

MEKRTCH'YAN, V., kand. sel'skokhozyaystvennykh nauk

Red tomatoes in winter. Un.tekh. 5 no.10:48 0 '60. (MIRA 13:12)
(Tomatoes)

MKRTCHYAN, Zh., inzh.; MURADKHANYAN, E., inzh.

Universal source of constant voltage in semiconductor devices.
Prom.Arm. 6 no.1:32-35 Ja '63. (MIRA 16:4)

1. Institut matematicheskikh mashin.
(Electric power supply to apparatus)

L 28058-66 EWT(d)/EWP(i) IJP(c) GG/BB/GS

ACC NR: AT6002994

SOURCE CODE: UR/0000/65/000/000/0309/0314

AUTHOR: Mkrtchyan, Zh. A.

47
B+1

ORG: none

TITLE: Power-supply unit for computers *ld*

SOURCE: Vsesoyuznoye soveshchaniye po magnitnym elementam avtomatiki i vychislitel'noy tekhniki. 9th, Yerevan, 1963. Magnitnyye tsifrovyye elementy (Magnetic digital elements); doklady soveshchaniya, Moscow, Izd-vo Nauka, 1965, 309-314

TOPIC TAGS: computer, power supply

ABSTRACT: As single-phase 50-cps ferroresonance-type stabilizers are bulky and depend on frequency variations, a circuit is suggested in which the power-supply transformer primary is equipped with taps changed by contactless devices. This will reduce the range of operation of the voltage stabilizer proper and, thereby, reduce the weight and power consumption of the entire power pack. Separately magnetized saturable inductors are recommended as contactless switches. Depending on the

Card 1/2

L 28058-66

ACC NR: AT6002994

0

supply voltage, the resistance of one of these parallel-connected inductors will approach zero and effect the virtual connection to the transformer. Engineering-design formulas are developed, and possible savings are evaluated. Orig. art. has: 3 figures, 17 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: 23Apr65

Card 2/2

CC

24 1900

2203

22285

S/152/61/000/004/008/009
B126/B219

AUTHORS:

Bagayev, A. M., Makhukov, N. G., Fisenko, N. I.,
Mkrtichan, A. A.

TITLE:

Defectoscopy of tubes by means of a УЗД-7Н (UZD-7N) flaw
detector

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz. no. 4,
1961, 103-107

TEXT: The authors conducted the elaboration of a method of defectoscopy in wide seamless pipes by means of the ultrasonic flaw detector УЗД-7Н (UZD-7N). This appliance permits examining with flat transducers (plain transducer) to a minimum depth of 7 mm in steel at a frequency of 2.5 Mc/sec and of 22 mm at a frequency of 0.8 Mc/sec. Pipes with 12-mm walls cannot be examined by the method with a plain transducer as the interval between the wave amplitudes would be too small; it is, however, possible to examine them by a double transducer system at 2.5 Mc/sec. This method, the beam of ultrasonic waves is directed through a water stratum to the surface of the pipe by means of one transducer - the

Card 1/3

22285

Defectoscopy of tubes...

S/152/61/000/004/008/009
B126/B219

✓

optimum angle is $11-12^{\circ}$ - whilst the second transducer receives the waves reflected from the inner surface of the pipe. The transducers are applied along the pipe, the distance between their centers must be 45 mm when the water stratum is 30 mm thick. When the ultrasonic waves strike a flaw in the pipe wall, the reflected waves either do not reach the transducer or the wave amplitude is lower. The authors also made experiments with hot-rolled steel, from 4 to 13 mm thick, and for every thickness they determined the distance between the transducers at which the wave amplitude was the highest. This ratio was used to draw up a standard probing scale. The use of a stratum of water (liquid) or of a paste with an acoustic resistance near that of steel between the transducers and the pipe is absolutely necessary if the flaw detection should be reliable. Through this measure, the transducers are also less exposed to wear. In order to establish this stratum the authors adapted a lathe which was equipped with a special trough supplied with water from the main. This method has been tested at the Tsentral'nyy remontno-mechanicheskiy zavod Upravleniya neftedobyvayushchey i gazovoy promyshlennosti Checheno-Ingushskogo ekonomicheskogo administrativnogo rayona (Central Works for Repair and Mechanics of the Administration of Petroleum Hauling

Card 2/3

Defectoscopy of tubes...

22285
S/152/61/000/004/008/009
B126/B219

and Gas Industry of the Checheno-Ingushskiy Economic and Administrative rayon). There are 4 figures and 3 Soviet-bloc references.

ASSOCIATION: Groznenskiy neftyanoy institut (Groznyy Petroleum Institute)

SUBMITTED: January 6, 1961

J

Card 3/3

ROVITSKIY, K.Z., inzh.; MKRTICH'YAN, R.A., inzh.

Rate of bridge construction has increased. Avt.dor. 24 no.6~~4~~¹
Je '61. (MIRA 14:7)

(Kazakhstan—Bridge construction)

FEDOROVA, T.A.; FEDOTOV, V.P.; MIGTUMOVA, N.A. (Moskva)

Uric acid and allantoin in the urine and blood of animals exposed to ionizing radiations. *Biul. eksp. biol. i med.* 47 no.3:44-49 Mar '59.
(MIRA 12:7)

1. Predstavlena deystvitel'nyy chlenom AMN SSSR A.Ye. Braunshteynom.
(HYDANTOINS, metab.
allantoin in blood & urine, eff. of lethal doses of radiations
in animals (Rus))
(URIC ACID, metab.
blood & urine, eff. of lethal dose irradiation in animals (Rus))
(RADIATIONS, effects,
on blood & urine allantoin & uric acid in animals, lethal dose (Rus))

MRITYKOVA, N. A., DESORIN, G. A., BARANOVA, V. Z., and IVANOVA, V. I.
(USSR)

"The Controlling Effect of the Combination of Proteins with Sterols
and Nucleic Acid and of Adsorption Phenomena in the Course of some
Enzymic Processes (read by title).

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

MKRTUMOVA, N.A.; DEBORIN, G.A.

Enzymatic activity of ribonuclease adsorbed on ~~EB-4~~ sulforesin.
Dokl. AN SSSR 146 no.6:1434-1436 0 '62. (MIRA 15:10)

1. Institut biokhimii im. A.N. Bakha AN SSSR. Predstavleno
akademikom A.I. Oparinym.
(RIBONUCLEASE) (ION EXCHANGE RESINS)

SEREBROVSKAYA, K.B.; VASIL'YEVA, N.V.; MKRTUMOVA, N.A.

Study of the ribonuclease activity in a lipoprotein coarservate.
Biokhimiia 29 no.5:910-913 J1-Ag '64. (MIRA 18:11)

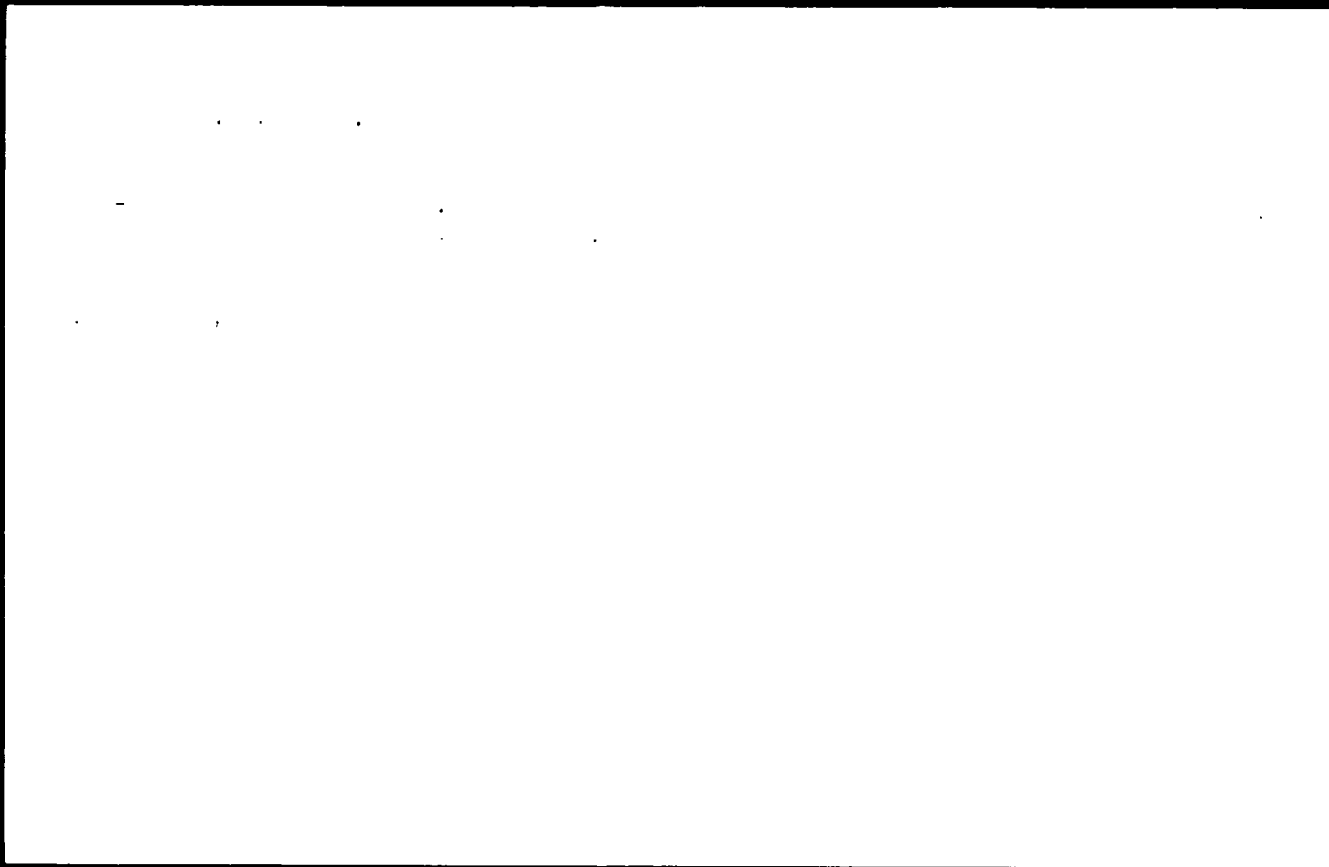
1. Institut biokhimiia imeni Bakha AN SSSR, Moskva.

VRADIY, V. N., Eng. ; MKRTUMYAN, A. K., Eng.

Magnitogorsk-Building

Construction of large-panelled houses at Magnitogorsk. *Biul. stroi, tekhn.* 9 no. 17, 1962.

Monthly List of Russian Accessions, Library of Congress, December 1962. Unclassified.



MKRTUMIAN, A.K., inshener.

Large-panel slabs for floors. Stroi.prom. 32 no.4:25-27 Ap '54.
(MLRA 7:5)

1. Magnitostroy. (Floors, Concrete)

MEKHTUMYAN, A.K., kandidat tekhnicheskikh nauk

**Building apartment houses using large panel construction in
Magnitogorsk. Mekh.trud.rab.9 no.9:31-34 S '55. (MIRA 8:12)
(Magnitogorsk--Apartment houses) (Concrete construction)**

GAVRISHCHUK, G.; MKRTUMYAN, A., kandidat tekhnicheskikh nauk.

Experience in large-panel construction on a state farm. Sel'.stroitel'stvo
10 no.2:13-14 F '55. (MIRA 8:4)

1. Nachal'nik stroitel'nogo uchastka treeta "Magnitostroy" (for Gavri-
shchuk). 2. Nachal'nik uchastka krupnopanel'nogo stroitel'stva treeta
"Magnitostroy" (for Mkrtumyan).
(Buildings, Prefabricated)

MKRTUMYAN, A.K., kandidat tekhnicheskikh nauk; KRIVOROTOV, A.S., starshiy inzhener.

Factory for large-paneled apartment house building. Stroi. prom.
34 no.8:14-19 Ag '56. (MLRA 9:10)

(Magnitogorsk--Precast concrete) (Apartment houses)

MKRTUMYAN, A., kand.tekhn.nauk; KONTRIDZE, M., inzh.; URUMYAN, E., inzh.; PARSHINA K. inzh.

Electrothermal stressing of reinforcements for prestressed elements
outside the forms. Na stroi. Mosk. 1 no.12:22-23 D '58.

(MIRA 11:12)

(Prestressed concrete)

MKRTUMYAN, A., kand. tekhn. nauk; GAUSIRSKIY, N., inzh.

Casting large-panel products in molds. Zhil. stroi. no.1:6-8
'59. (MIRA 12:10)

1.Glavnyy inzhener zavoda No.12 Glavmosstroyaterialov (for Mkrtumyan).
(Concrete slabs)

MERTUNYAN, A.K., kand.tekhn.nauk; BERENSON, S.S., inzh.

Use and modernization of molds for making large panels for apartment houses. Stroi. i dor. mashinostr. 5 no.12:19-23 D '60.

(MIRA 13:11)

(Precast concrete construction)

(Concrete slabs)

MEKRTUMYAN, A.K., kand.tekhn.nauk; BOYKO, V.Ye., inzh.

Vibration packing of concrete mixes in vertical molds. Mekh.stroi.
17 no.5:16 My '60. (MIRA 13:7)
(Vibrators) (Concrete)

MKRTUMYAN, Armen Karapetovich, kand. tekhn. nauk, laureat Leninskoy
premi; GLEZAROVA, I.L., red. izd-va; MOCHALINA, Z.S., tekhn.
red.

[Technology of manufacturing elements of large-panel houses in
molds] Tekhnologiya izgotovleniya detalei krupnpanel'nykh
domov v kasetakh. Moskva, Gos.izd-vo lit-ry po stroit.,
arkhit. i stroit. materialam, 1961. 145 p. (MIRA 15:3)
(Buildings, Prefabricated)

FOI'SHAFOV, V.M.; VINOGRADOV, A.M.; LORGEHOV, A.N.; FADAEV, I.V.; MERTOPYAN,
A.A.; ROMANOV, A.A.; SEMENOVSKIY, V.D.

Floors made of large rolled gypsum cement concrete base. (SFSU)
mat. 7 no.9:26-28 S '61. (MIRA 1961)
(Floors, Concrete)

MOROZOV, N.V., kand. tekhn. nauk; ~~MARTUMYAN, A.K.~~ kand. tekhn. nauk; ANTIPOV, T. I. kand. tekhn. nauk; KOCHESHKOV, V.G., inzh.; LISAGOR, I.A., inzh.; TSAPLEV, N.N., inzh.; IVASHKOVA, V.K., kand. tekhn. nauk; SHIKUNOV, I.Ya., inzh.; FILIN, Yu.D., inzh.; MOSTAKOV, V.I., BURLACHENKO, P.Ye., kand. khim. nauk [deceased]; PANKRATOV, V.F., inzh.; RUBANENKO, B.R., glav. red.; ROZANOV, N.P., zam. glav. red.; CNUPRIYEV, I.A., red.; YULIN, Ye.Ya., red.; NASONOV, V.N., red.; ISIDOROV, V.V., red.; MAKARICHEV, V.V., red.; POLUBNEVA, V.I., red.

[Ways of improving design details for the seams of exterior wall slabs] Puti uluchsheniya konstruktivnykh reshenii stykov panelei naruzhnykh sten. Moskva, TSentr. biuro tekhn. informatsii i nauchno-issl. in-ta organizatsii, mekhanizatsii i tekhn. pomoshchi stroit., 1962. 78 p. (MIRA 16:8)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut industrial'nykh zhilykh i massovykh kul'turno-bytovykh zdaniy (for TSaplev).
2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR, Perovo (for Mostakov).
3. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov Akademii stroitel'stva i arkhitektury SSSR (for Pankratov).

(Walls)

MKRTUMYAN, A.K., kand.tekhn.nauk; URUMYAN, E.S., inzh.

Manufacture of prestressed roofing slabs in molds. Bet.i zhel.-
bet. 8 no.4:155-157 Ap '62. (MIRA 15:5)
(Roofing, Concrete)

DROZDOV, Pavel Filaretovich, dots., kand. tekhn. nauk; SHESTOV, B.S.,
nauchn. red.; SERGEYEV, L.D., nachn. sotr., retsenzent;
MKRTUMYAN, A.K., nachn. sotr., retsenzent; BOLOTINA, A.V.,
red. izd-va; KASIMOV, D.Ya., tekhn. red.

[Large-panel apartment houses from precast reinforced
concrete] Krupnoelementnye zhilye zdaniia iz sbornogo
zhelezobetona; konstruktsii i raschet. Moskva, Gosstroii-
izdat, 1963. 177 p. (MIRA 16:7)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektno-
eksperimental'nyy institut industrial'nykh zhilykh i mas-
sovykh kul'turno-bytovykh zdaniy Akademii stroitel'stva i
arkhitektury SSSR (for Sergeyev, Mkrtumyan).
(Apartment houses)

MKRTUMYAN, Dzh.

Organization of a rhythmic work of conveyers in the knit goods industry of Armenia. Prom.Arm. 5 no.3:52-54 Mr '62. (MIRA 15:4)

1. Normativno-issledovatel'skaya laboratoriya Upravleniya legkoy promyshlennosti Sovnarkhoza Armyanskoy SSR.
(Armenia--Knit goods industry) (Assembly-line methods)

MKRTUMYAN, D.

Simplified method of calculating the average percentage of the fulfillment of production norms. *Izvestiya Arm. S. S. R.* no.9:47-48 1979. (MIRA 15:9)

1. Normativno-issledovatel'skaya laboratoriya Sovetskogo narodnogo khozyaystva Armianskoy SSR.
(Armenia—Production standards)

MERTUMYAN, E.A.

Review of A.M. Mardzhanian's book "Automobile engines", Armgiz,
Erevan 1953 (in Armenian). Izv. AN Arm. SSR. Ser. FMET nauk 7 no.6:
117-125 N.D '54. (MLRA 8:7)
(Automobiles--Engines) (Mardzhanian, A.M.)

BABAYAN, A.S.; MKRTUMYAN, K.L.

Diapause and conditions for the reactivation of the mallow moth.
Vop. ekol. 7:7-8 '62. (MIRA 16:5)

1. Parakarskaya eksperimental'naya baza Armyanskogo nauchno-
issledovatel'skogo instituta zemledeliya, Yerevan.
(Diapause) (Moths)

ACCESSION NR: AP4022477

S/0220/64/033/001/0073/0078

AUTHOR: Mkrtumyan, N. M.; Alikhanyan, S. I.

TITLE: Biological effect of ultraviolet radiation on actinophages

SOURCE: Mikrobiologiya, v. 33, no. 1, 1964, 73-78

TOPIC TAGS: ultraviolet radiation, ultraviolet radiation biological effect, actinophage, actinophage mutagenesis, Act. Streptomycini Kras. B-6 culture, actinophage negative colony, actinophage radiosensitivity, irradiated host cell

ABSTRACT: Lack of literature data on induced mutagenesis in actinophages prompted the present study of actinophage type I which is active against Act. Streptomycini Kras. B-6 cultures. The effects of ultraviolet radiation on actinophages were studied after two experiments were staged to determine: 1) actinophage type I growth, and 2) morphology of negative colonies formed by extracellular actinophages and infected sprouts in B-6 cultures. Actinophage type I was found to sprout in Act. Streptomycini B-6 population approximately 75 min after infection and to continue growing for 45 min. When actinophages and 12 hr sprouts of actinomycete treated with embichine

Card 1/3

ACCESSION NR: AP4022477

were sown, large homogeneous negative colonies formed in all the B-6 cultures, but such colonies were found in only 44% of the control group cultures. In a series of experiments with ultraviolet radiation the following were determined: sensitivity of free and intracellular actinophages to ultraviolet radiation, inhibiting effect on reproduction, and effect of irradiated host cells on actinophage sensitivity to ultraviolet radiation. The intracellular actinophage was found to be 40 times more resistant to ultraviolet radiation than the free actinophage and 10 times more resistant than the noninfected sprout. An ultraviolet irradiated actinophage starts to sprout 30 min later than in the control group. Survivability of nonirradiated actinophages does not change when sown on irradiated host cells. However, irradiated actinophages sown on irradiated host cells produce 4.7 times fewer negative colonies than when sown on nonirradiated host cells. Consequently, irradiated actinophages should be sown on nonirradiated host cells to increase their survivability. The authors hypothesize that the genetic material of the actinophage and the host cell are homologous and that damaged actinophage genetic material is possibly replaced by the host cell. Orig. art. has: 6 tables and 3 figures.

Card 2/3

ACCESSION NR: AP4022477

ASSOCIATION: Institut atomnoy energii im. I. V. Kurchatova (Atomic Energy Institute)

SUBMITTED: 21Apr63

DATE ACQ: 09Apr64

ENCL: 00

SUB CODE: 1S

NR REF SOV: 004

OTHER: 008

Card 3/3

MEKUMYAN, N.M.; LAMCHUKOVA, N.I.; ...

Production and action of ...
Acting as a receptor ...
My-Je 165

1. Institute at ...

ALIKHANYAN, S.I.; MERTUMYAN, N.M.

Production of spectrum induced mutations in actinophages
without preliminary intracellular replication in the phage
resistant strain. Mikrobiologiya 34 no.1:101-109 Ja-F '65.
(MIRA 18:7)

1. Institut atomnoy energii imeni I.V. Kurchatova.

MKRTUMYAN, V. S.: Master Tech Sci (Mss) -- "Investigation of the operation of valve springs and the development of a rational method of repairing them". Moscow, 1950. 11 pp (Joint Scientific Council All-Union Sci Res Inst of the Mechanization of Agric VIM and All-Union Sci Res Inst of the Electrification of Agric VIESKh) (KL, Nov, 1950, 170)

ACC NR: AP7005630 (114) SOURCE CODE: UR/0413/67/000/002/0087/0087

INVENTOR: Paushkin, Ya. M.; Omarov, O. Yu.; Mkrtychan, V. R.; Lunin, A. F.;
Liakumovich, A. G.; Michurov, Yu. I.; Golubovskaya, L. P.

ORG: none

TITLE: Method of preparing polyoxyphenylenes. Class 39, No. 190566

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 87

TOPIC TAGS: phenol, diatomic phenol, polyoxyphenylene, inert gas

ABSTRACT: This Author Certificate introduces a method of obtaining polyoxyphenylenes. To simplify the process of synthesis, the diatomic phenol is heated at 200—300 C in the presence of zinc chloride in an inert-gas atmosphere. [Translation of abstract] [NT]

SUB CODE: 11/SUBM DATE: 21Jul65/

Card 1/1

UDC: 678.644'14

MKRTYCHAN, Ya.S.; POZHARNOV, G.M.

Design of a cylindrical bush with welded collar for drilling
pumps. Mash. i neft. obor. no.4:5-8 '63. (MIRA 17:8)

1. Zavod "Krasnyy molot", g. Groznyy.

SHLYKOV, V.I.; MKRTYCHAN, Ya.S.; POZHARNOV, G.M.

Efficient design of the lightened cylinder bush of a drill
pump. Neftekhim. 41 no. 1:66-68 Ja '63. (MIRA 17:7)

MKRTYCHAN, Ya.S.; SERDIY, A.G.

Diaphragm drill pump with hydraulic drive of the diaphragm.
Mash. i nef. obr. no.5:12-17 '64. (MIRA 17:6)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut
neftekhimicheskoy i gazovoy promyshlennosti im. Gubkina.

of the New, ...

... in ...

MEKRYCHEV, A.

Striving for the title of "brigade of communist labor." Kozh.-
obuv.prom. 2 no.7:35 J1 '60. (MIRA 13'8)

1. Starshiy master tsakha No.4 Bakinskoy obuvnoy fabriki No.2.
(Azerbaijan--Efficiency, Industrial)

MKRTYCHEV, A.A.

Determining economic efficiency of the introduction of
new devices and automatic control systems. Priborostroenie
no.5:19-21 My 1963. (MIRA 16:8)

MRTYCHEV, E.

Example of good neighborliness. Vnesh. torq. 42 no. 3:7-19
'62. (MIRA 15:1.)
(Russia--Foreign economic relations--Afghanistan)
(Afghanistan--Foreign economic relations--Russia)

MKRTYCHEV, E.A.

Two potato crops in the Karabakh Zone. Trudy Inst. gen. i sel.
AN Azerb. SSR 1:138-142 '59. (MIRA 13:3)
(Karabakh Steppe--Potatoes)

Mkrtychov, B

COUNTRY : [illegible]
CATEGORY :

REF. JOURN. : [illegible] No. [illegible]

INSTR. : [illegible]
TITLE : [illegible]

ORIG. PUB. : [illegible]

NUMBER OF : [illegible]

DATE: 1/1

MRITYCHEV, I., arkhitekt

Prefabricated dismantlable house for construction workers. Na
stroil. Ros. no. 2:36 0: 141. (MIRA 1947)

(Buildings, Prefabricated)

MKRTYCHEV, M., (Engr-Maj. Docent, Candidate of Technical Sciences)

Mkrtvchev, M., (Engr-Maj. Docent, Candidate of Technical Sciences) - Author of article, "Atomic Energy: Nuclear Reaction, "one of a series by various authors appearing in source. In the article he speaks of the artificial transmutation of chemical elements, and the difficulties encountered in such transmutation. He explains the fission of U-235 and the chain reaction, and states that for the peaceful use of atomic energy the chain reaction will have to be slowed down and its speed maintained constant over a long period. He also explains the principle of the uranium pile. (Krasnaya Zvezda, 4 Mar 54)

SO: SUM 175, 6 August 1954

MRITYCHEV, M., (Engr-Maj, Docent, Candidate of Technical Sciences)

Mrtychev, M., (Engr-Maj, Docent, Candidate of Technical Sciences, - Coauthor with Engr-It Col V. Mikhaylov (Docent, Candidate of Physicomathematical Sciences, of article, "Atomic Energy: In the Service of the National Economy," in which they state that while the Soviet Union is proceeding with the peaceful utilization of atomic energy, the imperialistic states see it only as a mass-destruction weapon. They explain how atomic piles can be used in the peace-time economy and how the piles are kept operating, and discuss the substances used as atomic fuels and the power contained in other substances. They discuss the advantages of atomic energy power stations over conventional ones, and the use of atomic energy in engines for submarines, planes, and rockets. (Krasnaya Zvezda, Moscow, 7 April 1954.

SO: 017 187, 12 August 1964.

AIIP - 14

Subject : USSR/Aeronautics

Card : 1/1

Author : Mkrtychev, M., Maj. Engineer, Dotsent, Kand. of
Techn. Science

Title : Thermoneuclear Reactions

Periodical : Vest. Vozd. Flota, 7, 93-96, J1 1954

Abstract : This article is an answer to a reader's request for the
explanation of thermoneuclear reactions. It explains the
fission and the fusion nuclear reaction, the latter in
relation to hydrogen, deuteron, tritium and helium.

Institution : None

Submitted : No date

Name : MKRITYCHEV, M. G.

Remarks : The bibliography of the monograph, "The Use of Atomic Engines in Aviation" by Nesterenko, Sobolev and Sushkov, lists Mkrttychev as a coauthor, with V. A. Mikhaylov, of "Atomnaya Energiya i Perspektivy yeye Ispol'zovaniya" ("Atomic Energy and the Prospects for its Utilization"), Moskva, 1955.

Source : M: Primeneniye Atomnykh Dvigatelyey v Aviatsii (The Use of Atomic Engines in Aviation), by G. N. Nesterenko, A. I. Sobolev and Yu. N. Sushkov, Moskva, 1957, p. 167

MIKHAYLOV, Viktor Aleksandrovich, kandidat fiziko-matematicheskikh nauk;
MKR'YCHEV, Mikhail Grigor'yevich, kandidat tekhnicheskikh nauk;
KIPNIS, S.Ye., redaktor; ISLENT'YEVA, P.G., tekhnicheskiiy redaktor.

[Atomic energy and its prospective use] Atomnaya energiya i perspekti-
vy ee ispol'zovaniia. Moskva, Izd-vo "Znaniia," 1955. 29 p. (Vse-
soiuznoe obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh
znaniia, Ser. 4, no.4.) (MIRA 8:4)
(Atomic power)

MKRTYCHEV, M.G.

MIKHAYLOV, V.A., kandidat fiziko-matematicheskikh nauk; MKRTYCHEV, M.G.
kandidat tekhnicheskikh nauk.

Peaceful use of atomic energy. Nauka i zhizn' 22 no.1:7-10 Ja'55.
(Atomic power) (MLBA 8:2)

МКРТЫЧЕВА, Л.

"Hypocapnic and Anoxaemic Effect Accompanying Variation of Threshold
Values of Color Purity," Dok. AN. 44, No 1. 1944

Mbr., Dept. Phys.; S.M. Kirev, Acad. War Medicine of Red Army

MRITYCHEVA, L.

"The Development in Time of Threshold Color Perception," ^{D-11 HN 10 10} ~~ibid.~~, 68, No 3,
1949
Mbr., Physiological Inst. Imm. I. P. Pavlov, Acad, Sci.

PA 163T31

MKRTYCHEVA, L. I.

USSR/Medicine - Nervous System

Jun 50

"Some Data on the Role of the Sympathetic Nervous System in the Production of Visual Purple," L. Mkrttycheva, Lab of Biophys, Physiol Inst iment I. P. Pavlov, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXII, No 5, pp 985-987

Describes experiments in which two sets of frogs were used. Frogs of first set had sympathetic nerve to right eye severed; those of the second were normal, used as controls. All were decapitated, and solutions of visual purple made for different categories. Then concentration of

163T31

USSR/Medicine - Nervous System
(Contd)

Jun 50

visual purple in different solutions was measured and results charted. General conclusion reached: Sympathetic nervous system acts to limit production of visual purple. Submitted 15 Apr 50 by Acad L. A. Orbeli.

163T31

A

1

Formation of visual purple in frogs under oxygen deficiency. I. I. Mkrtychyan, I. P. Pavlov, Physiol. Inst. Acad. Sci. U.S.S.R., *Doklady Akad. Nauk S.S.S.R.* 73: 221-4, 1970. Oxygen starvation induced by simulated 2000 m elevation leads to changes in the photometric characteristics of the visual purple. Blue violet and yellow-orange regions are unchanged and the permeability to green is increased (400-500 m μ). Apparently O₂ deficiency causes diminution of deposition of normal visual purple in the retina. G. M. Kosolapoff.

MERYCHEVA, L.I.

Analysis of various properties of a conditioned light stimulus in the elaboration of fine differentiations of monochromatic radiation in man. Trudy Inst.vys.nerv.deiat. Ser.fiziol. 1:207-218 '55.

(MLRA 9:8)

1. Iz laboratorii fiziologii retseptornykh funktsiy, zaveduyushchiy V.G.Samsonova.

(CONDITIONED RESPONSE) (COLOR SENSE)

MERTYCHEVA, L.I.

Some mechanisms in the cortical activity in man during analysis of simple stimuli. Trudy Inst.vys.nerv.deiat. Ser.fiziol. 2:27-35 '56. (MLBA 10:1)

1. Iz laboratorii fiziologii retseptornykh funktsiy, zav. - V.G. Samsonova.

(CONDITIONED RESPONSE)

(CEREBRAL CORTEX)

MKRTYCHEVA, L. I.

Significance of temporary characteristics of background photic stimulation in the formation of motor conditioned reactions to sound stimuli in adults [with summary in English]. Zhur.vys.nerv.deiat. 8 no.3:329-337 My-Je '58 (MIRA 11:8)

1. Institut vysshey nervvoy deyatelnosti AN SSSR.

(REFLEX, CONDITIONED

eff. of temporary background photic stimulation on motor conditioned reactions to sound stimuli in adults (Rus))

MERTYCHINA, L. I.

Role of the cerebral hemispheres in the regeneration of visual purple.
Probl.fiziol. opt. 12:120-123 '58 (MIRA 11:6)

1. Institut vysshey nervnoy deyatel'nosti AN SSSR.
(VISUAL PURPLE)
(BRAIN)

3/020/62/143/004/026/027
B144/B138

27.4000

AUTHOR: Mkrtycheva, L. I.

TITLE: Electric response of single neurons of the optic lobes to color stimulation in frogs

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 4, 1962, 994 - 996

TEXT: Frogs paralysed with 1% tubocurarine solution were subjected to color stimuli of equal energy which were produced by passing the white light of a Sylvania gas discharge tube through interference filters with maxima at 438, 464, 512, 561, 587, and 610 m μ . Stimuli of 2 msec or more were repeated every 5 sec. The extracellular potential was recorded by a cathode-ray oscillograph. Four types of neurons were distinguished showing different electric activities. They are consistent with the classification of R. Jung, O. Greutzfeldt, and O. Grüsser (Deutsch. medizinische Wochenschrift, no. 26, 28, 1050 (1957)). It was mainly S-neurons showing "on" or "on-off" discharges dependent on the length of the light stimulus which were studied. Selective sensitivity to light of different spectral ranges was discovered, and determined on the basis of

Card 1/3

X

Electric response of single...

S/O2C/62.143 004.026/027
B144/B138

the number of response impulses. This increased up to 8 for $\lambda = 512 \text{ m}\mu$, and dropped to 1 for $\lambda = 610 \text{ m}\mu$. With increasing wavelength of the light stimulus the number of impulses increases in the "on" response and increases in the "off" response of the neuron. All these findings are consistent with previous results (see below). It is probable that the response of the neuron in the tectum is determined not only by the physiological properties of the afferent elements and their information, but also by the functional properties of the neuron itself and by the influence of other tectum elements. There are 4 figures. The most important English-language references are: H. G. Wagner, E. F. McNichol Jr., M. L. Wolbarcht, *J. Gen. Physiol.*, 43, no. 6, 45 (1960); Y. Galifret (Ed.), *Mechanism of Colour Discrimination*, Proc. of Intern. Sympos., on the Fundam. Mechanisms of the Chromatic. Discrimination in Animals and Man, London, 1960.

ASSOCIATION: Institut vysshey nervnoy deyatel'nosti i neyrofiziologii Akademii nauk SSSR (Institute of Higher Nervous Activity and Neurophysiology of the Academy of Sciences USSR) X
December 12, 1961, by V. N. Chernigovskiy, Academician

PRESENTED:
Card 2/3

Electric response of single...

S/020/62/143/004/026/027
B144/B138

SUBMITTED: December 8, 1961

Card 3/3

X

MKRTY NERV., 1.1.

Significance of the factor for the transfer of information from the nerve units in the visual system of the frog. Zhur. vys. nerv. delat. 15 no. 3: 13-17, 1972.

1. Institut vyssheyey nervnyy delat. Akad. Nauk SSSR, Moskva.

MKRTY NERV., 1.1.

Elements of the functional organization of the visual system in frogs. Zhur. vys. nerv. delat. 15 no. 3: 13-17, 1972.

1. Institute of Higher Nervous Activity and Neurophysiology, Academy of Sciences of the U.S.S.R., Moscow.

MKRTYCHEVA, L. I., SAMBUNOVA, T. G.

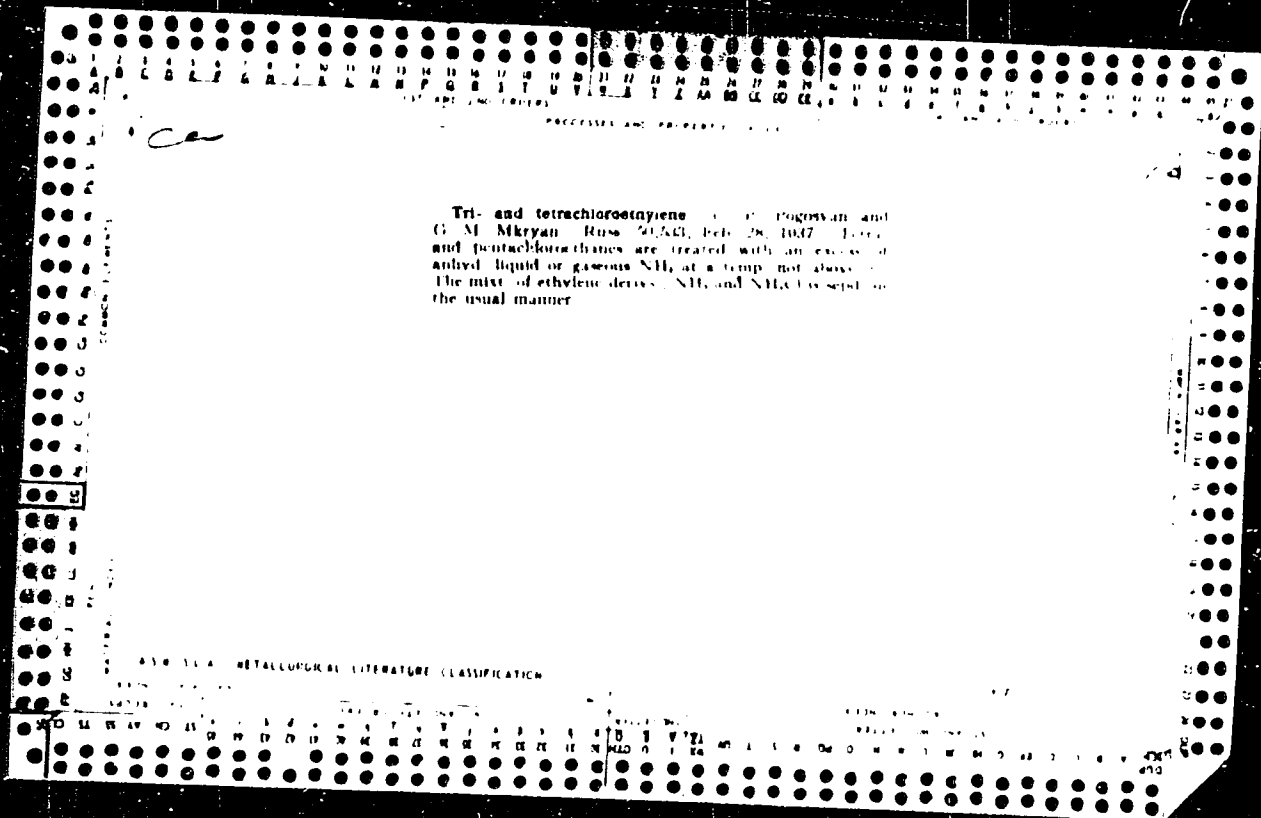
Response of individual neurons of the hippocampus to the variation in length of the action potential

191 no. 5:1242-1245 Apr 1965

1. Submitted September 19, 1964

MKRTYCHEVA, L. I., SAMBUNOVA, T. G.

Response of individual neurons of the hippocampus to the variation in length of the action potential



111 AND 112 (1978)

PROCESSING AND PROPERTIES MARK

100 AND 101 (1978)

10

Derivat. of hexachloro-3-hexene A. S. Akopyan, G. M. Akopyan, N. A. Babiyun, and O. B. Garibaldyan (Chem. Inst. Armenian Acad. Sci. S.S.R.). *Bull. Armenian Branch Acad. Sci. U.S.S.R.* 1962, No. 12 (15/16), 91 (in Russian with English summary).—Hexachloro-3-hexene (12 g.) in 20 cc. 90% EtOH was treated with stirring with 1 g. Zn dust added in small portions, with cooling to 30°, in the course of 2-3 hrs. The soln was diluted with H₂O and filtered and the org. layer dried to yield 3,4-dichloro-1,3,5-hexatriene, *b_p* 53.3-53.4°, *f.* -11° to -12° (51°). On standing for 1 hr at room temp. the product polymerizes to a rubber, which is sol. in CHCl₃ and CCl₄. On aging the polymer loses its flexibility and soly. Chlorination yields the original substance, while bromination in CCl₄ yields 1,2,5,6-tetra-

bromo-3,4-dichloro-3-hexene, *m.* 93-6° (from CCl₄) ✓
G. M. Kowdapoff

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

6-27-78

SEARCHED INDEXED SERIALIZED FILED

APR 1978

LIBRARY OF CONGRESS

PHOTODUPLICATION SERVICE

955 LOCUST STREET

WASHINGTON, D.C. 20540

Microfilm frame containing a document page. The document is titled "MKRYAN, G. N." and "Oxidation of 2,4-dichloro-2-butene".

MKRYAN, G. N.

CO.

Oxidation of 2,4-dichloro-2-butene I. Preparation of oxalic acid by oxidation of 2,4-dichloro-2-butene by aqueous solutions of nitric acid and of calcium nitrate. V. I. Isagulyants and G. M. Mkryan. (Chem. Inst. Acad. Sci. Armenian S.S.R.). *Bull. Armenian Branch. Ser. U.S.S.R.* 1964, No. 5, 6, 17-21 (in Russian with English summary). — 2,4-Dichloro-2-butene (20 g) and 500 cc. 20.2% HNO₃ were heated to 60° with stirring for 1-2 hrs. (the temp. must be kept below 70°). Evapn. of the soln. gave 2-3 g. (CO₂H)₂·2H₂O (43.3-5.5%). Oxidation with 30% Ca(NO₃)₂ soln. gave so low a yield that it is not recommended as a method of prepn.

G. M. Kozlovskii

ASB-35A METALLURGICAL LITERATURE CLASSIFICATION

SUCCESSFUL INDEX

15

ca

Cleavage of hydrogen halide from polyhalogen derivatives of hydrocarbons by liquid ammonia. II. Cleavage of hydrogen halide from mixed polyhalide-substituted ethanes. G. M. Mkryan (Chem. Inst. Armenian Acad. Sci. S.S.R.) *Bull. Armenian Branch Acad. Sci. U.S.S.R.* 1944, No. 5, 6, 45-50 (in Russian with English summary), cf. *C.A.B.* 37, 5694. — 1,2-Dichloro-1,2-dibromoethane, bp 187°, n_D^{20} 1.5009, d_4^{20} 2.3115, prep'd by bromination of $(CH_2Cl)_2$ (25 g.) was cooled to -40° and treated with an excess of liquid NH_3 , the mixt. was allowed to warm to -30° (under 300-400 mm. pressure) in the course of 1.5-2 hrs., after which the NH_3 was evaporated spontaneously. The org. layer was dist'd. to yield 15.44 g. pure 1,2-dichloro-1-bromoethane, bp 109-110°, n_D^{20} 1.5195, d_4^{20} 1.8881 (95.5%). Bromination of this in daylight at room temp. gave 1,2-dichloro-1,1,2-tribromoethane, bp 101°, n_D^{20} 1.6450, d_4^{20} 2.6233. 1,1,2-Trichloro-1,2-dibromoethane (25 g.) treated with liquid NH_3 as above yielded 15.51 g. trichlorobromoethane, bp 141-2.5°, n_D^{20} 1.5434, d_4^{20} 2.0104 (86.4%). 1,2-Dichloro-1,1,2-tribromoethane (30 g.) animated as above in the presence of 20 cc. dry Et_2O yielded 23.40 g. (80.4%) 1,2-dichloro-1,2-dibromoethane, bp 165.0°, n_D^{20} 1.5762, d_4^{20} 2.4051.

G. M. Kozlovskii

METALLURGICAL LITERATURE CLASSIFICATION

MEKYAN, G.M.

Compounds of the acetylenic series from 1, 3--dichlorobuten-2.
Report 1 [with summary in English]. Izv.AN Arm.SSR.Est.nauki
no.4:79-88 '47. (MLRA 9:8)

1. Khimicheskiy institut Akademii nauk Armyanskoy SSR.
(Acetylene compounds) (Butene)

MKRYAN, G. M.

Mkryan, G. M. - Compounds of the acetylene series from 1, 3-dichlorobutene-2, Report 2. "Derivation of esters of butine-2-ol-1," Izvestiya (Akad. nauk Arm. SSR), Fiz.-matem., yestertv. i tekhn. nauki, 1948, No. 3, p. 259-67 -- Summary in Armenian -- Bibliog: p. 266

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

MEKYAN, G.M.

Cleavage of esters of acetylenic alcohols. Part 1. Cleavage of
esters of 2-butyn-1-ol with potassium hydroxide. Dokl. AN Arm. SSR
9 no.3:111-116 '48. (MLRA 9:10)

1. Khimicheskiy Insitut, Akademii nauk Armyanskoy SSR, Yerevan.
Predstavleno G.Kh. Bunyatyanom.
(Butynol)

MKRYAN, G.M.; BABYAN, V.O.; PAPAZYAN, N.A.

Compounds of the acetylenic series from 1,3-dichlorobutene-2.
Part 3. New experimental method for the preparation of methy-
lacetylene. Izv.AN Arm.SSR.Ser.FMET nauk 5 no.1:17-24 '52.
(MIRA 9:7)

1.Khimicheskiy institut Akademii nauk Armyanskoy SSR.
(Propyne)

MIRYAN, G. H.

Reaction mechanism of the production of diacetylene compounds with the aid of aqueous solutions of cuprous chloride and ammonium chloride. G. M. Miryan and N. A. Panyagin. *Doklady Akad. Nauk SSSR*, 16, No. 1, 17-26 (1953); *Referat. Zhur., Khim.* 1954, No. 12623.

The reaction proceeds only in the presence of O and can be presented as follows: $2\text{CuCl} + 2\text{HCl} + \frac{1}{2}\text{O}_2 \rightarrow 2\text{CuCl}_2 + \text{H}_2\text{O}$, $2\text{RC}\equiv\text{CH} + 2\text{CuCl} \rightarrow 2\text{RC}\equiv\text{C}\cdot\text{CuCl}$, $2\text{RC}\equiv\text{C}\cdot\text{CuCl} \rightarrow 2\text{RC}\equiv\text{CCu} + 2\text{HCl}$, $2\text{RC}\equiv\text{CCu} + 2\text{CuCl}_2 \rightarrow \text{RC}\equiv\text{CC}\equiv\text{CR} + 4\text{CuCl}$, $2\text{RC}\equiv\text{CH} + \frac{1}{2}\text{O}_2 \rightarrow \text{RC}\equiv\text{CC}\equiv\text{CR} + \text{H}_2\text{O}$. In simultaneous action of O and monosubstituted acetylene deriv., the catalyst remains without change and all that is used up according to the last equation is O and the acetylene deriv. This differs from the scheme proposed by Zal'kind and Fundyler (C.A. 30, 2932⁴). The proposed mechanism of the reaction is confirmed by reaction of the acetylene deriv. with previously oxidized catalyst but in the absence of free O. Thus was obtained a yield of 90% of dimethyldiacetylene. M. Hosen

MIRYAN, G.M.

USSR •

Hydration of dimethylacetylene. G. M. Miryan and N. A. Paparyan. *Doklady Akad. Nauk Armyan. S.S.R.* 16, No. 4, 105-7 (1953); *Referat. Zhur. Khim.* 1954, No. 21575. — The hydration of (MeC:CH) (I) was studied for the purpose of its utilization in obtaining AcCH₂COEt (II). The hydration of I was carried out under conditions previously worked out (Nazarov and Zaretskaya, *C.A.* 37, 6243) for hydrocarbons of the divinylacetylene series. To a mixt. of 2 g. HgSO₄, 2 g. concd. H₂SO₄, and 10 ml. of H₂O was added a soln. of 20 g. of I in 90 g. MeOH. The mixt. was stirred for 15 hrs. at 60-65°, 1 g. HgSO₄ was added, and the stirring continued at the same temp. for 10 hrs. The mixt. was filtered and the filtrate added to a warm aq. soln. of 35 g. of (AcO)₂Cu in 300 ml. H₂O. The following day the ppt. was filtered off by suction, washed with approx. 100 ml. MeOH, and decompd. under ether with 20% H₂SO₄. The aq. layer was extd. twice with ether to yield 15.4 g. II, b.p. 161-2°, n_D²⁰ 1.4603, and n_D²⁵ 1.4585, red color with FeCl₃. The filtrate, after being freed of the Cu salt, yielded 3 g. of a polymeric product. The action of AcONa in 2-3 ml. H₂O on 1 g. II gave the amide of 3-methyl-5-ethylpyrazole-1-carboxylic acid (III), m. 70-82°. The wide range of the melting temp. is explained by the presence of the 3-ethyl-5-methyl isomer. M. Hosen

BABAYAN, A.T.; MKRYAN, G.M.; VARTANYAN, N.G.

Isomerization of 1-dialkyl aminobutenes-2. Dokl. AN Arm. SSR 19 no.3:
83-84 '54. (MLBA 8:7)

1. Predstavleno A.L. Mndzhoyanom. (Butene)

MIRYAN, ~~THE~~ G.M.

Preparation of 2,5-diphenylfuran and (phenylacetyl)acetophenone by the hydration of diphenyldiacetylene. (C)

M. Miryan and N. A. Egarzhan. Doklady Akad. Nauk SSSR. 21, No. 9, 107-109 (1955) (in Russian).

A soln. prepd. by warming 50 g. CuCl, 100 g. NH₄Cl, and 250 ml. H₂O treated with O for oxidation of part of the cuprous form (1 mole O/4 moles of the desired hydrocarbon is the desired amt. of O, equiv. to 1.9-2.0 g. increase in wt.), 25 g. PhC≡CH was added, the mixt. stirred on a water bath 1 hr., treated with 200 ml. C₆H₆, stirring and heating continued until the yellow material disappeared (18 hrs.), and the org. layer and a C₆H₆ ext. of the aq. layer washed with dil. HCl and evapd. gave 82.8% pure (C₆H₅)₂(I), m. 87° (from MeOH). The catalyst can be reused without further

oxidation. I (10 g.) added to 1 g. HgSO₄, 1 g. concd. H₂SO₄, and 50 g. 90% MeOH and stirred 20 hrs. at 60-5° gave a voluminous yellowish ppt., which was sepd., the washings with 10 ml. MeOH were combined with the filtrate, this soln. was added to 11.7 g. (AcO)₂Cu in 100 ml. H₂O, the mixt. kept overnight, the resulting ppt. of the Cu deriv. sepd., washed with Et₂O, decompd. with 20% H₂SO₄ under Et₂O, and the solvent evapd., giving 3.3 g. BzCH₂COCH₂Ph, m. 54° (from EtOH); semicarbazone, m. 140-1°. The yellow substance (5.2 g.) filtered off from the above reaction mixt., crystd. from hot MeOH to remove the catalyst, yielded 3.38 g. 2,5-diphenylfuran, m. 87-8°, giving with concd. H₂SO₄ a red-brown soln. with green fluorescence. The total yield of this substance is about 55.8%, with a 28.9% total yield of the diketone after working up of the various wash liquors.

G. M. Kosolapoff

BM ~~RM~~

MKRYAN, G. M.

4

Quaternary ammonium salts. IV. Decomposition of trialkylbutylammonium salts. A. T. Babayan, G. M. MKRYAN, and I. Ya. Zafarov. *Izv. Akad. Nauk Azerb. SSR Ser. Khim. Nauk*, 1968, No. 8, 25-9 (1969) (In Russian); cf. *C.A.* 51, 4046c. The quaternary ammonium salts were obtained by the action of dimethylbutylamines on the corresponding alkyl bromide. The influence of radicals such as Me, Et, Pr, Bu, allyl, and CH₂CH₂OH on the decompn. of salts by the action of 20% NaOH soln. was investigated. It was shown that decompn. led to the vinylacetylene and corresponding tertiary amines. An increase of the length of the C-chain caused an insignificant increase of the initial temp. of ammonium salt decompn. Di(2-hydroxyethyl)(3-chloro-2-butenyl)amine was prepd. from 31.5 g. diethanolamine, 1.3 dichloro-2-butene, and 42 g. 50% KOH soln., which were heated 3 hrs. on a water bath, filtered, the water distd., the residue dried, and twice vacuum distd. at 6 mm. to yield 26.4% product, b. 163-5°, dn. 1.216, n_D 1.4990, M_R 60.54, M. C.

Chem. Inst., AS Azer SSR

M. K. E. VAN G. M.

Quaternary ammonium compounds. VI. Cleavage of
 N,N-dimethyl-2-butylamine hydrochloride with 2-chloro
 ethane in aqueous alkali. O. Balasany, *J. Org. Chem.*
 27, 101-106 (1962). C.A. 57, 101a. (CCH₂NMe₂)⁺ was
 prepd. in 87% yield as previously reported (V. O. Balasany,
 C.A. 50, 160d) but using MeOH instead of EtOH and heat
 ing 2 hrs. This treated with RBr in Et₂O gave (i) CCH₂N,
 Me₂R₂Br (R shown): Ms. 93%, decomp. 218-19° (hy-
 droxide, decomp. 238°); Pr. 83%, decomp. 213-15° (hy-
 droxide, decomp. 210°); Pr. 90%, m. 108-0° (hydroxide,
 decomp. 190°); B). 82%, m. 80°. Iso-Am, 95%, noncryst.
 The dibromides (0.075 mole) in 30 ml. H₂O were heated in a
 steam bath with 0.6 mole NaOH in 20 ml. H₂O; the
 evolved amine being collected in standard acid soln. and the
 HC₁ being collected in a chilled trap. The yield of HC₁
 in the interval of 47-61.6% and that of Me₂NR
 in the interval of 79-83% from the above dibromides. The
 yields were slightly higher when the ammonium hydroxides
 were used in the decompn. The cleavage occurred even at
 room temp. rather slowly. The procedure recommended as
 a laboratory source of (HC₁)₂ was: in 40 g. iso-AmMe₂N in
 35 ml. H₂O added BrCH₂CCl₂ CHCl₃ followed by 48 g.
 NaOH in 54 ml. H₂O and the mix. heated on a steam bath
 gave 69% (HC₁)₂ in a chilled receiver while steam distn.
 gave 78% iso-AmMe₂N. G. M. E. Tolpelt.

6
FEHj

John R. M. ...

AUTHORS:

Бачуван А. ~~Мерзванов~~ М.,
Гулин В. К. Казань, 1983

TITLE:

Исследования в области Аминов и
Quaternary ammonium compounds (Isledeniya v oblasti
aminov i kvaternarnykh ammoniyevykh soedineniy
X. Sintez i svoystva Tsiprolova *β* и *γ*-
Dimethylammoniyevykh soedineniy (Pob. k voprosu o sinteze *β* и *γ*-
C. K. 1983) (Izvestiya Akad. Nauk SSSR)

PERIODICAL:

Zhurnal Obshchey Khimii, 1983, vol. 53, no. 5,
pp. 1249-1251, USSR.

ABSTRACT

The present report deals with the synthesis by alkaline
hydrolysis of the quaternary ammonium salts obtained by
condensation of *β* and *γ*-dimethylammonium chloride
with tertiary amines (see scheme) for the latter was
used a methyl amine, dimethylamine, trimethylamine,
dimethylacetamide, and dimethyl sulfoxide. The
hydrolysis of the compound III, with acid, takes place
very energetically, the other reactions take place slowly and
demand heating. The alkaline hydrolysis of the obtained

Card 1/3

Investigations in the Field of Ammonium Salts of Quaternary Ammonium Compounds

X. Synthesis of isoprene of *isoprene* and *isoprene*
-Dimethylallylamine

Quaternary ammonium salts (from the reaction with the radical butene-1) lead to the formation of isoprene in a yield of 80-90% and of the corresponding tertiary amine of 80%. The alkaline cleavage of the quaternary ammonium salts obtained by conversion of the mentioned butene with dimethylamine (1) resulted in the formation of vinyla styrene and in corresponding tertiary amine (see scheme 1). These results speak in favor of a high reactivity of the radical butene-1 with respect to the earlier mentioned data on the reactivity of primary and secondary amines with radical dimethylallylamine. The quaternary ammonium salts obtained by alkaline cleavage of the quaternary ammonium salts will not react with isoprene of the *isoprene* and *isoprene* kind. It is therefore concluded that the reaction of the quaternary ammonium salts with isoprene of the *isoprene* and *isoprene* kind is not expected to be successful. The results of the experiments are summarized in the following table.

Card 2/3

Investigations in the field of Amine and

792-1847-10/69

Quaternary Ammonium Compound-

X. Synthesis of Isoprene of α , β -unsat. γ , δ -
-dimethylallylchloride

compound isomeric to it (VI) or a mixture of both (see scheme 3). The structure of the synthesized salts has not been explained hitherto. The results of the alkaline cleavage of the synthesized quaternary ammonium salts are mentioned in a table. There are 7 table and 6 references, 4 of which are Soviet

ASSOCIATION: Institut khimii Akademii nauk Armyanskoy SSR
(Institute for Chemistry, AS Armenian SSR)

SUBMITTED: May 31, 1970

Card 3/3

BABAYAN, A.T.; MKRYAN, G.M.; GRIGORYAN, A.A.;

Cleavage of quaternary ammonium salts. Trudy Inst.khim.Ak
Azerb.SSR 17:131-137 '59. (MIRA 13:4)
(Ammonium salts)

MKRYAN, G.M.; MINDZHONYAN, Sh.L.; PAPAZYAN, N.A.; MELKONYAN, S.A.

Reactions of active methylene groups of acetylenic compounds. Izv.AN
Arm.SSR.Khim.nauki 15 no.1:107-108 '62. (MIRA 15:7)

1. Yerevanskiy Filial Vsesoyuznogo nauchno-issledovatel'skogo instituta
sinteticheskogo kauchuka imeni akad.Lobedeva.
(Methylene group) (Acetylene compounds)

MKRYAN, G.M.; MNDZH'YAN, G.G.

Reactions of alkenes with unsaturated radicals. Part 2: Synthesis
of 1,4-dialkoxy-1-alkynes. Izv. AN Arm.SSR. Khim.nauk 18 (1971) 47-
49. (1971) 5.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gornykh
produktov.

MKPYAN, G.M.; FAJAZYAN, N.A.; KAZARYAN, R.A.; ARSENYAN, G.M.

1,2,3,4-tetra derivatives of dienes. Part 1: Some chloro derivatives of
butadiene. Izv. AN Arm.SSR. Khim.nauki 18 no.1:50-59 '66.
(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut polimernykh
produktov.

MKRYAN, G.M.; MNDZHOYAN, Sh.L.; GASPARYAN, S.M.

Compounds of the acetylene series. Part 4. Reaction of addition of
alcohols to vinylacetylene by the action of alcoholates. Izv. AN
Arm. SSR, Khim. nauki 17 no. 6: 643-650 1964. (MIRA 18:6)

1. Yerevanskiy filial Vsesoyuznogo nauchnoissledovatel'skogo
instituta sinteticheskogo kachelstva.

MKRYAN, G.M.; MNDZHOYAN, SH.L.

Reactions of ethers with unsaturated radicals. Part 2:
Reaction of the 1,4-cleavage of ethers with a 2-butynyl radical.
Izv.AN Arm.SSR.Khim.nauki 17 no. 3:306-313 '64. (MIRA 17:7)

1. Yerevanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta sinteticheskogo kauchuka.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134810017-5

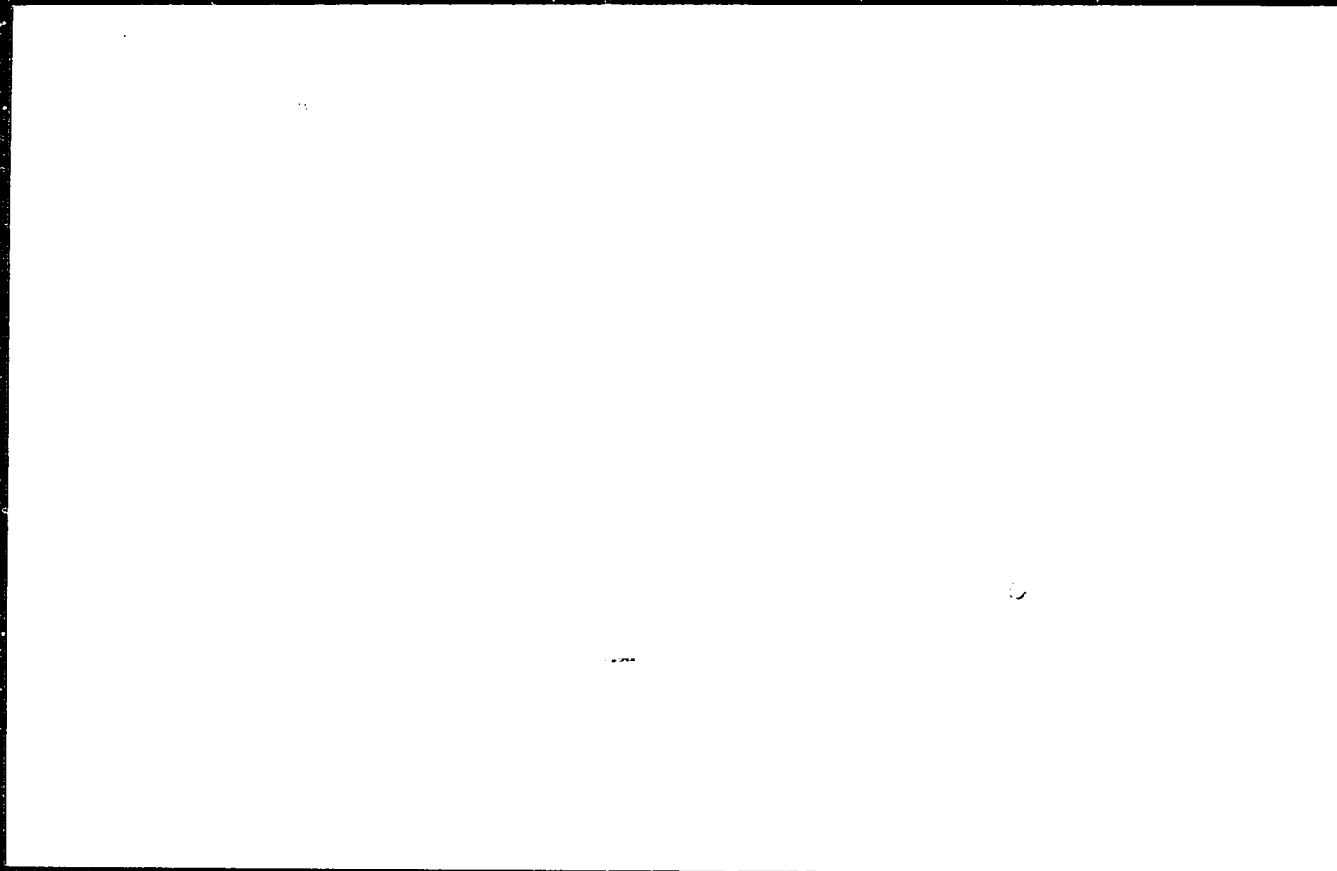


APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134810017-5"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134810017-5



APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134810017-5"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134810017-5

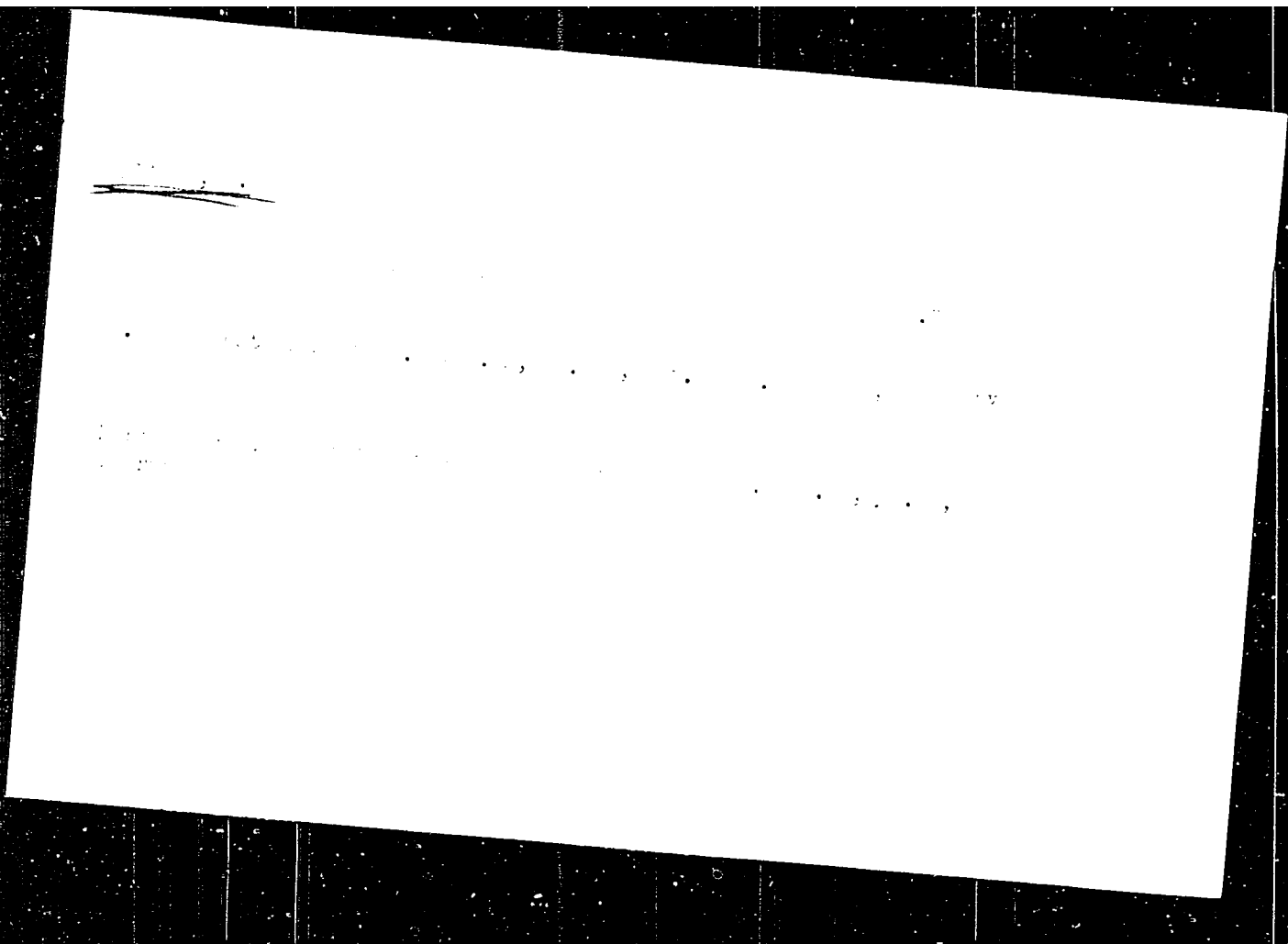
APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134810017-5

MEZAK Branko, 1924

Medical and dental school at Zagreb, Yugoslavia, 1941-1945

10 Glasworks, Zagreb, Yugoslavia



TRAIN, V.

Drainage along the lines of roads. p. 214.

(Z. H. 1957, VI. Vol. 5, No. 7, July 1957, Zagreb, Yugoslavia)

SO: Monthly List of East European Acquisitions (BEAL) Lc. Vol. 5, No. 10, October 1957, incl.

M. LADEJOVSKY J.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		
S	T	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ

USE AND 2ND ORDER

PROCESSES AND PROPERTIES INDEX

JOB PREPARATION IN FOUNDRIES. J. Mladejovsky. (Hlubnicko Listy, 1950, vol. 5, June, Supplement No. 2, pp. 69-73). In Czech. Detailed preparation for operations in the foundry are discussed. The author emphasizes the importance of standardization of materials, tools, and equipment, and the planning of the separate operations. E.G.

M-28

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

HELAND, J.

"Tower Crane Description with technical drawing of tower crane, special type for use in construction of high-rise buildings."

So: Mechanizace, Czechoslovakia, Vol 3, No 1,
Jan 1954, (C-1742, 12 Apr 1954)

MLADEJOVSKY, J.- Mechanisace, Vol.3, No.2, Feb.1954

Super Presto, a crane for building purposes. p.43.

SO: Monthly List of East European Accessions, (FEAL), LC, Vol.4, No.9, Sept.1955 Uncl.

MLADEJOVSKY, Miroslav, inz.

Reconstruction of the railroad junction Zilina-Vrutky. Zel dop techn
ll no.4:95-97 '63.