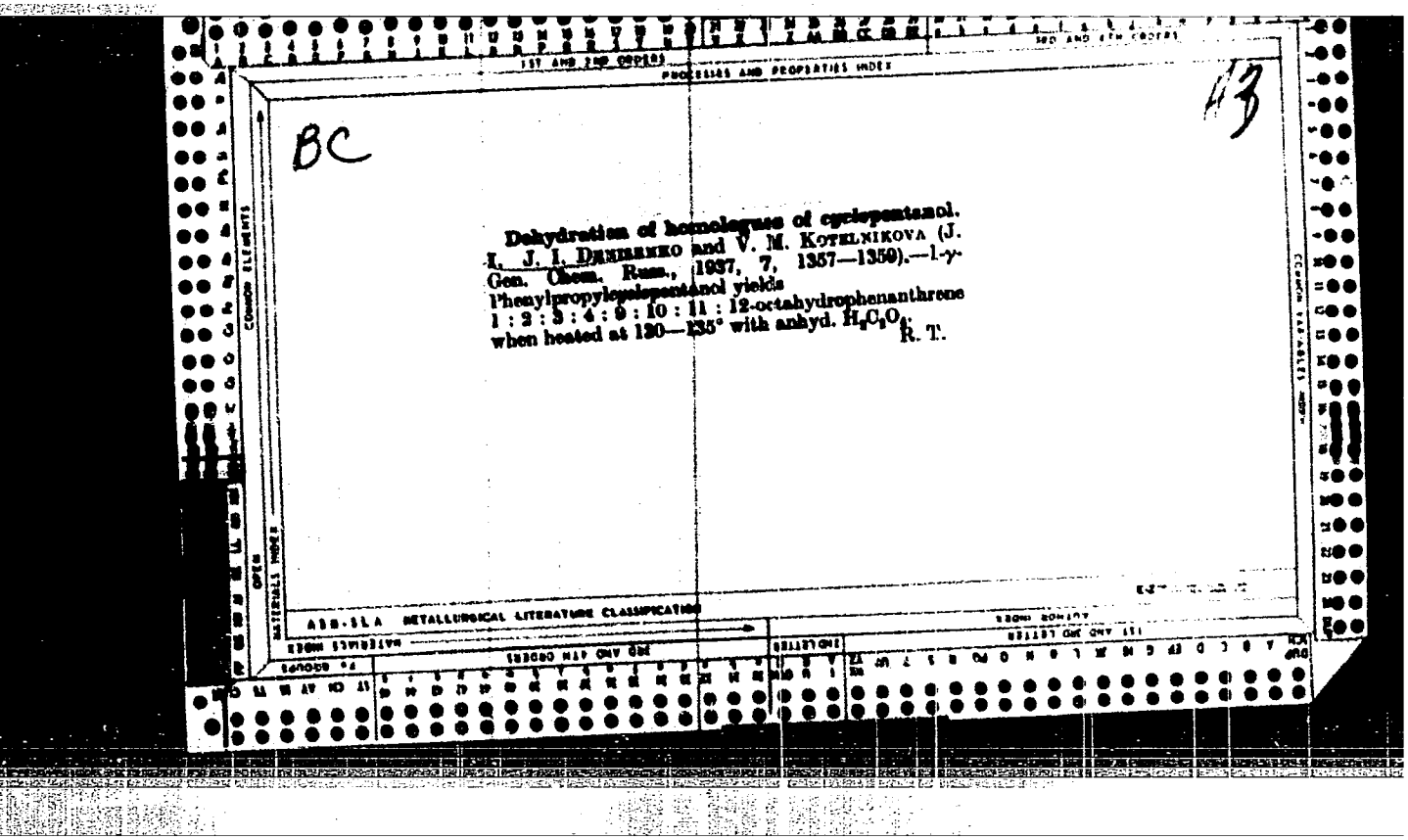
Ca

10

Dehydration of certain derivatives of cyclopentanol Ya. I. Denisenko and A. D. Nabrt. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat., Sér. chim.* 1937, 839–44 (in English 944–5); cf. *C. A.* 30, 6345[a]; 31, 96[a]. — Dehydration with anhyd. oxalic acid converts certain homologs of cyclopentanol into polycyclic satd. hydrocarbons. 1-Phenyl-3-(1-cyclopentanol)propane is easily converted into 1,2,3,4,9,10,11,12-octahydrophenanthrene. 1-Phenyl-2(1-cyclopentanol)ethane is converted into 1,2-cyclopentano-1,2,3,4-tetrahydronaphthalene ($C_{14}H_{18}$). Octahydrophenanthrene is reduced quantitatively to phenanthrene by reduction with H_2 or CO, at 300° in presence of platinized charcoal. V. A. Kalichevsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

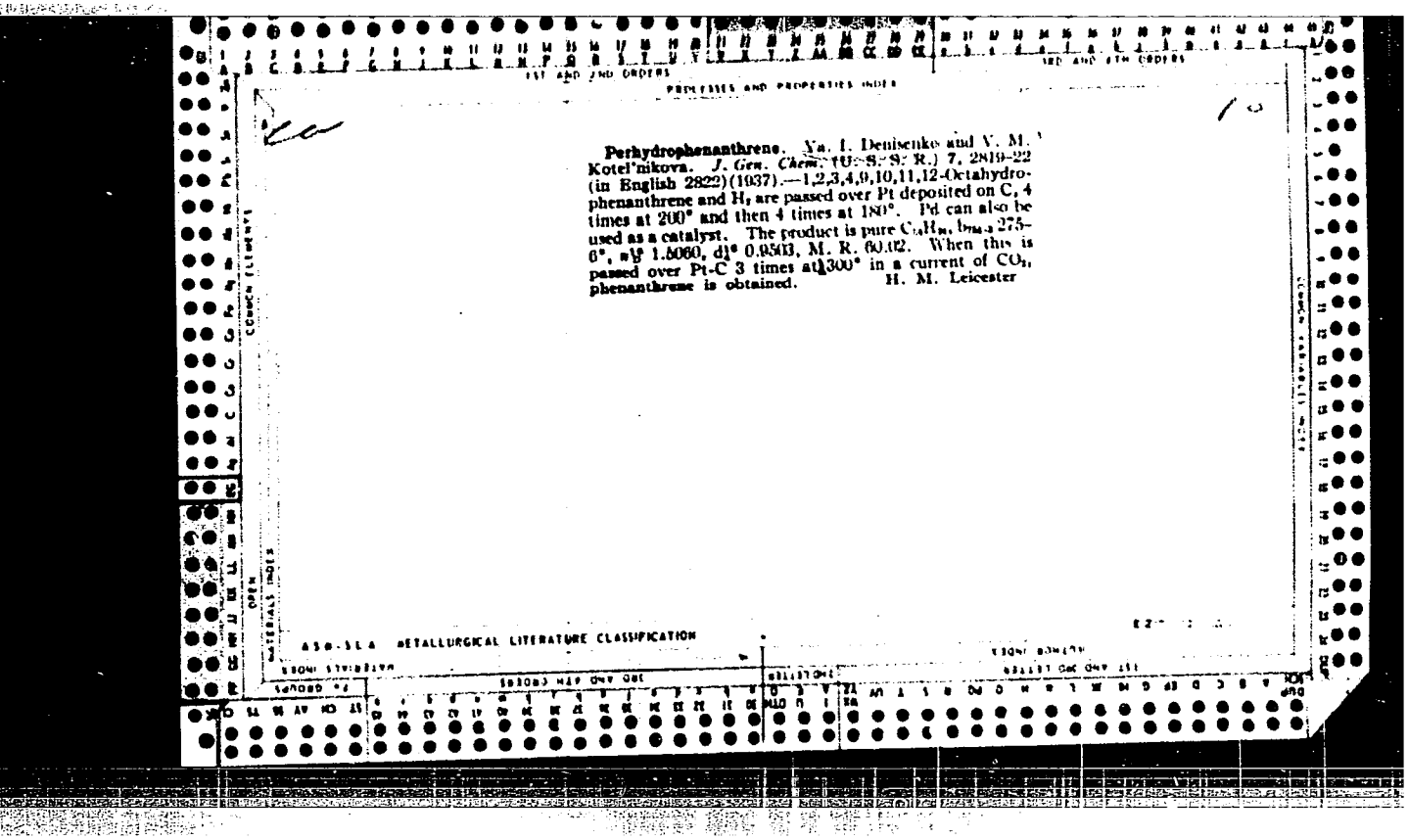




BC

43

Dehydration of homologues of cyclopentanol. I. J. I. Danilenko and V. M. Kotelnikova (J. Gen. Chem. Russ., 1937, 7, 1357—1359).—1-γ-Phenylpropylcyclopentanol yields 1 : 2 : 3 : 4 : 9 : 10 : 11 : 12-octahydrophenanthrene when heated at 130—135° with anhyd. $H_2C_2O_4$. R. T.



Perhydrophenanthrene. Ya. I. Denisenko and V. M. Kotel'nikova. *J. Gen. Chem.* (U.S.S.R.) 7, 2819–22 (in English 2822)(1937).—1,2,3,4,9,10,11,12-Octahydrophenanthrene and H_2 are passed over Pt deposited on C, 4 times at 200° and then 4 times at 180°. Pd can also be used as a catalyst. The product is pure $C_{14}H_{18}$, b_{760} 275–6°, n_D^{20} 1.5060, d_4^{20} 0.9503, M. R. 60.02. When this is passed over Pt-C 3 times at 300° in a current of CO_2, phenanthrene is obtained. H. M. Leicester

1ST AND 2ND ORDERS

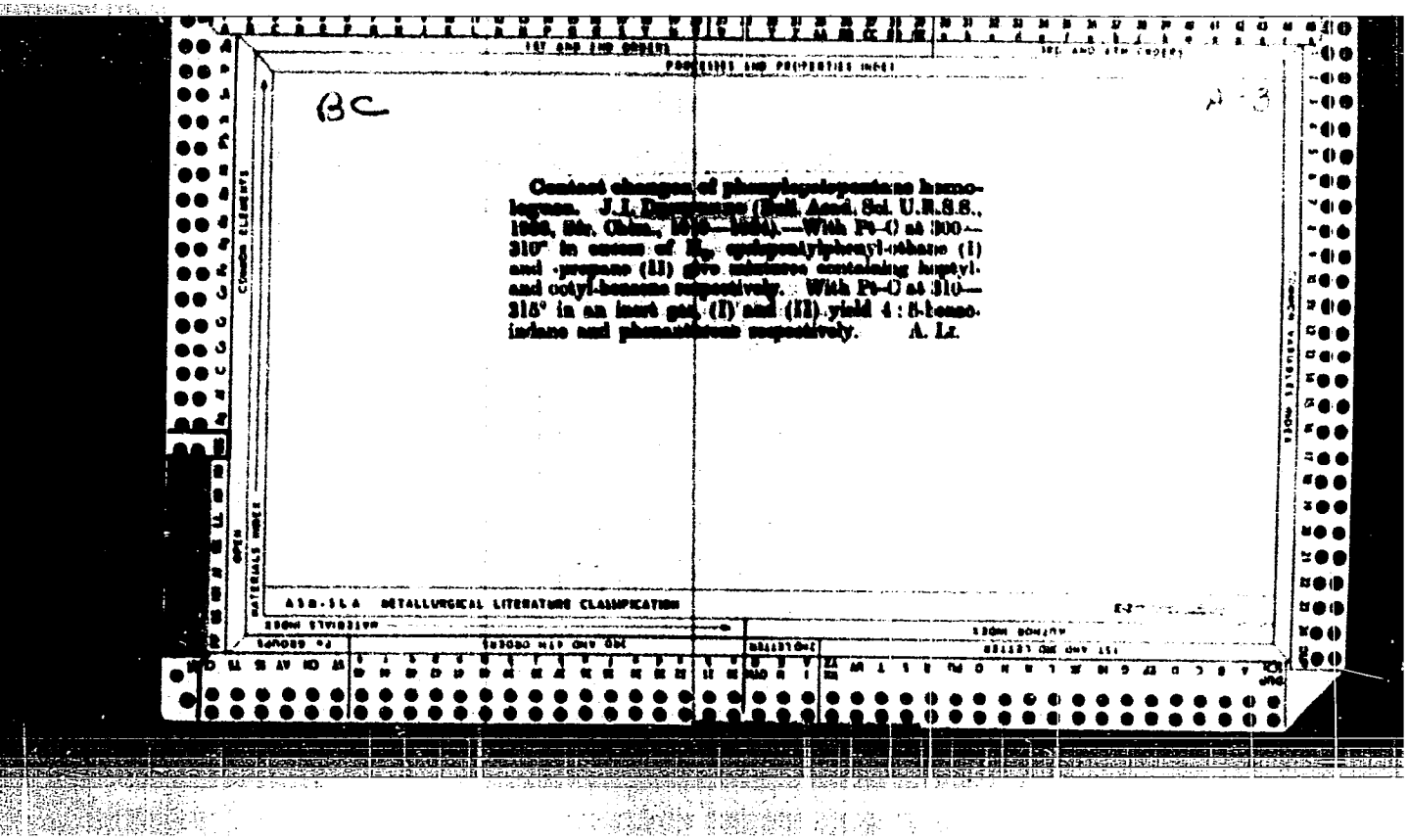
PROCESSES AND PROPERTIES INDEX

BC

03

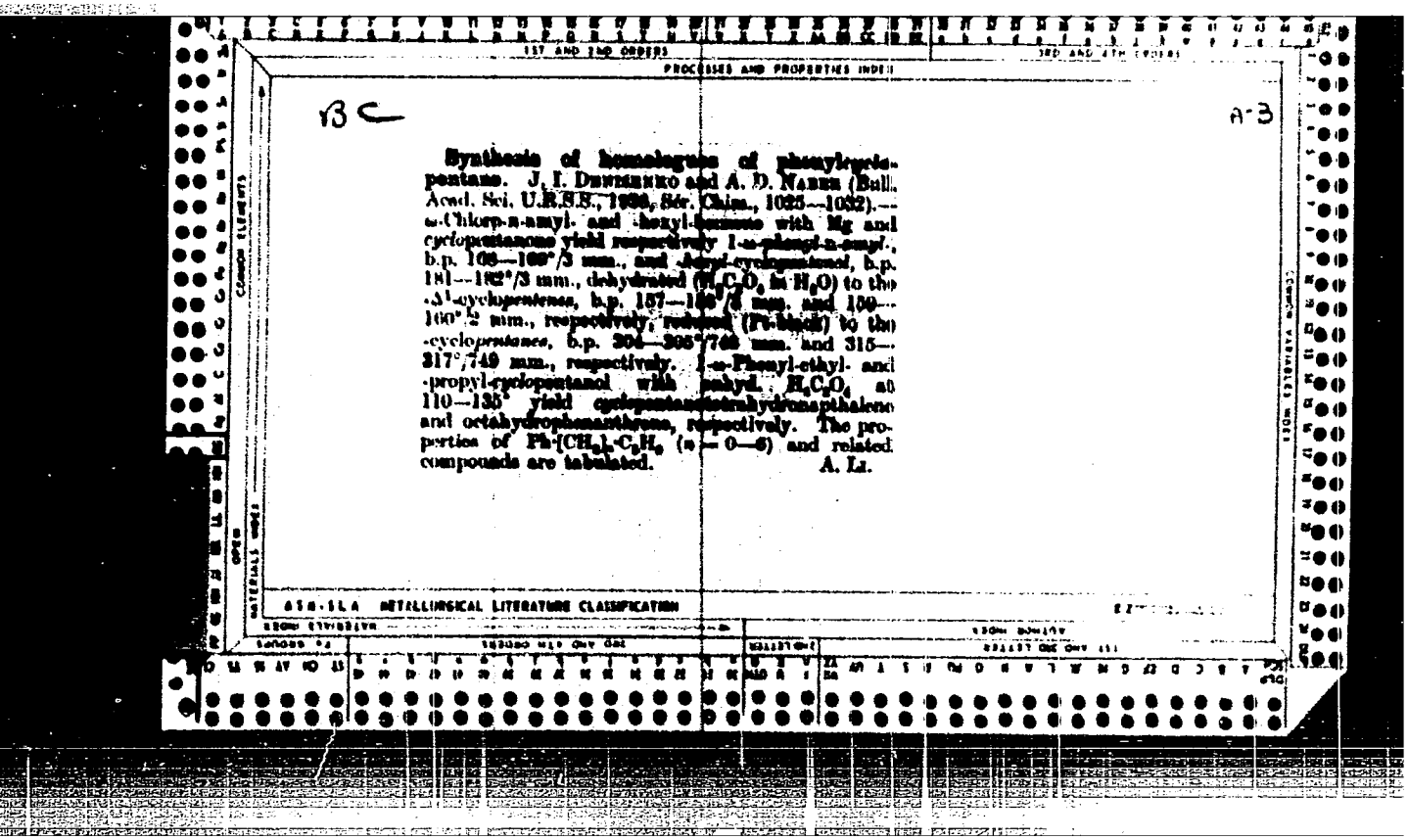
α-cycloPentyl-δ-phenylbutane and its transformations. J. I. Denisenko and A. D. Naber (Bull. Acad. Sci. U.R.S.S., 1936, Sér. Chim., 1015—1018).—δ-Chloro-n-butylbenzene with Mg and cyclopentanone yields 1-δ-phenyl-n-butyl-cyclopentanol, b.p. 155—160°/3 mm., dehydrated ($H_2C_2O_4,2H_2O$) to the Δ^1-cyclopentene, b.p. [illegible]—147°/3 mm., which with H_2–Pt-black at room temp. yields the cyclopentane (I), b.p. [illegible]/754 mm. (I) is reduced (H_2, Pt–C at [illegible]) to α-cyclopentyl-δ-cyclohexyl-n-butane, b.p. 284·5—[illegible]°/745·1 mm., dehydrogenated (Pt-C at 280°) to (I). A. Li.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



BC

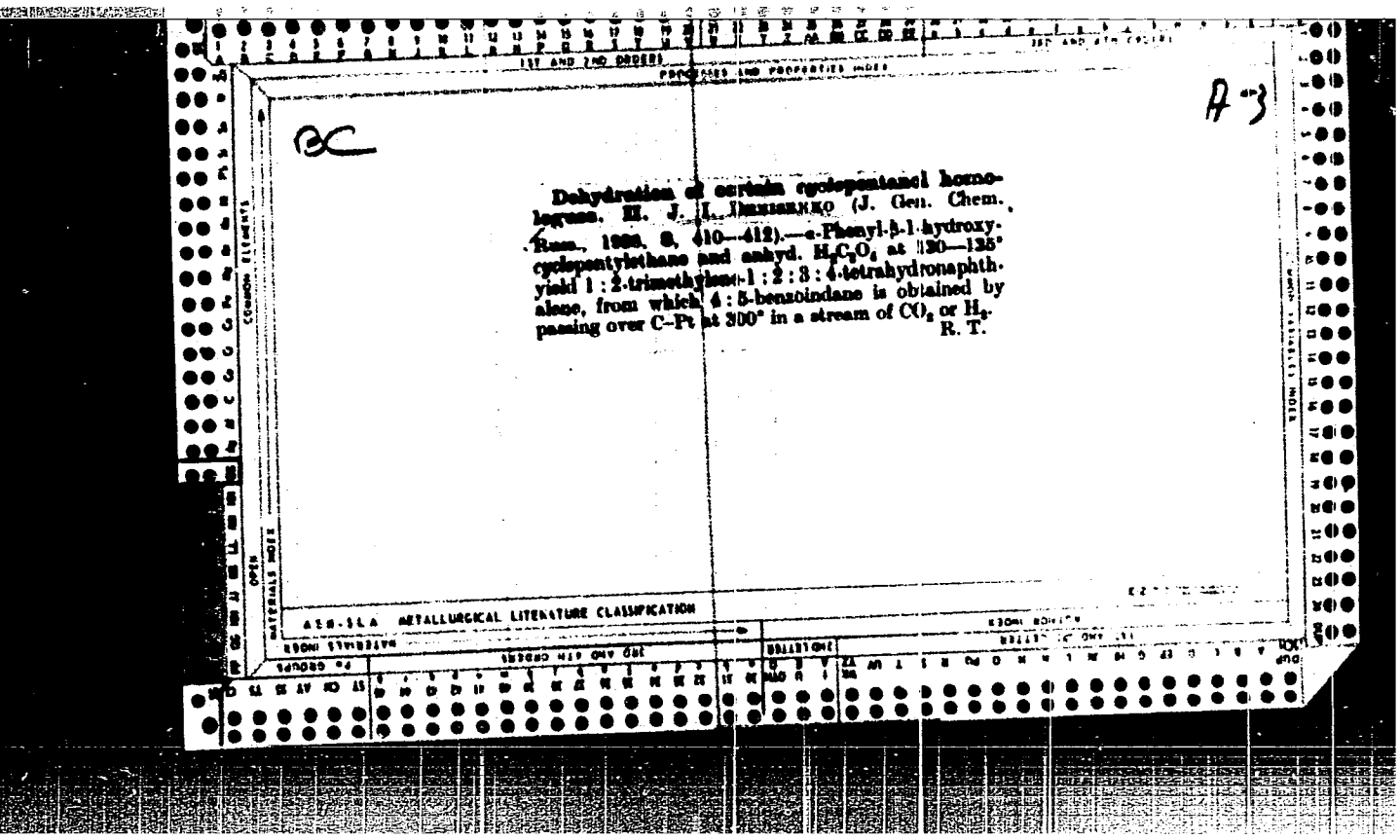
Content changes of phosphoglycoprotein hemoglobin. J. I. [illegible] (Bull. Acad. Sci. U.S.S.R., 1956, Sér. Chim., [illegible]).—With Pt–C at 300—310° in excess of H_2, cyclopentylphenyl-ethane (I) and -propane (II) give mixtures containing butyl- and octyl-benzene respectively. With Pt–C at 310—315° in an inert gas, (I) and (II) yield 4 : 5-benzoindane and phenanthrene respectively. A. Lz.



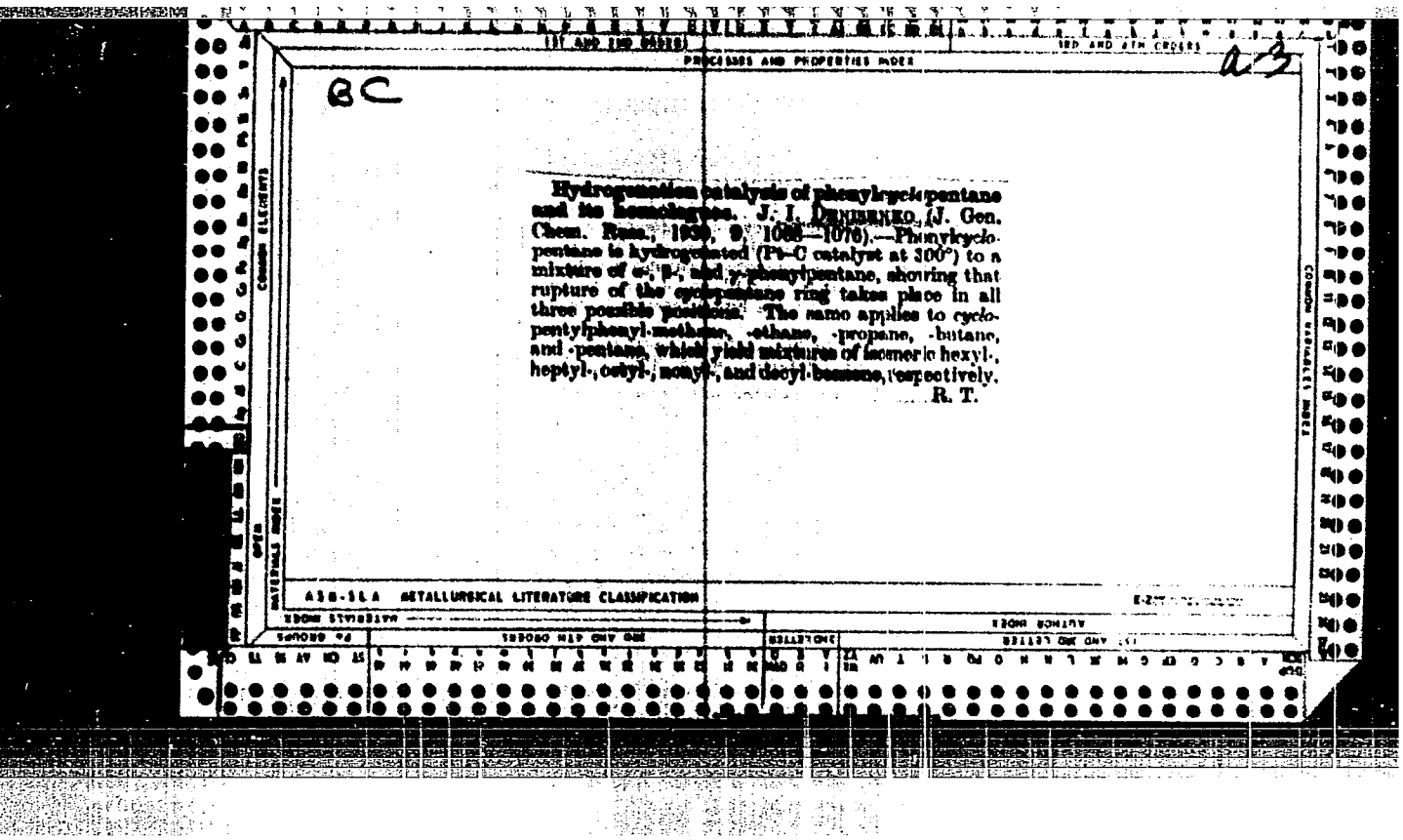
B C

A-3

Synthesis of homologues of phenylcyclopentane. J. I. Dawidenko and A. D. Nabem (Bull. Acad. Sci. U.R.S.S., 1936, Sér. Chim., 1025—1032).—ω-Chlorp-n-amyl- and -hexyl-benzene with Mg and cyclopentanone yield respectively 1-ω-phenyl-n-amyl-, b.p. 168—169°/3 mm., and -hexyl-cyclopentanol, b.p. 181—182°/3 mm., dehydrated ($H_2C_2O_4$ in H_2O) to the -Δ¹-cyclopentenes, b.p. 157—158°/3 mm. and 159—160°/2 mm., respectively, reduced (Pt-black) to the -cyclopentanes, b.p. 304—305°/760 mm. and 315—317°/749 mm., respectively. 1-ω-Phenyl-ethyl- and -propyl-cyclopentanol with anhyd. $H_2C_2O_4$ at 110—135° yield cyclopentano-tetrahydronaphthalene and octahydrophenanthrene, respectively. The properties of Ph·[CH_2]$_n$·C_5H_9 (n = 0—6) and related compounds are tabulated. A. Ll.



Dehydration of certain cyclopentanol homologues. III. J. L. [illegible]KO (J. Gen. Chem. Russ., 1939, 9, 410—412).—α-Phenyl-β-1-hydroxycyclopentylethane and anhyd. $H_2C_2O_4$ at 130—135° yield 1 : 2-trimethylene-1 : 2 : 3 : 4-tetrahydronaphthalene, from which 4 : 5-benzoindane is obtained by passing over C–Pt at 300° in a stream of CO_2 or H_2. R. T.



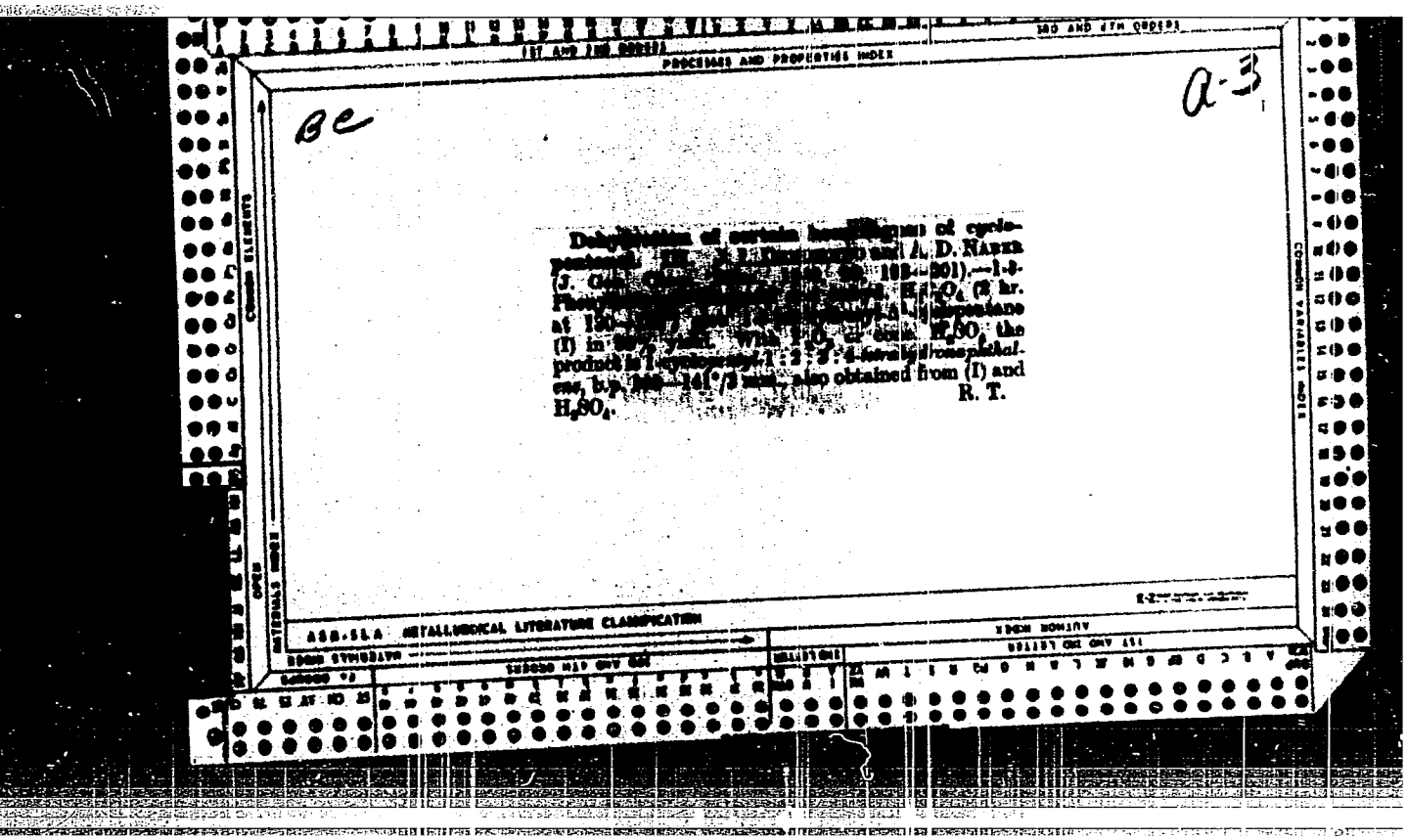
BC

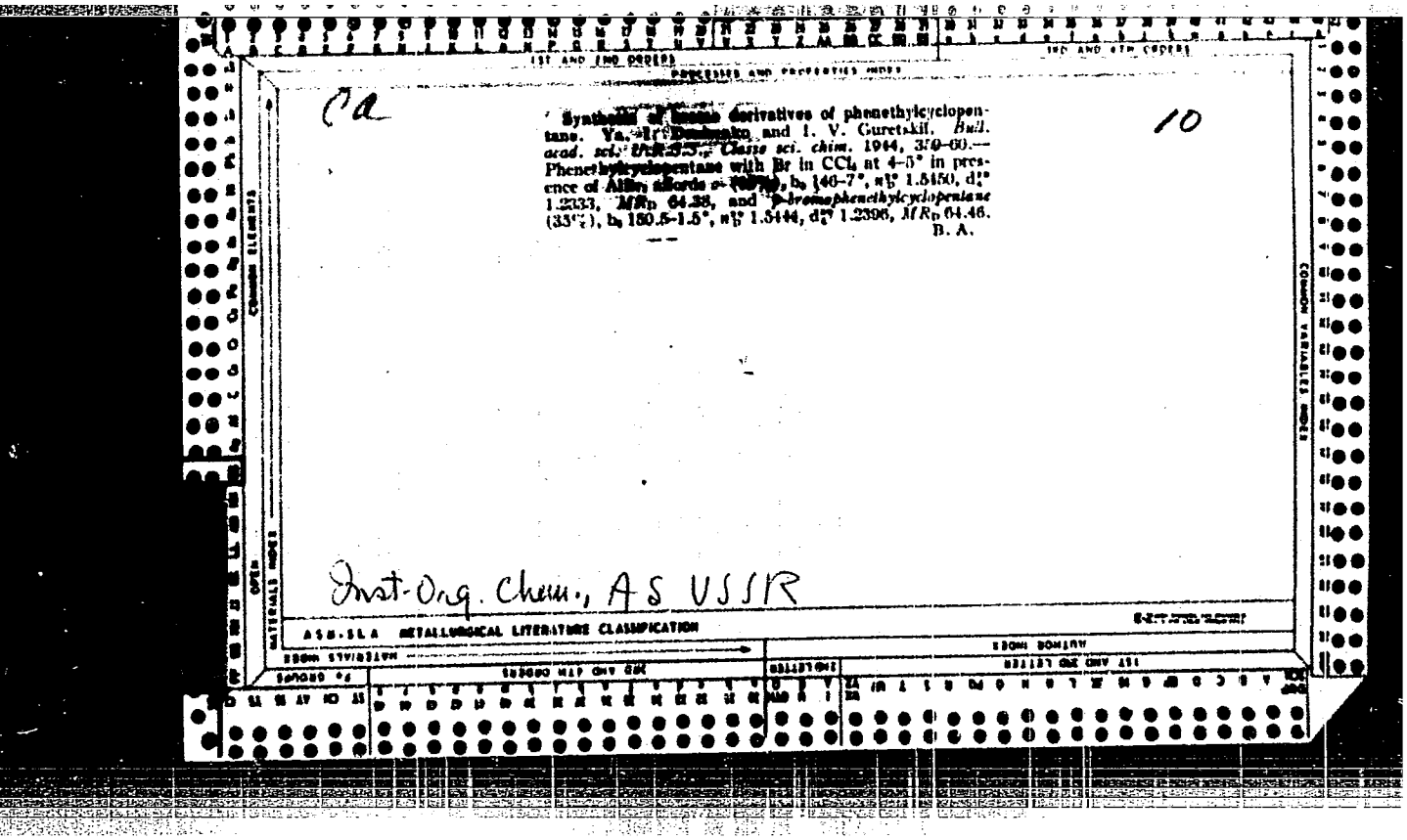
a3

Hydrogenation catalysis of phenylcyclopentane and its homologues. J. I. DEMBRELO. (J. Gen. Chem. Russ., 1939, 9, 1068—1076).—Phenylcyclopentane is hydrogenated (Pt–C catalyst at 300°) to a mixture of α-, β-, and γ-phenylpentane, showing that rupture of the cyclopentane ring takes place in all three possible positions. The same applies to cyclopentylphenyl-methane, -ethane, -propane, -butane, and -pentane, which yield mixtures of isomeric hexyl-, heptyl-, octyl-, nonyl-, and decyl-benzene, respectively.

R. T.

A38-51A METALLURGICAL LITERATURE CLASSIFICATION



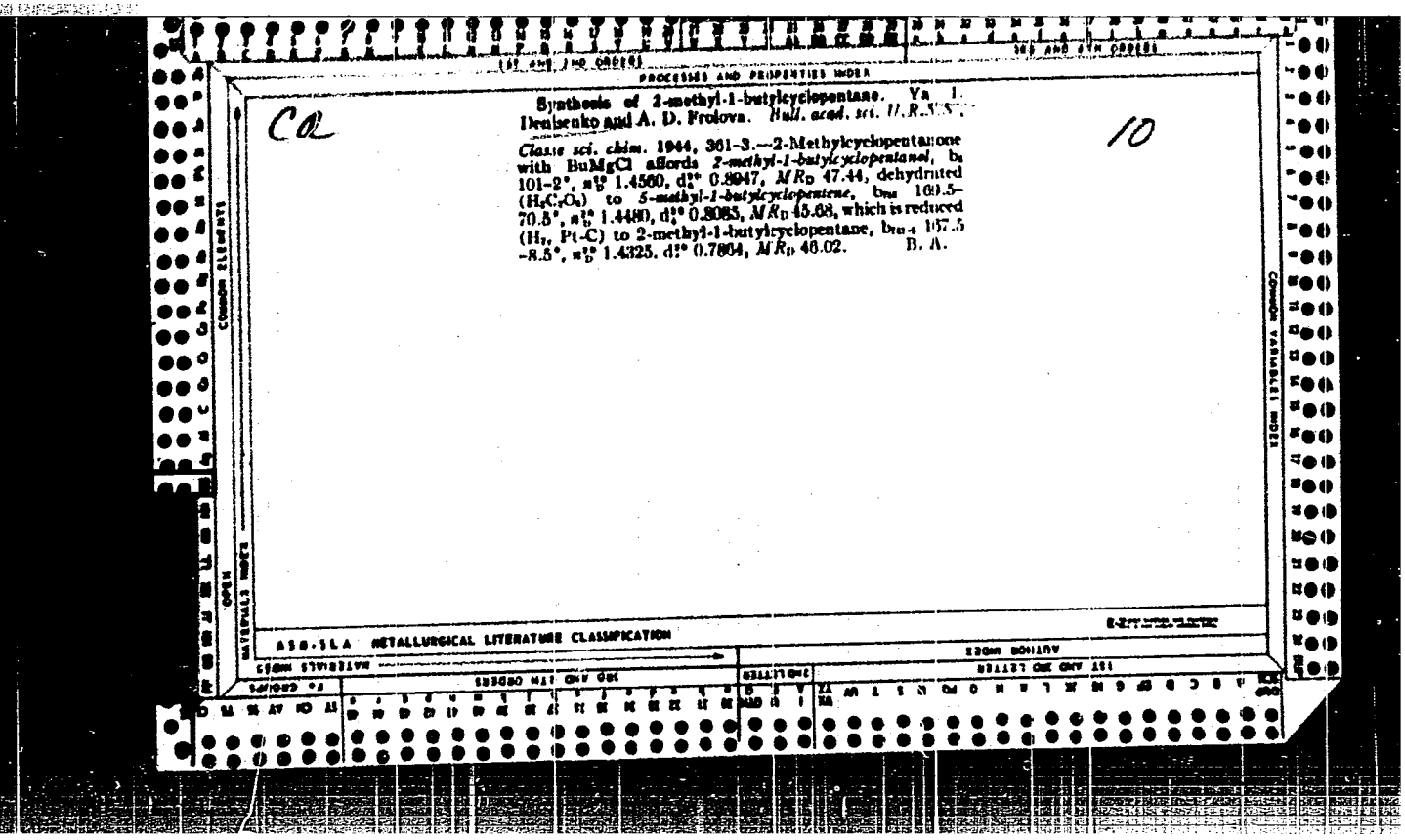


Ca

Synthesis of fluoro derivatives of phenethylcyclopentane. Ya. [illegible] Dombrovskii and I. V. Guretskii. *Bull. acad. sci. URSS, Classe sci. chim.* 1944, 359–60.—Phenethylcyclopentane with Br in CCl_4 at 4–5° in presence of AlBr$_3$ affords *o*-[illegible], b_6 140–7°, n_D^{20} 1.5450, d_4^{20} 1.2333, *MR*$_D$ 64.38, and *p*-*bromophenethylcyclopentane* (33%), b_6 150.5–1.5°, n_D^{20} 1.5444, d_4^{20} 1.2396, *MR*$_D$ 64.46. B. A.

10

Inst. Org. Chem., AS USSR



Ca

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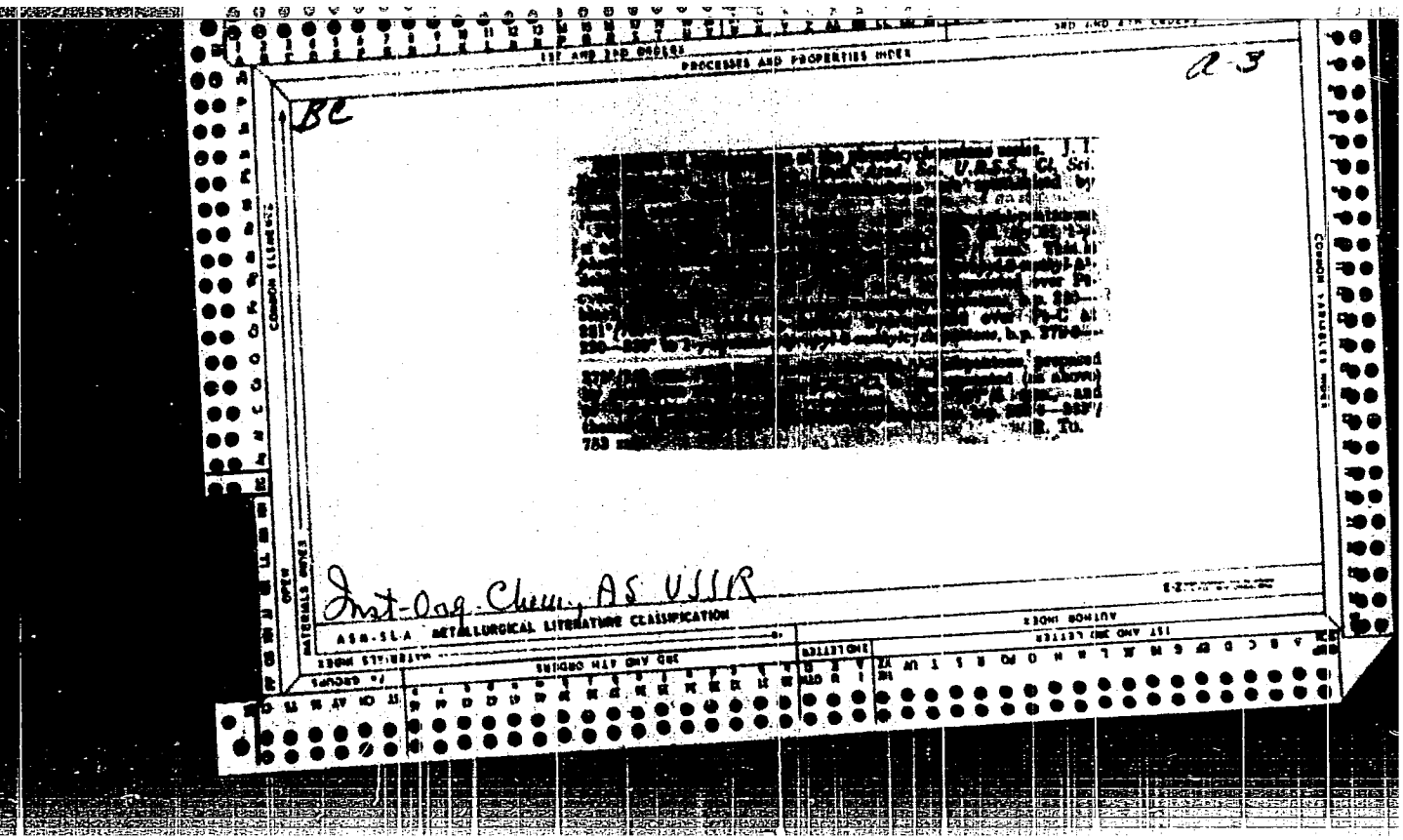
Synthesis of 2-methyl-1-butylcyclopentane. Ya. I. Denisenko and A. D. Frolova. *Bull. acad. sci. U.R.S.S., Classe sci. chim.* 1944, 361–3.—2-Methylcyclopentanone with BuMgCl affords *2-methyl-1-butylcyclopentanol*, b_4 101–2°, n_D^{20} 1.4560, d_4^{20} 0.8947, MR_D 47.44, dehydrated ($H_2C_2O_4$) to *5-methyl-1-butylcyclopentene*, b_{760} 169.5–70.5°, n_D^{20} 1.4480, d_4^{20} 0.8085, MR_D 45.68, which is reduced (H_2, Pt-C) to 2-methyl-1-butylcyclopentane, b_{760} 167.5–8.5°, n_D^{20} 1.4325, d_4^{20} 0.7804, MR_D 46.02. B. A.



DENISENKO, Ya. I.

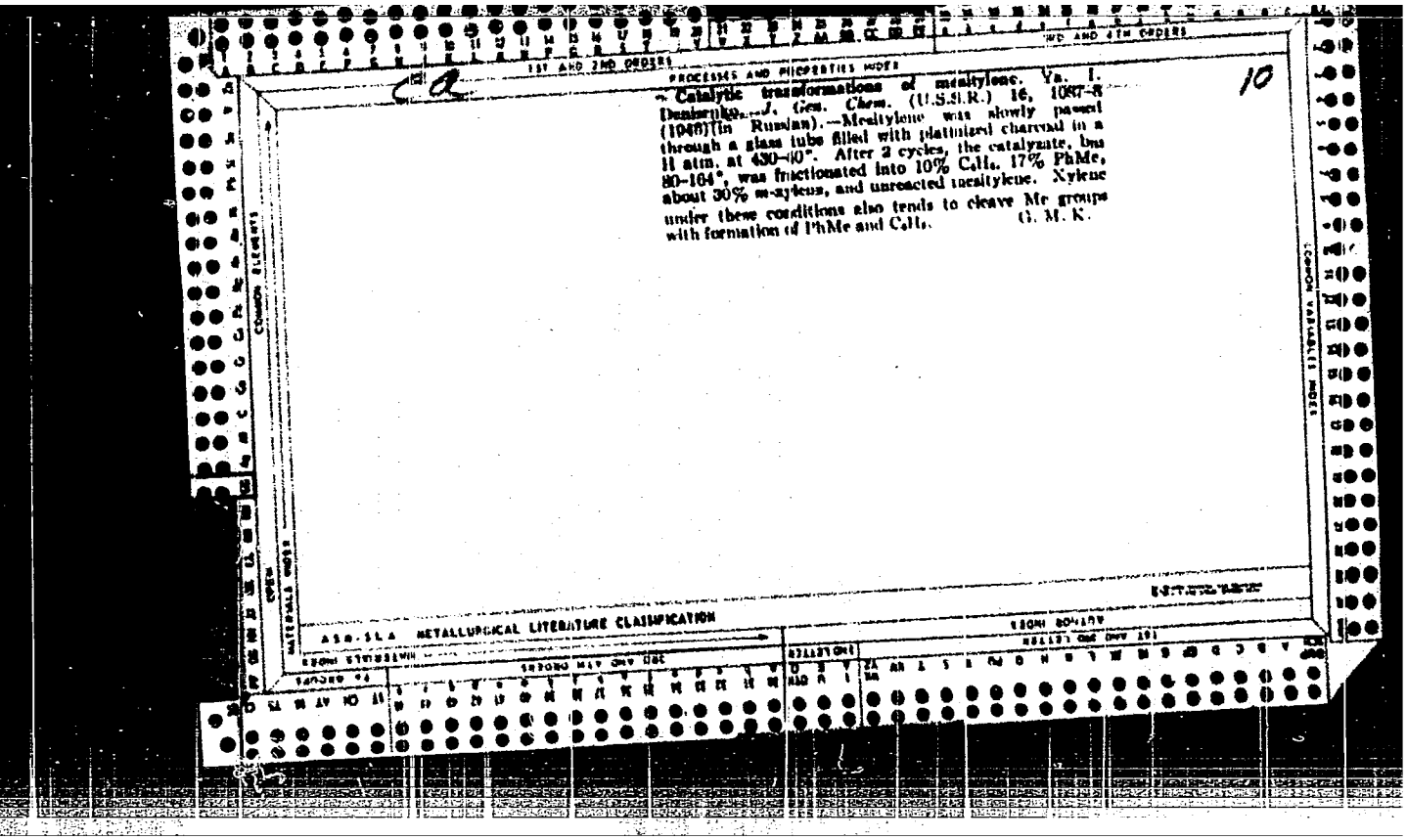
"On the Dehydration of Some Homologs of Phenylcyclopentanol. IV." by Ya. I. Denisenko (p. 911)

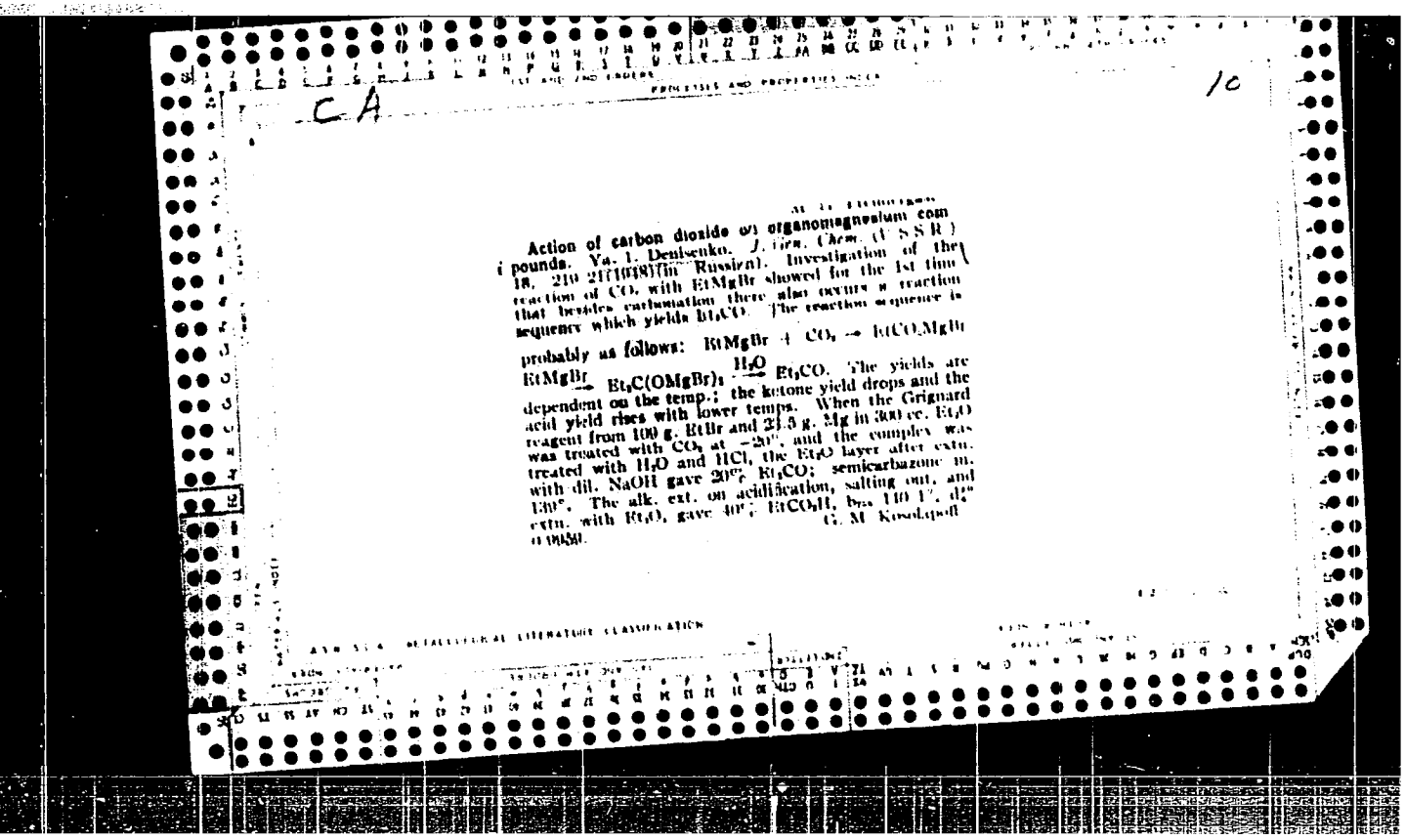
SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1946, Volume 16, No. 6

DENISENKO, Ya. I.

"Contact Transformations in the series of Phenycyclopentane" IX." by Ya. I. Denisenko (p. 916)

SO: Journal of General Chemsitry (Zhurnal Obshchei Khimii) 1946, Volume 16, No. 6





CA

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Action of carbon dioxide on organomagnesium compounds. Ya. I. Denisenko. *J. Gen. Chem. (U.S.S.R.)* 18, 210-21(1948)(in Russian). Investigation of the reaction of CO_2 with EtMgBr showed for the 1st time that besides carbonation there also occurs a reaction sequence which yields Et_2CO. The reaction sequence is probably as follows: $EtMgBr + CO_2 \rightarrow EtCO_2MgBr$; $EtMgBr \rightarrow Et_2C(OMgBr)_2 \xrightarrow{H_2O} Et_2CO$. The yields are dependent on the temp.; the ketone yield drops and the acid yield rises with lower temps. When the Grignard reagent from 100 g. EtBr and 21.5 g. Mg in 300 cc. Et_2O was treated with CO_2 at −20°, and the complex was treated with H_2O and HCl, the Et_2O layer after extn. with dil. NaOH gave 20% Et_2CO; semicarbazone m. 130°. The alk. ext. on acidification, salting out, and extn. with Et_2O, gave 40% $EtCO_2H$, b$_{760}$ 140.1°, d^{20}_4 0.9850.

G. M. Kosolapoff

VOLKOVA, I.N.; DENISENKO, Ya.I.

Kinetics of corn oil hydrogenation. Izv.vys.ucheb.zav.; pishch.tekh. no.4:83-85 '59. (MIRA 13:2)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti. Kafedra organicheskoy khimii.
(Corn oil) (Hydrogenation)

DENISENKO, Ya.I.; PEREDREYEVA, M.A.

Investigation of the process of vapor phase nitration of hydrocarbons of the cyclopentane series. Izv.vys.ucheb.zav.; khim.i khim.tekh. 2 no.5:720-725 '59. (MIRA 13:8)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra organicheskoy khimii.
(Cyclopentane) (Nitration)