

POPELARZH, V. [Popelar, v.]; SKRZHIVANEK, I. [Skrivanek, J.]

With the "Tatra" mark. Starsh.-serzh. no.4:18 Ap '62.

(MIRA 1514)

1. Glavnyy konstruktor narodnogo predpriyatiya "Tatra" (for
Popelarzh).

(Czechoslovakia--Motortrucks)

POPELEVA, G.S.; SAVUSHKINA, V.I.; ANDRIANOV, K.A.; GOLUBTSOV, S.A.

Reactions of halo derivatives of arylchlorosilanes with
hydride chlorosilane. Zhur.ob.khim. 32 no.2:557-562 F '62.
(MIRA 15:2)

(Silane)

33921

S/079/62/032/002/006/011
D204/D3035.0700
AUTHORS:Popeleva, G.S., Savushkina, V.I., Andrianov, K.A. and
Golubtsov, S.A.

TITLE:

Interaction of the halogen derivatives of aryl chlorosilanes
with hydrogen chlorosilanes

PERIODICAL:

Zhurnal obshchey khimii, v.32, no. 2, 1962, 557-562

TEXT: High temperature condensations of methyl dichlorosilane (I) with methyl chlorophenyl dichlorosilane (II) (reaction 1), methyl phenyl chlorosilane (III) with *p*-dichlorobenzene (reaction 2) and of III with methyl chlorophenyl phenyl chlorosilane (IV) (reaction 3) were investigated. Reaction 1 was carried out with 1:1 molar ratios of the reagents at 570, 600, 620, 640 and 670°C, with contact times of 40, 50, 60 and 80 sec., in stainless steel tubes and yielded a mixture of the ortho-, meta- and para-isomers of bis (methyl dichlorosilyl) benzene (A). It was found that the yield of A, under optimum conditions (640°C, 60 sec.), was 27%, calculated with respect to I. The product then consisted of 60% of the liquid meta-isomer and 40% of the crystalline ortho- and para-isomers. Reaction 2 at

Card 1/2

33921

S/079/62/032/002/006/011

D204/D303

Interaction of the halogen ...

550°C, with a contact time of 40 sec., in silica tubes, gave IV in 34.6% yield, (calculated with respect to III), when the molar ratio of III to the p-dichlorobenzene was 2:1. Reaction 3 was carried out in silica tubes, at 650°C and with 40 sec. contact time, with reagents in 1:1 molar ratio, and gave para-bis (methyl phenyl chlorosilyl) benzene (B), in ~30% yield (calculated with respect to III). The structure of B was confirmed by a Grignard synthesis. Physical constants of the products and full experimental details are given. There are 2 figures, 4 tables and 15 references: 9 Soviet-bloc and 6 non-Soviet-bloc. The 4 most recent references to the English-language references read as follows: British Pat. 752,700 (1956); Ch.A., 51, 7402, (1957); Ch.A. 47, 3875, (1953); Ch.A. 47, 3334, (1953).

SUBMITTED: January 30, 1961

Card 2/2

BELYAKOVA, Z.V.; POMERANTSEVA, M.G.; ANDRIANOV, K.A.; GOLUBTSOV, S.A.
POPELEVA, G.S.

Preparation of γ -trifluoropropylalkenylchlorosilanes and their
reaction with chlorosilane hydrides. Izv. AN SSSR Ser. khim.
no.11:2068-2069 N '64 (MIRA 18:1)

GOLUBTSOV, S.A.; POPELEVA, G.S.; ANDRIANOV, K.A.; ZASLAVSKAYA, N.I.

Thermal condensation of trichlorosilane and methyldichlorosilane
with vinyl chloride. Plast.massy no.10:21-26 '62. (MIRA 15:11)
(Silane)
(Vinyl compounds)

5.3700.

37759

S/661/61/000/006/016/081
D205/D302

AUTHORS: Popeleva, G. S., Trofimova, I. V., Andrianov, K. A.
and Golubtsov, S. A.

TITLE: Study of vinyl chlorosilane synthesis

SOURCE: Khimiya i prakticheskoye primeneniye kremneorganiches-
kikh soyedineniy; trudy konferentsii, no. 6, Doklady,
diskussii resheniye. II Vses. Konfer. po khimii i prakt.
prim. kremneorg. soyed., Len. 1958. Leningrad. Izd-vo
AN SSSR. 1961, 90-94

TEXT: During the investigation of the reaction $3\text{CH}_2 = \text{CHCl} + \text{Si}$
 $\text{CH}_2 = \text{CHSiCl}_3$ it was found that the catalyst prepared from preci-
pitated CuO , Si powder and a liquid glass binder was the most ac-
tive. 3 methods of contacting were tried: (1) Stationary bed of
pelletized catalyst (2 - 3 mm pellets); (2) an agitated powder bed;
(3) a fluidized bed. The first method gave good results when using
anhydrous FeCl_3 as an activator. The second method allowed the low-
Card 1/3

S/661/61/000/006/016/091
D205/D302

Study of vinyl ...

ering of the temperature from 460 to 420°C. The vinyl trichlorosilane yield was 33% and the output 10 - 15 g/hour/kg of catalyst. The third method resulted in a reduction of the contact time by a factor of 12 and a corresponding considerable increase in temperature. The yield of vinyl trichlorosilane was reduced, as the side reactions were enhanced, to ~26%. In contrast to the synthesis of methyl, ethyl and phenyl chlorosilanes where the best results are obtained in the fluidized bed, this method does not provide the contact times necessary for synthesis of vinyl chlorosilanes. As an alternative to the above reaction, the reaction $\text{HSiCl}_3 + \text{CH}_2 = \text{CHSiCl}_3 + \text{HCl}$ is proposed. This reaction was investigated, yields of 65% being obtained at 500°C with a contact time of 35 seconds. In the synthesis of methyl vinyl dichlorosilane by the reaction $\text{CH}_3\text{SiHCl}_2 + \text{CH}_2 = \text{CHCl} \rightarrow \text{CH}_3(\text{CH}_2=\text{CH})\text{SiCl}_2 + \text{HCl}$, the optimum conditions ensuring a 55% yield were 540°C and a contact time of 30 seconds. Thus the condensation of hydrochlorosilanes with vinyl

Card 2/3

Study of vinyl ...

S/661/61/000/006/016/081
D205/D302

chloride gives a simple continuous' method for preparing vinyl tri-chlorosilane and methyl vinyl dichlorosilane. There are 3 figures and 2 tables.

Card 3/3

X

40912

S/191/62/000/010/005/010
B101/B186

5.3833

AUTHORS: Golubtsov, S. A., Popeleva, G. S., Andrianov, K. A., Zaslavskaya, N. I.

TITLE: Thermal condensation of trichloro silane and methyl dichloro silane with vinyl chloride

PERIODICAL: *Plasticheskiye massy*, no. 10, 1962, 21 - 27

TEXT: Thermal condensation of vinyl chloride with methyl dichloro silane into methyl vinyl dichloro silane (I), and vinyl chloride with trichloro silane into vinyl trichloro silane (II) was conducted in a reaction tube of stainless steel under atmospheric pressure and at 30 sec contact time. Optimum reaction conditions were determined, and the condensation mechanism and thermal decomposition were studied. Results: The optimum temperature for synthesizing (I) is 530 - 540°C, the yield is 75 - 80% as referred to the reacting methyl dichloro silane. The side products are methyl trichloro silane, butadiene, high-boiling products, and gases containing 2% H₂, 5% C₂H₄, 4% C₂H₃Cl, 2% CH₄, and up to 1% C₂H₅. The thermal decomposition of

Card 1/3

S/191/62/000/010/005/010
B101/B106

Thermal condensation ...

methyl dichloro silane starts in at 400°C and reaches 20% at 570°C. The gaseous decomposition products contain 75% H₂ and 25% CH₄. The solid residue contains 65% Si but no free carbon. A radical mechanism is assumed, as the solid decomposition products catalyze the decomposition of methyl dichloro silane. The optimum conditions for the synthesis of II are: a molar ratio HSiCl₃ : C₂H₃Cl = 1 : 1.5 and 500 - 520°C. The yield is 70 - 75% as referred to the reacting HSiCl₃, and 60% referred to the reacting vinyl chloride. If the ratio is reduced to 1 : 0.6, the temperature has to be raised to 560 - 580°C. A ratio of 1 : 1 yielded 80% II with respect to HSiCl₃. The side products are equal amounts of SiCl₄ (15 g-moles per 100 g-moles HSiCl₃) and high-boiling polymers. The gas contains 5% H₂, 12% C₂H₄, 3% C₂H₆, the solid residue contains 10 - 50% Si and 30 - 75% elementary carbon. The thermal decomposition of HSiCl₃ in H₂, SiCl₄, and Si sets in at 560 - 570°C. The effect of the reaction vessel wall on the composition of the reaction products confirms the radical mechanism of the reaction. A surface increase of the reaction vessel by Raschig rings,

Card 2/3

Card 3/3

L 34046-66

ACC NR: AP6025483

SOURCE CODE: CZ/0037/66/000/001/0062/0063

AUTHOR: Popelis, Ivan

29
B

ORG: Institute of Physics, SAV, Bratislava (Fyzikalny ustav SAV)

TITLE: Apparatus for automatic recording of the thermal dependence of resistance using the relation $\log R = (1/T)$

SOURCE: Ceskoslovensky casopis pro fysiku, no. 1, 1966, 62-63

TOPIC TAGS: recording equipment, electric resistance, measuring apparatus, electric measurement

ABSTRACT: The article presents a block diagram and explanation of automatic apparatus which directly plots $\log R$ graphically as a function of $1/T$, permitting measurement of resistance varying from $10^{11} \Omega$ to $10^3 \Omega$ (NaCl in an inert atmosphere).

[JPRS: 35,386]

SUB CODE: 14, 09 / SUBM DATE: 10Oct64 / SOV REF: 002

Card 1/1

BELAN, Fedor Ivanovich; KOSTRIKIN, Yu.M., kand.tekhn.nauk., red.; POPELYSHKO,
I.F., inzh., retsenzent; VAGIN, A.A., red.izd-vs; ISLENT'YEVA, P.G.,
tekhn.red.

[Treatment of water; collection of problems] Vodopodgotovka;
sbornik zadach. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi
i tsvetnoi metallurgii, 1958. 240 p. (MIRA 13:8)
(Feed water--Problems, exercises, etc.)

POPELENSKAYA, V.I.

Injury of a group of cerebrocranial nerves in parotid abscess. Vest.
otorinolar., Moskva 15 no.3:83-84 May-June 1953. (CJML 25:1)

1. Of the Department for Diseases of the Ear, Throat, and Nose (Head --
Doctor Medical Sciences A. Kh. Min'kovskiy), Chelyabinsk Medical Institute.

POPELENSKAYA, V. I.

POPELENSKAYA, V.I.

Lymphogranulomatosis with pharyngeal manifestations. Vest. oto-
rin. 16 no.3:77-78 My-Je '54. (MLRA 7:7)

1. Iz oto-laringologicheskogo otdeleniya Chelyabinskoy oblastnoy
klinicheskoy bol'nitsy i kliniki bolezney ukha, gorla i nosa
(sav. prof. A.Kh.Min'kovskiy) Cheliabinskogo meditsinskogo instituta.
(HODGKIN'S DISEASE, manifestations,
*pharynx)
(PHARYNX, in various diseases,
*Hodgkin's dis.)

POPLENSKIY, N. N.

Textile Fibers, Synthetic

Competition in lowering costs at the synthetic fiber plant. Tekst. prom.
12 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 195~~3~~₂, Uncl.

PETROV, A.D.; ANDRIANOV, K.A.; GOLUBTSOV, S.A.; PONOMARENKO, V.A.;
CHERKAYEV, V.G.; TARASOVA, A.S.; VAVILOV, V.V.; ZADOROZHNYI, N.A.;
POPELEVA, G.S.

Continuous method of catalytic addition of hydrosilanes to un-
saturated compounds. Khim.nauk i prom. 3 no.5:679-681 '58.

1. Institut organicheskoy khimii im. V.D. Zelinskogo.
(Silane) (Unsaturated compounds)

POPELEA, J.; RYCHTR, L.

Balance liquidity-liquidity for the butene-butadiene-(1,3)-ammoniacal copper monoacetate system. In German. Coll.Cz.Chem. 24 no.11:3553-3561 N '59. (KBAI 9:5)

1. Forschungsinstitut für synthetischen Kautschuk, Gottwaldov. (Systems (Chemistry)) (Butene) (Butadiene) (Copper acetates)

06609

CZECH/8-53-1-5/20

AUTHORS: Popelka, Jaroslav, Vilfm, Otakar and Žampachová, Ljuba

TITLE: Instrument for Determining the Liquid-vapour Equilibrium at Elevated Pressures

PERIODICAL: Chemické listy, 1959, Vol 53, Nr 1, pp 22 - 23

ABSTRACT: A static apparatus for measuring liquid-vapour equilibria at high pressures has been designed. The disturbance of the equilibrium conditions devising the sampling operation, which occurs in the usual type of bomb apparatus, is eliminated by subdividing the apparatus into two or three chambers which can be isolated by closing a double stop valve fitted on a single spindle, which prevents non-equilibrium evaporation. A sketch (line drawing) of the apparatus is shown in Figure 1. Acknowledgments are expressed to J. Šuba for assisting in the design of the instrument. There are 1 figure and 2 references, of which 1 is Czech and 1 English.

Card 1/2

POPELKA, M. Cand Tech Sci -- (diss) "Simplification of complicated systems
in the calculation of static and dynamic stability." Mos, 1957. 16 pp
(Min of Higher Education USSR. Mos Order of Lenin Power Engineering Inst),
100 copies (KL, 5-58, 102)

POPELKA. M. (Praga)

Reduction of complex systems to simple equivalent circuits. Izv. AN SSSR,
Energ. i transp. no.4:434-439 Ji-1964. (MIRA 17:10)

POPELKA, M.

Grouping generators for calculating their static stability. Nauch.
dokl. vys. shkoly; energ. no.1:41-44 '58. (MIRA 11:10)

1. Rekomendovano kafedroy elektricheskikh setey i sistem Moskovskogo
energeticheskogo instituta.

(Electric generators)

POPELEK, Milan, inz.; VASEK, Jaroslav, inz.

Typical schemes for mine working in the Ostrava-Karvina coal-field. Uhlí 5 no. 12:407 D '63.

1. Vedecko-vyzkumny uhelny ustav, Ostrava-Radvanice.

POPELEVA, G.S.; ANDRIANOV, K.A.; GOLUBTSOV, S.A.; POBKOV, K.K.

Thermal addition of hydrochlorosilanes to alkenylchlorosilanes.
Izv. AN SSSR. Ser. khim. no.11:2041-2042 N '63. (MIRA 17:1)

Popelka, Miroslav

POPELKA, Miroslav, inzh.

~~Czech journal "Elektrotechnick obzor."~~ Elektrichestvo no.1:90-92
Ja '58. (MIRA 11:2)

(Czechoslovakia--Electric engineering--Periodicals)

POPELKA, Rudolf; SYKORA, A., inc.

Use of power cables without lead. Elektrotechnik 19 no. 6:
180-181 Js '64.

1. Elektrodružba, Tatra National Enterprise, Koprivnice (for Popelka).
2. Office of Standardization and Measurement, Prague (for Sykora).

POPELKA, Rudolf

Direct current electric soldering lamp. Elektrotechnik
19 no.4:119-120 Ap '64.

1. Elektroudrzba, Tatra National Enterprise, Koprivnice.

POPELKA, Rudolf; JURAK, Pavel

Regulation of the disconnecting switch of a medium voltage melting furnace. Elektrotechnik 17 no.11:322-324 N '62.

1. Elektroudrzba, Tatra, n.p., Koprivnice.

POPELKA, Rudolf

Mobile supply line for electric pulley blocks. *Elektrotechnik*
19 no.11:319,320 N '64.

1. Electric service of the Tatra National Enterprise, Koprivnice.

RABOCH, Jan, MUDr.; POPELKA, Stanislav, MUDr.

Agenesis of the vas deferens in male sterility; diagnosis by chemical examination of ejaculate. Cas. lek. cesk. 91 no.29: 857-861 18 July 52.

1. Ze Sexuologickeho ustavu Karlovy university v Praze; prednosta; Prof. dr. Josef Hynie. Z II. klinky pro orthopedii a detskou chirurgii; prednosta; Prof. dr. Hnevkovsky.

(VAS DEFERENS, abnormalities,
aplasia, causing sterility.)

(ABNORMALITIES,
aplasia of vas deferens, causing sterility.)

(STERILITY, MALE,
caused by aplasia of vas deferens & diag. by chem.
exam. of semen.)

(SEMEN,
count, diag. of sterility caused by aplasia of vas
deferens.)

POLAKOVA, Zdisi, Dr; POPEKLA, Stanislav, MUDr; PAUROVA, Ltv. prof.

Posterior capsulotomy of the knee in flexion contractures in progressive polyarthritis. Acta chir. orthop. traum. cech. 21 no.3:83-91 Js '54.

1. Z I. detske orthopedicke kliniky Karlovy university v Prase. Prednosta prof. MUDr Otokar. Hnevkovsky. 2. Z vyskumneho ustavu chorob reumatickych v Prase. Prednosta prof. MUDr Frantisek Lench.

(ARTHRITIS, RHEUMATOID, complications,

*knee flexion contracture, surg., posterior capsulotomy)

(KNEE, diseases,

*contracture in rheum. arthritis, surg., posterior capsulotomy)

(CONTRACTURE,

*knee, in rheum, arthritis, surg., posterior capsulotomy)

POPELKA S.

POLAKOVA, Z.; POPELKA, S.; TRUHLAR, P.; HARTOVA, E.; NECHVATALOVA, L.;
PAUROVA, V.; ZAMOSTNA, M.; KRALIK, V.; LENOCH, F.; HAJKOVA, Z.;
HNEVKOVSKY, O.; KADLECOVA, L.

Physical therapy in Bechterew's disease. II. passive exercises.
Fysiat. vest. Praha 32 no.3:72-86 Apr 54.

1. Z II. kliniky pro ortopedii a detskou chirurgii Karlovy university
v Praze, prednosta prof. MUDr. O.Hnevkovsky. Z vyakumneho ustavu
chorob reumatickych v Praze, reditel prof. MUDr Fr.Lenoch. Z
fysiatrickeho a balneologickeho ustavu Karlovy university v Praze,
prednosta prof. MUDr Fr.Lenoch.

(SPONDYLITIS, ANCYLOSING, therapy
exercise ther.)
(EXERCISE THERAPY
ancylosing spondylitis)

POPELKA, Stanislava, As. MUDr.; POLAKOVA, Zdislava, MUDr.

Mobilization of elbow in progressive polyarthritis. Acta chir. orthop. traum. cech. 24 no.4:345-351 July 57.

1. II Klinika pro orthopedickou a detskou chirurgii Karlovy university v Praze, prednosta prof. MUDr. Otakar Hnevkovsky. Vyskumny ustav chorob reumatickych v Praze, reditel prof. MUDr. Frantisek Lench.

(ARTHRITIS, RHEUMATOID, surg.

elbow, technic (Cz))

(ELBOW, dis.

rheum. arthritis, surg. (Cz))

HNEVKOVSKY, O.; PROCHAZKA, J.; ~~POPELKA, St.~~; BIS, E.; POLAKOVA, Zd., a instr.
lec. tel. E. Haladova

Certain conclusions from control examination of congenital luxations of the hip joint operated at our clinic during 1945-55. Acta chir. orthop. traum. cech. 26 no.5-6:518-522 1959.

I. II klinika pro detskou a ortopedickou chirurgii v Praze, prednosta
prof. dr. O. Hnevkovsky.
(HIP, fract. & disloc.)

POPELKA, S., ZAJIC, J.

Modified permanent suction drainage and its use in orthopedics and traumatology. Acta chir. orthop. traum. cech. 30 no.5:409-411 0'63.

1. II. klinika pro ortopedickou chirurgii fakulty detskeho lekarstvi KU v Praze, prednosta prof. dr. O. Rnevkovsky, DrSc.

*

POPELKA, Stanislav

Surgical treatment of habitual luxation of the shoulder joint
by the Nikol method. Acta chir. orthop. trauma. Cech. 28 no.4:
354-359 Ag '61.

1. II klinika pro ortopedickou a dětskou chirurgii v Praze,
prednosta prof. dr. Otakar Hnevksky.
(SHOULDER fract. & disloc.)

CIHAK, Radomir; POPELKA, Stanislav

Partial defects of the pectoralis major muscle; morphological and clinical study. Acta chir.orthop.traum.cech. 28 no.3:185-194
Je '61.

1. Anatomicky ustav FVL Karlovy university v Praze, prednosta prof. dr. L. Borovansky II.klinika pro ortopedickou a detskou chirugii v Praze, prednosta prof. dr. Hnevkovsky.

(MUSCLES abnorm)

POHUNEK, M.; BUDINSKA, B. Technicka spoluprace: POPELKOVA, P.

Enterococci in the etiopathogenesis of vaginal inflammation.
Cesk.gynek. 29 no.3:173-176 Ap'64

1. Epidemiol. odd.fak. vseob. lek. KU v Praze (vedouci: prof.
dr. Vl.Kubelka); I.gyn.-por. klinika fak. vseob.lek.KU v
Praze (prednosta: prof.dr. K.Klaus, DrSc.).

*

PRTRU, F., inz.; BUCHK, V. L., inz.; KRCH, J., inz.; KOCHEVA, B., inz.

Design and technology of the gas molecular generator of He-Ne light. *Jemna mech opt* 9 no.2:38-45, 1966.

1. Ustav pristrojove techniky, akoslovenska akademie ved, Brno.

L 10600-65 EWG(j)/EWA(k)/FBD/EWT(1)/EEG(k)-2/EEG(t)/T/EEG(b)-2/ENP(k)/EWA(h)/
 EWA(m)-2 Pn-l/Po-l/PT-l/PeB/Pl-l/Pl-l IJP(c)/AFWL/ESD(t) WG
 ACCESSION NR: AP4046499 Z/0030/64/000/009/0269/0275

AUTHOR: Petru, F. (Engineer, Candidate of sciences); Popela, B. (Engineer);
Krsek, J. (Engineer); Vesela, Z. (Engineer); Rubas, M.

TITLE: Gas laser for visible and infrared regions

SOURCE: Jemna mechanika a optika, no. 9, 1964, 269-275, 282

TOPIC TAGS: helium neon, silicon tube, discharge tube, CW gas laser

ABSTRACT: The article describes the design, characteristics and application of two CW He-Ne gas lasers emitting at wavelength of 1.1522, 3.3, and 0.6328 μ , built in Czechoslovakia. The authors claim their superior performance in comparison with other laboratory use. The article also includes a review of gas lasers. The gas discharging tubes and the Brewster's windows in these lasers are made of silicon of high optical purity. The technological processes of their construction, including material used, are also given in detail. This work was performed at UPT with the cooperation of R. Chudoba, J. Fajt, J. Jirusek, O. Moudry, A. Stejskal, V. Prajzner, Z. Barak, and other coworkers at the Institute whom we thank. The Electric Heating Appliance Factory in Prague.

Card 1/2

L 10600-65
ACCESSION NR: AP4046499

4
the Research Institute for Development of High-Frequency Generators for Charging Electronic Tubes, "Meopta" Plant for Production of Special Optical Parts, and UVQJM in Prerov (Manufacturing Dielectric Films on Mirrors) also participated in this work. Orig. art. has: 19 figures.

ASSOCIATION: Ustav pristrojove techniky, CSAV, Brno (Institute for Instrument Design, CSAV)

SUBMITTED: 00

ENCL: 00

SUB CODE: EO, OP

NO REF SOV: 002

OTHER: 028

Card 2/2

RODICHEV, S.D.; MERKIN, I.B.; MILOKHOV, N.I.; POPELLO, A.P.; SOLOV'YEV,
N.D.; SHEMSHURIN, N.A.; SORKIN, N.B., retsenzent; SMIRNOV, I.I.,
retsenzent; ANDREYEV, Yu.I., retsenzent; BRAVYY, Z.A., retsenzent;
SOKOLOVA, V.Ye., red.; MEDVEDEV, L.Ya., tekhn.red.

[Handbook on the primary processing of cotton] Spravochnik po
pervichnoi obrabotke khlopka. Moskva, Gos.nauchno-tekhn.isd-vo
lit-ry po legkoi promyshl., 1959. 687 p. (MIRA 13:4)
(Cotton gins and ginning)

POPELLO, A.P.

KIRILLOV, Georgiy Aleksandrovich; ~~POPELLO, A.P., red.~~; GORDEYCHIK, G.M.,
red.; DMITRIYVA, N.I., tekhn. red.

[KV-3 condenser for a battery of saw gins] Kondenser marki KV-3 dlia
batarei pil'nykh voloknootdeliteliei. Pod red. A.P. Popello. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po legkoi promyshl., 1958. 18 p.
(Cotton gins and ginning) (MIRA 11:7)

POPELLO, A.P.

ANDREYEV, Georgiy Ivanovich; ZHAK, Lyubov' Yefimovna; POPELLO, A.P., red.;
GORBYCHIK, G.M., red.; KOGAN, V.V., tekhn. red.

[Machine for separating fibers from waste] Mashina dlia vydelenia
volikna iz uliuka. Pod red. A.P. Popello. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po legkoi promyshl., 1958. 27 p. (MIRA 11:7)
(Cotton gins and ginning)

POPEL'NIK, B.N., inzh.

Automatic centering regulator for conveyor belts. Makh. 1
avtom. precizv. 19 no.7:30 J1 '65. (MIRA 18:9)

POPEL'NUKH, I.

New features in the development of state insurance. Fin. SSSR
21 no.11:67-70 N'60. (MIRA 13:11)

1. Nachal'nik Glavnogo upravleniya Gosstrakha USSR.
(Ukraine--Insurance)

POPEL'NYKH, I.

Fulfill quarterly plans consistently. Fin. SSSR 22
no.8:65-67 Ag '61. (MIRA 14:8)

1. Nachal'nik Glavnogo upravleniya Gosudarstvennogo
strakhovaniya USSR.
(Ukraine--Insurance, Agricultural)

POPEL'NITSKAYA, I.V.

Activity of the enzymes of the cerebrospinal fluid and blood serum in disorders of cerebral blood circulation. Trudy 1-go MMI 34:604-609 '64. (MIRA 18:11)

1. Klinika nervnykh bolezney (zav. - prof. V.V. Mikheyev) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

POPELYANSKIY, I.O.

IOSELEVICH, F.M.; POPELYANSKIY, I.U.

Pathogenesis of ocular spasm in postencephalitic parkinsonism.
Nevropat.psihiat., Moskva 19 no.2:25-28 Mr-Apr '50. (CML 19:3)

1. Of the Institute of Neurology of the Academy of Medical
Sciences (Director -- Prof. N.V.Kononov, Corresponding Member
of the Academy of Medical Sciences USSR).

FOFELYANSKIY, YA. YU.

"Comparative Clinical Characteristic of Tremor Paralysis and Postencephalitic Parkinsonism." Thesis for degree of Cand. Medical Sci. Sub 15 Jun 50, Acad Med Sci USSR

Summary 71, 4 Sep 52. Dissertations Presented for Degrees in Sciences and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

POPELYANSKIY, Ya. Yu;RAYEVA, N. V;

Certain neuro-gumoral spastic shifts in parkinsonism. Zh. neuropat.
psikhiat., Moskva 52 no.5:34-37 May 1952. (CJML 22:2)

1. Of the Institute of Neurology (Director -- Prof. N. V. Konovalov,
Active Member AMS USSR), Academy of Medical Sciences USSR.

POPELYANSKIY, Y. Yu., kandidat meditsinskikh nauk.

Cochleovestibular disorders in tuberculous meningitis treated with streptomycin. Vest. oto-rin. 16 no.5:16-20 S-O '54. (MIRA 7:12)

1. Iz kafedry psikiatrii (zav. prof. A.N.Molokhov) Kishinevskogo meditsinskogo instituta.

(VESTIBULAR APPARATUS, diseases,

streptomycin lesions in meningeal tuberc.)

(COCHLEA, diseases,

streptomycin lesions in meningeal tuberc.)

(TUBERCULOSIS, MENINGEAL, therapy,

streptomycin causing cochleo-vestibular disord.)

(STREPTOMYCIN, injurious effects,

cochleo-vestibular disord. in meningeal tuberc.)

MOLOKHOV, A.N., professor; POPELYANSKIY, Ya.Yu, kandidat meditsinskikh nauk

Residual neuropsychic disorders following tuberculous meningitis treated with streptomycin. Prob.tub.no.4:47-51 J1-Ag '55.
(MLRA 8:10)

1. Iz kafedry psikhiiatrii Kishinevskogo meditsinskogo instituta.
(TUBERCULOSIS, MENINGEAL, ther.
streptomycin, causing mental disord.)
(STREPTOMYCIN, ther.use
tuberc., meningeal, causing ment.disord.)
(MENTAL DISORDERS, etiol. and pathogen.
streptomycin ther. in meningeal tuberc.)

POPELYANSKIY, Ya.Yu.

Mechanism of the therapeutic effect of novocaine treatment of the musculus scalenus anterior in cervical osteochondrosis. Eksp. issl. po fiziol., biochim. i farm. no.3:125-131 '61 (MIRA 16:12)

1. Gosudarstvennyy institut usovershenstvovaniya vrachey, Novokuznetsk.

POPELYANSKIY, Ya. Yu.

Paradoxic movements in Parkinson's disease. *IA. IU. Popelianskii.*
Zhur. nevr. i psikh. 56 no.1:40-43 '56. (MLRA 9:4)

(PARALYSIS AGITANS)

POPELYANSKIY, Ya.Yu.

Initial psychoses in tuberculous meningitis [with summary in French]. Zhur.nevr. i psikh. 57 no.3:323-327 '57. (MLRA 10:6)

1. Kafedra psikhiatrii (zav. - dotsent V.I.Butorin) Chkalovskogo meditsinskogo instituta.

(TUBERCULOSIS, MENINGEAL, complications, psychoses (Rus))

(PSYCHOSES, etiology and pathogenesis, meningeal tuberc. (Rus))

POPELYANSKIY, Ya.Yu., kand.med.nauk

Clinical aspects of tumors of the glomus jugulare. *Sov.med.* 23
no.11:140-143 N '59. (MIRA 13:3)

1. Iz kafedry nervnykh bolezney (zaveduyushchiy - prof. I.I.
Kartsovnik) Stalinskogo instituta usovershenstvovaniya vrachey
(direktor - dotsent G.L. Starkov).
(PHOCHROMOCYTOMA)

ZHIRMUNSKAYA, Ye.A.; POPELYANSKIY, Ya.Yu.

Potentials of the eyeball in the electroencephalogram. Biofizika 4
no. 4:423-426 '59. (MIRA 14:4)

1. Institut nevrologii AMN SSSR.
(EYE) (ELECTROENCEPHALOGRAPHY)

POPELYANSKIY, Ya. Yu.

Cervical osteochondrosis syndromes; spinal, radicular, cerebrocranial,
visceral. Zhur.nev. i psikh. 59 no.6:706-713 '59. (MIRA 13:1)

1. Kafedra nervnykh bolezney (zav. - prof. I.I. Kartsovník) Stalinskogo
instituta usovershenstvovaniya vrachey.

(OSTEOCHONDRITIS, case reports,
cervical osteochondrosis synd. (Rus))
(SPINE, diseases
same)

POPELYANSKIY, Ya.Yu., dotsent

Humeroscapular periartthritis in patients with cervical osteo-
chondrosis and spondylosis. Ortop.travm.i protez. 21 no.3:32-
36 Mr '60. (MIRA 14:3)

1. Iz kafedry nervnykh bolezney (zav. - prof. I.I.Kartsovnik)
Stalinskogo (Kemerovskoy obl.) instituta ~~usovershenstvovaniya~~
vrachey.

(ARTHRITIS)

(VERTEBRAE DISEASES)

POPELYANSKIY, Ya.Yu., dotsent

Some mechanisms of compensation in cervical osteochondrosis.
Ortop., travm.i protez. 23 no.5:47-51 My '62. (MIRA 15:11)

1. Iz kafedry nervnykh bolezney (zav. - prof. I.I. Kartsovnik)
Novokuznetskogo instituta usovershenstvovaniya vrachey.
(OSTEOCHONDROSIS) (SPINE--DISEASES)

POPELYANSKIY, Ya.Yu.

Contraindications to certain types of exercise therapy in patients with cervical osteochondrosis, spondyloarthrosis, and hyperextension subluxation. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.2:154-159 Mr-Ap '62. (MIRA 15:11)

1. Iz kafedry nervnykh bolezney (zav. - prof. I.I.Kartsovník)
Donetskogo instituta usovershenstvovaniya vrachey.
(EXERCISE THERAPY) (OSTEOCHONDROSIS)
(SPONDYLOTHERAPY) (DISLOCATIONS)

POPELYANSKIY, Ya.Yu.

Cochleo-vestibular and laryngopharyngeal disorders in cervical osteochondrosis (vertebral artery syndrome, or posterior cervical sympathetic syndrome). Vest. otorin. 25 no.2:87-92 Mr-Apr '63. (MIRA 17:1)

1. Iz kafedry nervnykh bolezney (zav. - dotsent Ya.Yu. Popelyanskiy) Instituta usovershenstvovaniya vrachey, Novokuznetsk.

POPELYANSKIY, Ya.Yu., dotsent (Novokuznetsk, Kemerovskoy oblast,
Sanatornaya ul., d.1, kv. 168)

Congenital block of the superior cervical vertebrae with
subluxation of the lower segments as a cause for vestibular
seizures. Ortop., travm. i protez. 24 no.8:32-36 Ag '63.
(MIRA 17:1)

1. Iz kafedry nervnykh bolezney (zav. - dotsent Ya.Yu.
Popelyanskiy) Novokuznetskogo instituta usovershenstvovaniya
vrachey.

POPELYANSKIY, Ya. Yu.

Topographic and anatomic relationships between the semilunar processes of the cervical vertebrae and the vertebral artery in man. Arkh. anat., gist. i embr. 48 no.5:50-55 My '65.
(MIRA 19:1)

1. Kafedra nervnykh bolezney (zav. - prof. Ya. Yu. Popolyanskiy) Novokuznetskogo gosudarstvennogo instituta usovershenstvovaniya vrachey. Submitted November 15, 1963.

POPELYANSKIY, Ya.Yu.

Classification of cervical osteochondrosis syndromes. Zhur. nevrot.
i psikh. 65 no.2:199-203 '65. (MIRA 18:9)

1. Kafedra nervnykh bolezney (zaveduyushchiy - prof. Ya.Yu. Popelyanskiy) Novokuznetskogo instituta usovershenstvovaniya vrachey i 1-ya gorodskaya bol'nitsa (glavnyy vrach V.V. Bessonenko).

POPELYANSKIY, Ya.Yu., dotsent

Cervical osteochondrosis and subluxation of the intervertebral joints. Vestn. rent. i rad. 38 no.3:21-24 My-Je '63.

(MIRA 17:7)

1. Iz kafedry rentgenologii (zav. - prof. D. Ya. Bogatin) i kafedry nervnykh bolezney (zav. - prof. I.I. Kartsovnik) Novokuznetskogo gosudarstvennogo instituta usovershenstvovaniya vrachey.

POPELYANSKIY, Ye. Yu.

"Intervertebral disks" by A.D.Dinaburg, A.E.Rubasheva. Reviewed
by IA.IU.Popelianskii. Zhur.nevr.i psikh. 61 no.2:311-312 '61.

(MIRA 14:6)

(INTERVERTEBRAL DISK) (DINABURG, A.D.)
(RUBASHEVA, A.E.)

POPELYASH, V. N.

USSR/Electricity - Traction, Electric Dec 51
Trolley Coaches

"A Three-Wire System for Power Supply of
Trolley Coaches," V. N. Popelyash, Engr,
"Giprokommundortrans"

"Elektrichestvo" No 12, pp 20-25

Describes a 3-wire system for power supply of
trolley coaches. Determines the conditions
under which the 3-wire system can be used ef-
fectively. Submitted 13 Jun 51.

201T75

Subject : USSR/Electricity AID P - 3080
Card 1/1 Pub. 29 - 14/29
Author : Popelyash, V. N., Eng.
Title : Multiwire d-c system
Periodical : Energetik, 7, 19-21, J1 1955
Abstract : The author describes a multiwire d-c high power system supplying electroplating and electrolysis shops and compares it with a two-wire network. He demonstrates the advantages of using the multi-wire network. Four diagrams.
Institution : None
Submitted : No date

YEFREMOV, I.S., doktor tekhn. nauk; REKITAR, R.A., inzh.;
ROZENBERG, S.V., kand. ekon. nauk; BLATNOV, M.D., kand.
tekhn. nauk; VIL'KONETSKIY, M.S., inzh.; TOMILIN, A.I., inzh.;
POPELYASH, V.N., inzh.; ZAGAYNOV, N.A., kand. tekhn. nauk;
FINKEL'SHTEYN, B.S., inzh.; MARINOV, I.A., inzh.; ISTRATOV, V.P.,
inzh.; MARGOLIN, I.S., inzh.; ENGEL'S, G.G., inzh.; ANTONOV,
V.A., inzh.; SOKOLOV, V.D., inzh.; KLESHCHINSKIY, B.K., inzh.;
IL'INSKIY, A.I., retsenzent; PAPKOV, N.G., retsenzent; SMIRNOV,
G.M., retsenzent; SHPOLYANSKIY, M.N., otv. red. toma; VOLOCHNEV,
V.N., red.; TROFIMOV, A.N., red.; RACHEVSKAYA, M.I., red. izd-va;
LELYUKHIN, A.A., tekhn. red.

[Technical manual on city electric transportation in three
volumes] Tekhnicheskii spravochnik po gorodskomu elektro-
transportu v trekh tomakh. Redkollegiya: V.N.Volochnev, A.N.
Trofimov, M.N.Shpolianskii. Moskva, Izd-vo M-va kommun. khoz.
RSFSR. Vl.1. [City electric transportation (general part)]
Gorodskoi elektricheskii transport (obshchaia chast'). Otv.
red. toma M.N.Shpolianskii. 1961. 726 p. (MIRA 15:4)
(Streetcars) (Trolley buses)

ROZENFEL'D, V. Ye., doktor tekhn.nauk, prof.; POPELYASH, V.N., inzh.;
SMIRNOV, A.G., inzh.

Investigating the three-wire supply system for trolley-buses.
Elektrichestvo no.3:60-64 Mr '60. (MIRA 13:6)
(Trolley buses)

POPELYASH, V.N., inzhener.

Controlling stray currents from trolley lines. Elektrichestvo no.8:
72-73 Ag '56. (MLRA 9:10)

1. Giprekommundertrans.
(Electric currents, Leakage) (Electric current collectors)

L 42122-65 EEC-4/EED-2/EEC(k)-2/EWT(d)/EEC(f)/EWP(1) Pg-4/Pk-4/P1-4/Pn-4/Pq-4
IJP(c) GG/BB

ACCESSION NR: AP5007785

UF/0119/65/000/003/0013/0017

49
47
B

AUTHOR: Popelyash, Ye. N. (Candidate of technical sciences)

TITLE: Application of the ARS-1 automatic recording system to statistical process analysis.

SOURCE: Priborostroyeniye, no. 3, 1965, 13-17

TOPIC TAGS: statistical analysis, random process analysis, automatic recording system, computer input, encoder

160

ABSTRACT: The basic technical features of the ARS-1 automatic recording system are described from the point of view of data processing and recording of random processes for subsequent statistical analysis by a Ural-2 computer. The two main parts of the system are the measuring part and the information-processing part. The measuring part accommodates 12 input channels from conventional sensors and records each channel separately on magnetic tape, using frequency modulation. The information stored on tape can be made available in the form of an oscilloscope display, a graph on paper tape, or a binary code on another magnetic tape suitable

Card 1/3

L 42122-65

ACCESSION NR: AP5007785

for immediate computer processing. The information-processing part also has provisions for correction of sensor nonlinearities. The graph is recorded by a ferromagnetic process using a 300-mm-wide magnetic tape moving past a column of 256 recording heads spaced 1 mm apart at a velocity of 100 mm/sec. The ferrite powder which is deposited on the tape after magnetization is then transferred to paper. Two graphs, each 128 mm wide, can be recorded simultaneously. Uniform quantization with 256 levels of 0.2 volts each is used in the system. The sampling frequency of the encoder can be adjusted between 30 and 1200 cps. The coded information from each channel is stored on magnetic tape in the form of parallel nine-bit code groups. A special converter, which is not part of the ARS-1, was designed to feed the coded information from the tape into the Ural-2 computer with speeds of up to 2000 code groups per second. The average speed of the Ural-2 is 5000 operations per second and the capacity of its working storage is 409 twenty-bit numbers. Using the 9-bit code of the ARS-1, the computer can store a maximum of 8192 numbers, a portion of which must be reserved for the statistical analysis program. Other pertinent characteristics given are: input voltage range, 0-6 volts; bandwidth, 0-30 cps; continuous operating time, 15 minutes; overall accuracy, 3%. An example of a computed autocorrelation function of a 12-second

Card 2/3

I. 42122-65

ACCESSION NR: AP5007785

2

process sample function is given. The autocorrelation function is plotted from 70 computed points with each point requiring about 7 seconds of machine time. "Engineers K. A. Kudryashov and V. Ye. Litvinenko took part in the development of the input device." Orig. art. has: 6 figures and 2 formulas. [08]

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: DP, EC

NO REF SOV: 005

OTHER: 000

ATD PRESS: 3239

Card 3/3 CC

POPELYASH, Ye.N., kand.tekhn.nauk

Using the ARS-1 automatic recording system for statistical
evaluation of processes. Priborostroenie no.3:13-17 Mr '65.
(MIRA 18:4)

POPELYASH, Yevgeniy Nikolayevich, kandidat tekhnicheskikh nauk;
UDAL'TSOV, A.B., glavnyy redaktor; TOLCHINSKIY, Ye.M., inzhener,
redaktor; SHTEYNBOK, G.Yu., inzhener, vedushchiy redaktor

[Automatic instruments for recording pressure] Samopistay davlenii.
Tema 4, no. P-56-402. Moskva, Akad. nauk SSSR, 1956. 14 p.
(Manometer) (Recording instruments)

POPELYASH, Ye. N.

PLANE I BOOK EXPLANATION 50V/57A

Moscow, Aviation Institute Ispol Otdelovskaya 50V/11.5-120

Topoviy, Machine Engineering's problem I shtetn upravlyaniya; shtetn shtetn
[problem in the field of Aviation instruments and control systems; con-
tention of articles] book. Otdelovskaya 50V, 57 p. (Series: Isp. Ispol,
Vp-120). Errors also listed. 1950 copies printed.

Sponsoring Agency: KFTZL, Multitermno Vyshego I srednego special'nogo
obrazovaniya.

Ed. (Title page): B. A. Rykov, Doctor of Technical Sciences, Professor;
Ed. (Inside book): V. N. Tokar', Tech. Ed.: V. I. Oreshkin; Moscow;
Ed.: A. S. Agapovskiy, Engineer.

REMARKS: This book is intended for engineers and technicians working in the
planning, design of devices and control systems and can also be used by
students in the administrative departments of schools of higher technical
education.

CONTENT: The book consists of articles containing results achieved by the
Department of Aeromechanical Devices and Automatic Equipment of the Moscow
Aviation Institute Ispol Otdelovskaya in the development of aeromechanical
devices and automatic equipment. The book covers the following: design
of a transformer for an external regulator and stabilizing system; the
problems of the dynamics of linear and nonlinear control systems; stability
analysis of the dynamics of linear and nonlinear control systems; stability
and the revolutions of engines. So personalities are mentioned. Refer-
ences are found at the end of some articles.

TABLE OF CONTENTS:

Nasakov, M. I., Ye. V. Arzavskiy. On a Method of Modeling the Drive Engines of Low-Power Alternating Current Servo Systems	42
Orlov, I. A. Multichannel Measuring Device for Transmuting Measurements from a Moving Object to a Recording Device	59
Rozovskiy, I. I. Multiscope Method of Measuring Flying Aircrafts Parameters, A. P., and S. M. Korzhnev. Measurement with Automatic Measuring Device	81
Del'vinsky, L. A. Problems with Response Reading Corrections	111
Likhtshteyn, V. M. Determination of Dynamic Errors of Measuring Devices Using a Nonlinear Elastic Element	122
Popelyash, Ye. N. On the Operation of Mechanisms in Power Systems	130
AVAILABILITY: Library of Congress	138
Doc # 3/3	138

50V/57A
9-22-50

POPELYUK, P.F.. kandidat meditsinskikh nauk; KAMENETSKIY, V.T.; SIDOROVA, A.F.

Therapeutic effect of mineral waters from Morshin. Vrach, delo no.2:
203-204 P '56. (MLRA 9:7)

1. Morshinskiy sanatoriy VTsSFS.
(MORSHIN--MINERAL WATERS)

POPELYUK, P.F., dotsent

Clinical aspects of gastric lues. Vrach.delo no.8:869 Ag '57.

(MLRA 10:8)

1. Klinika propedevticheskoy terapii (zav. - prof. I.T.Stukalo)

pediatricheskogo i sanitarno-gigiyenicheskogo fakul'tetov

L'vovskogo meditsinskogo instituta

(STOMACH--DISEASES)

(SYPHILIS)

ПОПЕЛЮК, П.Ф.

POPELYUK, P.F., dots.; STRUKULENKO, S.S.

Case of cirrhosis of the liver with fatal hemorrhage of the
esophageal veins in a 14-year-old boy. Vrach.delo no.10:1091
0 '57. (MIRA 10:12)

1. Klinika propedevticheskoy terapii (zav. - prof. I.T.Stukalo)
i klinika obshchey khirurgii (zav. - prof. A.M.Serednitskiy)
L'vovskogo meditsinskogo instituta na baze Vtoroy gorodskoy
bol'nitsy.

(LIVER--CHIRRHOSIS) (HEMORRHAGE)

POPELYUK, P.F., dots.; GOGOLADZE, M.P.

Clinical aspects of primary globecellular sarcoma of the heart.
Vrach. delo no.1:81 '59. (MIRA 12:4)

1. Klinika propedevticheskoy terapii (zav. - prof. I.T. Stukalo)
L'vovskogo meditsinskogo instituta i Vtoraya godovskaya bol'nitsa.
(HEART--CANCER)

POPELYUK, P.F., dotzent; TURETSKAYA, R.S., assistant; YANKELEVICH,
Ya.Kh., ordinator

Clinical analysis of atypical forms of acute myocardial infarction;
clinical data for a ten year period. Nauch.trudy L'vov.obl.terap.
ob-wa no.1:217-224 '61. (MIRA 16:5)
(HEART—INFARCTION)

POPELYUK, P.F.

Influence of Morshin mineral water from the "Bonifatsii" spring on the secretory and evacuatory function of the stomach in dogs. Vop. kur., fizioter. i lech. fiz. kul't. 25 no.4:329-332 J1-Ag '60.

(MIRA 13:9)

1. Iz kafedry normal'noy fiziologii (zav. - chlen-korrespondent AN USSR prof. A.M. Vorob'yev [deceased]) L'vovskogo meditsinskogo instituta (die. - prof. L.N. Kuzmenko).

(MORSHIN—MINERAL WATERS)

(STOMACH—SECRETIONS)

POPELYUK, P.F., dotsent; KOVALIV, Yu.M.

Rare variant of erythema nodosum. Vrach.delo no.2:187 P '60.

(MIRA 13:6)

1. Kafedra propedevicheskoy terapii (zav. - dotsent P.F. Popelyuk)
sanitarnogo i pediatricheskogo fakul'tetov L'vovskogo meditsin-
skogo instituta.

(ERYTHEMA)

POPENKO, L. K.

Current status of the problem of minimal river runoff. Izv. Kar. i
Kol'. fil. AN SSSR no. 3:60-69 '59. (MIRA 13:4)

1. Otdel gidrologii Karel'skogo filiala AN SSSR.
(Runoff)

S/135/60/000/008/009/010
A006/A002

AUTHOR: Popekhin, M.M., Engineer

TITLE: The Moscow Regional Conference of Welding Engineers

PERIODICAL: Svarochnoye proizvodstvo, 1960, No. 8, pp. 40-41

TEXT: The Fifth Annual Regional Conference on the results of scientific and industrial work achieved in the field of welding during 1959, was held in Moscow from March 22-24, 1960. The Conference was attended by over 600 representatives of various organizations from Moscow, the Moskovskaya Oblast', Leningrad, Bryansk, Vladivostok, Dnepropetrovsk, Kramatorsk Ufa, Voronezh and other towns. The Conference was opened by N.N. Rykalin, Corresponding Member of the AS USSR, Head of the Welding Department at MONITOMASH. The Conference heard the following reports: Engineer Ye.V. Deyev, representatives of Gosplan RSFSR, on the supply of welding equipment and materials in 1960 and the following years; Ye.M. Rogova, Engineer, VNIIST, on "New Electrodes With Plastic Moisture Resistant Coating for Welding Low-Carbon and Low-Alloy Steels"; A.G. Mazel', Candidate of Technical Sciences, VNIIST, on "Investigation of the Metal Transition in the Welding Arc During Manual Arc Welding"; V.A. Vinokurov, Candidate of Technical Sciences, and

Card 1/4

S/135/60/000/008/009/010
A006/A002

The Moscow Regional Conference of Welding Engineers

A.S. Gazaryan, Engineer, MVTU, on the deformation in electroslog welding and regularities in transverse deformations arising during the welding and cooling process; Ye.M. Kuzmak, Doctor of Technical Sciences, and K.L. Yefremova, Engineer, Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti (Moscow Institute of Petroleum Chemistry and the Gas Industry) on "Characteristics of Wear Resistance of Reinforcements With Grained Hard Alloy"; I.M. Kramochaninov, Engineer, NIPTMASH, on "The Use of Ceramic Fluxes With Special Admixtures in Automatic Building-Up"; V.B. Shlyapin, Candidate of Technical Sciences, TsNII MPS, on "Vibro-Arc Building - Up Under Flux"; B.G. Ivanov and L.A. Avchin, Engineers, "Stankolit" Plant, on cold welding of cast iron; Yu.N. Zaytsev, Engineer (Voronezh), on using manual and automatic electroslog welding process for welding-up large defects in gray-iron castings of 30 mm wall thickness and more; A.I. Pugachev, Candidate of Technical Sciences, VIAM, on results obtained in shielding spot and roller welding of aluminum alloys; N.A. Chuvakov, Engineer, ZIL, on comprehensive mechanization and automation of resistance welding in automobile building; P.P. Volodin, Engineer, on roller welding of aluminum alloys; M.I. Baranov, Engineer, NIAT, on "New Welding Equipment"; N.L. Kaganov, Candidate of Technical Sciences, MVTU, on "Some Results in the Development of Equipment for Condenser Seam Welding"; G.M. Kasparzhak.

Card 2/4

The Moscow Regional Conference of Welding Engineers

S/135/60/000/008/009/010
A006/A002

Candidate of Technical Sciences, and V.B. Sidorkov, Candidate of Technical Sciences, TsNILElektrom, on "Basic Features of Multi-Purpose "BCK" (VSK) Welding Straighteners", V.A. Petrov, Engineer, on "Checking Equipment for Controlling the Resistance Welding Process"; N.N. Kupiryashin, Candidate of Technical Sciences, R.I. Zakson, Candidate of Technical Sciences, and V.D. Voznesenskiy, Engineer, NIITraktorsel' khozmash, on "A New Hydraulic Machine in Friction Welding"; A.S. Mastryukova, Candidate of Technical Sciences, MVTU, on a method of calculating the system and rate of welding pool crystallization; A.A. Yerokhin, Candidate of Technical Sciences, G.F. Balandin, Candidate of Technical Sciences and V.D. Kodolov, Engineer, IMET, on the mechanism of the ultrasonic effect on crystallizing metals; I.N. Gerasimenko, Candidate of Technical Sciences, VIAM, and L.S. Livshits, Candidate of Technical Sciences, VNIIST, on diffusion processes, such as carbon migration in the weld metal; V.V. Frolov, MVTU, on "Thermodiffusion Processes in Welding"; M.Kh. Shorshorov, Candidate of Technical Sciences and Yu.V. Sokolov, Engineer, IMET, on "Metallurgical Means of Preventing Hot Cracks in Welding Heat-Resistant Austenite Steels and Nickel Alloys"; O.V. Meshkova, Candidate of Technical Sciences, and G.M. Yakushin, Engineer, MVTU, on "Comparison of Methods of Evaluating the Proneness to Hot Cracks in Welding Industrial Aluminum Alloys"; V.S. Gavriluk, Engineer (MVTU), on "The Resistance of the Weld Metal to Hot Crack Formation and

Card 3/4

L 37922-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) TG/JD

ACC NR: AT6019749

SOURCE CODE: UR/3192/65/000/011/0231/0238

AUTHOR: Popenachenko, V. I.

53
841

ORG: none

TITLE: Results of an investigation on the reliability of type D2 germanium point diodes

SOURCE: Akademiya nauk Latvyskey SSR. Institut elektroniki i vychislitel'noy tekhniki. Avtomatika i vychislitel'naya tekhnika, no. 11, 1965; 231-238

TOPIC TAGS: germanium diode, reliability engineering, temperature dependence, time measurement, component life expectancy

ABSTRACT: The static parameters of semiconducting germanium point diodes (type D2) for temperatures ranging from 20 to 70C for periods up to 7000 hrs are presented. Experiments were carried out on 400 diodes produced in 1962 and on 400 diodes produced in 1959. Both the direct and reverse currents were related to temperature by I_{dir} .

$I_{rev} = Ae^{a(T-T_0)}$. From the data

$$I_{dir} = 8.5e^{0.0079(T-20^\circ)} \text{ and } I_{rev} = 176e^{0.0022(T-20^\circ)}$$

for the 1959 diodes, while

$$I_{dir} = 6.67e^{0.0077(T-20^\circ)} \text{ and } I_{rev} = 30.9e^{0.039(T-20^\circ)}$$

Card 1/2

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for the 1962 diodes. The ratio $I_{rev}(70C) / I_{rev}(20C)$ was 2.4 for 1959 and 7.5 for 1962. The values for the direct currents were 1.1 to 1.3 times greater for the 1959 diodes. The time dependence for I_{dir} and I_{rev} was plotted for both sets of diodes at 30, 50, 60 and 70C and represented by the following equations:

$$I_{dir ar} = t g a t_{test} + I_{dir ar}^0$$

and

$$I_{dir ar} = t g a t_{test} + I_{rev ar}^0$$

where $I_{dir ar}$ and $I_{rev ar}$ are the average values of the direct and reverse currents at any time during the test; $I_{dir ar}^0$ and $I_{rev ar}^0$ are average values of the direct and reverse currents at $t=0$; t is time. The average useful lifetimes are presented for the above temperatures as a function of I_{dir} and I_{rev} . The 1962 diodes were found to be generally superior to the 1959 diodes. Orig. art. has: 10 figures, 2 tables, 7 formulas.

[14]

SUB CODE: 09,14/

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ORIG REF: 002/

OTH REF: 001

Card 2/2/11/18

POPENENKOVA, Z.A.; ZAVENYAGINA, T.N.

Change in the serotonin content in the blood and organs of rats
in experimental pneumococcal infection. Biul. eksp. biol. i med.
52 no.11:43-46 N '61. (MIRA 15:3)

1. Iz otdela infektsionnoy patologii i eksperimental'noy
terapii infektsii (zav. - chlen-korrespondent AMN SSSR prof.
Kh.Kh. Planel'yes) Instituta epidemiologii i mikrobiologii imeni
N.F. Gamalei (dir. - prof. S.N. Muromtsev) AMN SSSR, Moskva.
Predstavlena deystvitel'nym chlenom AMN SSSR D.A. Zil'berom.

(SEROTONIN)
(PNEUMOCOCCAL INFECTIONS)

POPENKO, F.

Automobile factory workers conduct an inspection. Voen.-znan.
41 no.12:22 D '65. (MIRA 18:12)

POPENENKOVA, Z. A.

Cand. Med. Sci.

Dissertation: "On the Action Mechanism of Streptomycin."

16/3/50

Acad. Med. Sci. USSR

SC Vecheryaya Moskva

Sum 71

POPENENKOVA, Z. A.

U S S R .

The mechanism of bacterial intoxication. IV. Influence of histamine upon the adrenaline content of the suprarenal glands and blood in bacterial infection and intoxication. Z. A. Popenenkova (N. F. Gamalei Inst., Epidemiology and Microbiology, Acad. Med. Sci. U.S.S.R., Moscow). *Dokl. Akad. Nauk SSSR*, 1954, No. 8, 33-6 (1954). Rabbits injected with an 18-hr. culture of type I pneumococcus died 4-5 days later. The blood level of adrenaline was detd. by the method of Whitehorn and Shaw before the injection and daily after injection until death. The adrenaline level remained normal during the first 3 days and increased 2-2.5 times a short time before death. The adrenaline content of the adrenal glands decreased. Since introduction of an antihistamine substance prevented a decrease of the adrenaline content of the adrenal glands, it was assumed that the decrease which took place during the life of infected animals was due to formation of histamine-like compds. This was confirmed to a large extent by injecting 10 rabbits with histamine. The majority showed a considerable decrease of adrenaline, but the results were not uniform. A. Mirkin.

Translation M-210, 1 Nov 55

POPIENKOVA, Z.A.

Nucleic acids in Escherichia coli following griseimine therapy.
Zhur. mikrobiol. epid. i immun. no.12:67-73 D '55. (MLRA 9:5)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei
AMN SSSR (dir.-prof. G.V. Vygodchikov)

(ANTIBIOTICS, effects,

griseimine on E. coli nucleic acid)

(ESCHERICHIA COLI, effect of drugs on,

antibiotic griseimine, on nucleic acid metab.)

(NUCLEIC ACIDS, metabolism,

E. coli, eff. of antibiotic griseimine)

POPENKOVA, Z. A.

✓ Changes in nucleic acid content of intestinal rods with acquired resistance to griseimin. Z. A. Popenenkova. *Zhur. Mikrobiol., Epidemiol. i Immunobiol.* 1956, No. 1, 20-32. Intestinal rods which were resistant to griseimin contained less nucleic acids than parent cells during the lag phase and in the beginning of the logarithmic growth phase. Griseimin-resistant strain showed the same rate of ribonucleic acid formation, during growth, as the sensitive strain; the resistant strain showed a tendency to accumulate deoxyribonucleic acid. J. A. Stekol

①

Iz Instituta epidemiologii i mikrobiologii imeni N. F. Gamalei
AMN SSSR (dir. Prof. V. D. Rimakov)

EXCERPTA MEDICA Sec. 6 Vol. 11/9 Sept. 57

POPENENKOVA Z. A.

5079. POPENENKOVA Z. A. Sect. of Exp. Chemotherap., Inst. of Pharmacol.,
Exp. Chemotherap. and Chemoprophylaxis, Acad. of Med. Sci., Moscow.

*The influence of cortisone upon an experimentally
induced pneumococcal infection (Russian text) BJULL.
EKSPER. BIOL. MED. 1956, 41/3 (35-38)

The experiments were carried out on 26 rabbits: 9 rabbits were infected with pneumococci and left untreated, 6 rabbits were infected with pneumococci and treated with cortisone, 5 rabbits had cortisone only and 6 normal rabbits served as controls. Treatment with cortisone hindered the development of the local inflammatory reaction in rabbits infected with pneumococci and increased the severity of the infection. The treated rabbits died on the 2nd day, following the infection; the untreated animals, infected with the same dosis of pneumococci, died on the 5th-6th day. At the same time cortisone effected a decrease of ascorbic acid in the adrenals, leaving the content of adrenaline unchanged.

Krimsky - Moscow (XX, 4, 6)

POPENENKOVA, Z.A. (Moskva)

Functional changes in the adrenal cortex in bacterial infections
and intoxications. Vrach.delo no.7:767-769 J1 '57. (MLRA 10:8)

1. Otdel infektsionnoy patologii i eksperimental'noy terapii (zav. -
prof. Kh.Kh.Planel'yes) Instituta epidemiologii i mikrobiologii
AMN SSSR

(ADRENAL CORTEX) (INFECTION)