

L 078114-67 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6017492

SOURCE CODE: UR/0137/66/000/001/I022/I022

AUTHOR: Pishikin, A. M.; Popereka, M. Ya.

TITLE: Aging of electrolytic deposits of zinc, bismuth and tin according to the variation in their electrical resistance

SOURCE: Ref. zh. Metallurgiya, Abs. 11139

REF SOURCE: Sb. Elektroosazhd. met. i ul'trazvuk. mikrodefektoskopiya kristallov. Novosibirsk, 1965, 32-40

TOPIC TAGS: bismuth, zinc, metal film, tin, electric resistance, electrodeposition, metal aging

ABSTRACT: Thin films (6-8 μ) of zinc, bismuth and tin were deposited on bismuth or nickel substrates. The electrical resistance of the substrate was determined as a function of aging time before deposition and the same relationship was determined for the combination of substrate and thin film after deposition. The electrical resistance of the film was calculated by treating the substrate and deposited layer as parallel conductors. The electrical resistance of zinc and tin deposits on a bismuth substrate increases only slightly with aging (<0.23%). The increase in electrical resistance of a zinc layer on a nickel substrate is another order of magnitude less. When bismuth is applied to a bismuth substrate a reduction is observed in the resistance of the deposit with time (0.47% in the first hour after deposition). In the

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UDC: 669.5+669.76+669.6]017.3

L 07814-67

ACC NR: AR6017492

authors' opinion, the change in electrical resistance of the deposits during aging may be due to mutual diffusion of the atoms in the deposit and the substrate. Since nickel atoms have a lower mobility than those of bismuth, diffusion of nickel in zinc is much lower than diffusion of bismuth in zinc. The reduction in resistance with aging in the case of a bismuth deposit on a bismuth substrate is explained by the action of spontaneous ordering processes in the crystal lattice. The authors consider the given method for investigation of aging impractical due to the small variation in electrical resistance during aging of electrolytic deposits. L. Rokhlin. [Translation of abstract]

SUB CODE: 20, 07, 11

Card 2/2 mc

L 07817-67 EWT(m)/EMP(t)/ETI IJP(c) JD/HW

ACC NR: AR6017485

SOURCE CODE: UR/0137/66/000/001/G028/G028

AUTHOR: Popereka, M. Ya.; Siletskaya, K. A.

23
B

TITLE: Internal stresses, in electrolytic deposits of cobalt

SOURCE: Ref. zh. Metallurgiya, Abs. 1G208 27

REF SOURCE: Sb. Elektroosazhd. met. i ul'trazvuk. mikrodefektoskopiya kristallov. Novosibirsk, 1965, 5-15

TOPIC TAGS: internal stress, cobalt, electrodeposition

ABSTRACT: Internal stresses in cobalt deposits were measured as a function of current density and temperature by tension and compression on a ribbon cathode. The electrolyte contained 175 g/l of a cobaltamine with an acidity of pH 3. It is found that stresses increase as J is raised to 3 a/dm², decrease from 3 to 4 a/dm² and increase again above 4 a/dm². Stresses are reduced by an increase in temperature in the 20-50°C range. There is a complex relationship between temperature and values of J which result in the experimentally determined stresses. The physical mechanism responsible for compression of cobalt deposits is principally a matter of the migration of dislocations toward grain boundaries. G. Svodtseva. [Translation of abstract]

SUB CODE: 20 11, 13

Card 1/1 *luc*

UDC: 669,25,087

POPEREKA, M.Ya.

Method of calculating internal stresses in electroplated coatings.
Zav.lab. 30 no.4:476-480 '64. (MIRA 17:4)

1. Krasnoyarskiy politekhnicheskiy institut.

L-42960-56 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6024987

SOURCE CODE: UR/0081/66/000/007/B127/B127

AUTHOR: Koshmanov, V. V.; Popereka, M. Ya.

TITLE: Microstructures of electrodeposited zinc

SOURCE: Ref. zh. Khimiya, Part I, Abs. 7B968

REF SOURCE: Sb. Elektroosazhd. met. i ul'trazvuk. mikrodefektoskopiya kristallov. Novosibirsk, 1965, 41-54

TOPIC TAGS: zinc plating, electrodeposition

ABSTRACT: The effect of the concentration of ZnSO₄ (I), inorganic cations and anions, organic molecules, and current density on the grain size of zinc electrodeposits was investigated. As the concentration of I increases, the grain decreases in size at first, then increases. As the concentration of MgSO₄ and Na₂SO₄ rises, the grain increases up to a certain content, then decreases. Low concentrations of the inorganic admixtures Cl⁻ and BF₄⁻ and of organic substances cause a refinement of the grain, and high concentrations cause the grain to coarsen. The influence of the admixtures is attributed to the mechanism of their physical adsorption, which in some cases is complicated by the reduction of the admixtures at the cathode and by their chemical reaction with the metal surface. N. Turkina. [Translation of abstract]

SUB CODE: 13, 11/

Card 1/1

27
B

POPEREKA, M.Ya.; KOSEMANOV, V.V.

Effect of the cathode surface material on the internal stresses in
zinc deposits. Zhur.prikl.khim. 38 no.6:1296-1300 Je '55.

(MIRA 18:10)

POPEREKA, M.Ya.; KOSHMANOV, V.V.

Effect of electrolyte composition on the structure and
internal stresses of zinc deposits. Zhur.prikl.khim. 38
no.9:2011-2017 S '65. (MIRA 18:11)

POPEREKA, M.Ya.

Internal stresses in lead deposits. Zhur. fiz. khim. 39
no.6:1321-1327 Je '65. (MIRA 18:11)

1. Krasnoyarskiy politekhnicheskiy institut. Submitted
June 5, 1963.

POPEREKA, M.Ya.

Primary and secondary internal stresses in zinc and
cadmium deposits. Zhur. fiz. khim. 39 no.9:2103-2108
S '65.

(MIRA 18:10)

1. Krasnoyarskiy politekhnicheskiy institut.

AVRAMENKO, V.I.; POPEKKA, M.Ya.

Internal stresses in chromium plating deposited with application of
an alternating current. Zashch. met. 1 no.5:539-542 S-0 '65.

(MIRA 18:9)

1. Novosibirskiy elektrotekhnicheskiy institut svyazi.

POPEREKA, M.Ya.; AVRAMENKO, V.I.

Effect of the sinusoidal current on cobalt electrocrystallization.
Part 2: Microstructure, internal stresses, microhardness, Elektro-
khimiya 1 no.8:894-899 Ag '65. (MIRA 18:9)

1. Novosibirskiy elektrotekhnicheskij institut svyazi.

POPEREKA, M.Ya.; AVRAMENKO, V.I.

Internal stresses of cadmium electrodeposited with a super-
imposition of the alternating current. Zhur. fiz. khim. 39
no.8:1875-1879 Ag '65. (MIRA 18:9)

1. Novosibirskiy elektrotekhnicheskiy institut svyazi.

POPEREKA, M.Ya.; AVRAMENKO, V.I.

Physicomechanical properties of bismuth electrodeposited by a
superposed sinusoidal current. Izv. vys. ucheb. zav.; tsvet.
met. 8 no.4:84-89 '65. (MIRA 18:9)

1. Kafedra obshchey fiziki Novosibirskogo pedagogicheskogo
instituta.

L 1100-66 EWT(d)/EWT(m)/EWP(w)/EWP(i)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/
EWP(l) IJP(c) JD

ACCESSION NR: AP5021668

UR/0080/65/038/008/1783/1789
541.138

AUTHOR: Popereka, M. Ya.; Avramenko, O. I.

TITLE: Electroplating of bismuth and some properties of bismuth platings

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 8, 1965, 1783-1789

TOPIC TAGS: electroplating, bismuth, bismuth compound, hydrochloric acid, electrolytic deposition, solution kinetics

ABSTRACT: The article gives results of an investigation of the properties of bismuth platings obtained from an electrolyte containing bismuth trichloride and hydrochloric acid, without organic additives. The bismuth was plated out from a solution containing 48 gram/liter of bismuth trichloride and 117 gram/liter hydrochloric acid. Polarization during bismuth plating was measured with a lamp voltmeter with the aid of a bismuth comparison electrode located in the same electrolyte. Microhardness was determined with a PMT-3 instrument with a load of 20 grams on the indenter. Plating thickness was 10 microns and the anode was a rod of pure bismuth. Experimental data indicated a yield of more than 100%,
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L 1100-66

ACCESSION NR: AP5021668

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which is explained by the presence of a certain amount of divalent bismuth in the solution. Spectroscopic and chemical analyses were made of the bismuth platings. Spectroscopic analysis showed the presence of magnesium (about 0.01%) and lead (0.001%) and traces of arsenic. Chemical analysis showed a content of 96-99% bismuth. The structure of the platings was microcrystalline (mean grain diameter was 0.3-12 microns). Electroplated bismuth is characterized by high microhardness and there is a considerable change in hardness after plating. After electrolysis, a process of structural transformation takes place in the bismuth platings, the mechanism of which leads to "relaxation" and recrystallization as determined by direct observation. Orig. art. has: 7 figures and 1 table

ASSOCIATION: None

SUBMITTED: 10Jun63

ENCL: 00

SUB CODE: GC, MM

NR REF SOV: 016

OTHER: 007

Card 2/2

99

POPEREKA, M.Ya.; VTYURIN, N.I.; ZAKHAROVA, V.A.; AVRAMENKO, O.I.;
SAPONOV, I.A.

Internal stresses in galvanizing coatings. Zhur. fiz. khim. 39
no.2:527-530 F '65. (MIRA 18:4)

1. Krasnoyarskiy politekhnicheskiy institut.

POLEBKA, M.Ya.; AVRAIDAKO, V.I.

Effect of the sinusoidal current on the electrocrystallization of cobalt. Part 1: Current efficiency, pH of the cathode layer, cathodic polarization. *Elektrokhimiya* 1 no.5:524-531 My '65.
(MIRA 18:6)

1. Novosibirskiy elektrotekhnicheskiy institut svyazi.

POPEREKA, M.Ya.; AVRAMENKO, O.I.

Effect of the addition of inorganic salts on the structure and internal stresses of bismuth electrodeposits. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.4:627-632 '64.

(MIRA 17:12)

1. Krasnoyarskiy politekhnicheskii institut i Novosibirskiy pedagogicheskii institut.

POPEREKA, M.Ya.

Device for wear testing of thin layers under conditions of a reciprocating action. Zav. lab. 29 no.9:1137-1138 '63.
(MIRA 17:1)

1. Krasnoyarskiy politekhnicheskiy institut.

POPEREKA, M.Ya.; AVRAMENKO, O.I.; ZAKHAROVA, V.A.

Electrocrystallization stresses in bismuth deposits. Zhur. fiz.
khim. 37 no.5:1165-1167 My '63. (MIRA 17:1)

1. Krasnoyarskiy politekhnicheskii institut.

POPEREKA, M.Ya.; Priginal uchastiye: FRUSIN, K.S.

Change of internal stresses in zinc deposits after electrocry-
stallization. Zhur. prikl. khim. 36 no.8:1748-1756 Ag '63.
(MIRA 16:11)

1. Krasnoyarskiy politekhnicheskiy institut.

POPEREKA, M.Ya.

Investigating the kinetics of swelling of organic films by the strip-bending method. Koll.zhur. 23 no.6:761-762 N-D '61.

(MIRA 14:12)

1. Zaochnyy inzhenerno-stroitel'nyy institut (filial), Alma-Ata.
(Colloids)

POPEREKA, M. Ya.

Study of electrocrystallization stresses in electrolytic coatings. Zav. lab. 27 no. 9: 1135-1138 '61. (MIRA 14:9)

1. Filial Vsesoyuznogo zaochnogo inzhenerno-stroitel'nogo instituta.

(Electroplating) (Crystallization)

S/032/61/027/009/007/019
B117/B101

AUTHOR: Popereka, M. Ya.

TITLE: Investigation of stresses during electric crystallization in galvanic coatings

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 9, 1961, 1135-1138 ✓

TEXT: The author proposes a method and device for determining internal stresses in electrolytic coatings during expansion and compression of a band-shaped cathode. The diagram of the installation is shown in Fig. 1. The cathode (1) consisting of a thin band is fitted, with its lower end, by means of an ebonite nut (2) and tongue (3), to the projection of the rod (4). The rod is made of the cathode material and coated with a thin layer of organic glass. It serves for compensating the majority of cathode elongations caused by temperature. It is fitted, with its upper end, to the frame (5). The upper cathode end is placed in the terminal (6), which is attached to the tab (8) by means of a clamping nut (7). The tab is part of the measuring device. The anodes (9) are fixed to the walls of a cuvette (10) inserted into the device from below. The electrolytic key
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Investigation of stresses during ...

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B117/B101

(11) serves for measuring the cathode potential. Temperature in the cuvette is kept constant by means of a water bath. To avoid longitudinal flexure of the band-shaped cathode, a tensile stress must previously be established in it. This may, be achieved in two ways. First, by hanging the tab (8) onto the shorter lever arm (Fig. 2) (dashed line), the longer lever arm stressing the cathode by its weight. The microscope objective is focused on this arm. The occurrence of unforeseen displacements at the contact place between tab and lever and at the lever support is a drawback of this method. More accurate results may be achieved by the second method (Fig. 2). The tab (1) (like (8) in Fig. 1) carries a steel pin (2), which to half its length projects into the coil (3) of the electromagnet. This pin (2) carries a plastic rod (4) with collar lying on the coil. When the circuit of the electromagnet is closed, the pin (2) is pulled slightly into the coil, the collar being lifted off the coil and a tensile stress developing in the cathode. A steel armature (5) projecting into a three-layered cylinder is fitted to the rod (4). The layers (6) and (7) of the cylinder consist of polystyrene, and (8) of copper. The copper cylinder (8) and the armature (5) form the measuring condenser. This is part of the electronic pickup of the tube micrometer. The pickup is mounted in

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the upper part of the shell (9). The diagram of the tube micrometer was taken from publications (Ref.: Dzh. Markus i V. Tselyuf. Tekhnicheskiye primeneniya elektronno-lampovykh skhem (Technical Applications of Electron-tube circuits) IL (1954)). The device described is sensitive for shocks and needs a solid mounting. Metal is to both sides of the band-shaped cathode of the thickness d . The total thickness t of the metal increases steadily with time. During crystallization, an initial stress σ_{ot} develops

in each of its layers, a deformation of the cathode taking place. During the cathode deformation, the stress in the coating decreases more or less, depending on the hardness of the cathode material, assuming at any time an equilibrium value σ_{eqt} . A longitudinal force $P(t)$ develops in the

cathode. This force increases to the value $dP_0 = \sigma_{ot} b d t$ during deposition

of the next metal layer dt on t . b is the width of the band-shaped cathode.

The increase of $P(t)$ causes a further deformation $d\Delta$ of cathode and

coating, leading to a relief of the deposited layer by the value

$dP_t = d\Delta (E_{coat} b t / l)$. l is the length of the part of the cathode which

may be coated; E_{coat} is the modulus of elasticity of the deposited metal.

Card 3/6

POPEREKA, Ya. P.

Deceased

Medicine

See IIC

POPEREKOV, M. F.

Flax

Processing flax by steam, Nauka i zhizn' 20, No. 1, 1953.

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

USSR/Cultivated Plants. Commercial. Oil-Bearing. Sugars.

14

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20392.

Author : M.F. Poperekov

Inst : Not given.

Title : Development of the Seed Cultivation of Flax Fiber in the
USSR. (Razvitiye semenovodstva l'na-dolguntsa v SSSR).

Orig Pub: Len i konoplya, 1957, No 9,15-19.

Abstract: No abstract.

Card : 1/1

AUTHORS: Grigorov, N. L., Podgurskaya, A. V., SOV/56-35-1-1/59
Savel'yeva, A. I., Poperekova, L. M.

TITLE: The Interaction of Particles of Cosmic Radiation With
Various Nuclei (Vzaimodeystviye chastits kosmicheskikh
luchey s razlichnymi yadrami)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958,
Vol. 35, Nr 1, pp. 3 - 15 (USSR)

ABSTRACT: Following several earlier papers (Grigorov, Murzin, Ref 1,
Investigation of Primary Particles With $\sim 10^{10}$ eV Light
Nuclei, Observation of Secondary Components in the Air, see
also Reference 2), the present paper gives a report on
investigations carried out on stars and individual highly
ionized particles, which have been produced in altitudes
of 9 and 20 km on photographic plates (primary energy
 $\sim 10^{10}$ eV). Investigations were carried out with the
aid of sets of plates under lead- or graphite filters
of various thickness. The following results were obtained
for the number of stars per cm^2 and for a period of 24
hours:

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The Interaction of Particles of Cosmic Radiation With Various Nuclei

SOV/56-35-1-1/59

Height (km)	Filter	Thickness (mm)	Number of stars (cm ⁻³ d ⁻¹)
20	C	13	1910
20	C	39	2520
20	C	86	2190
20	Pb	5	2130
20	Pb	15	2360
20	Pb	33	2430
9	paraffin	170	402
9	Pb	35	417

The results obtained by the utilization of these plates are compiled in several tables. The following was found to hold for the interaction between nucleons with ~10 BeV and atomic nuclei:

$$E_p \sim A^{1/3}$$

$$E_{\pi^0} \sim A^{1/3}$$

E_p = average disintegration energy of the stars, E_{π^0} - the energy of the π^0 -mesons produced. The number of particles

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The Interaction of Particles of Cosmic Radiation With
Various Nuclei

SOV/56-35-1-1/59

in the stars is also proportional to $A^{1/3}$. The average energy which is carried off by the mesons is proportional to the radius of the nuclear target. Thus, the following was obtained for the ratio of E_{π^0} :

$$E_{\pi}^{\text{Pb}} : E_{\text{prim}} = 55 \pm 6\%; \quad E_{\pi}^{\text{air}} : E_{\text{prim}} = 28 \pm 3\% \text{ so that}$$

$$E_{\pi^0}^{\text{Pb}} : E_{\pi^0}^{\text{air}} = 2,0 \pm 3. \text{ There are 6 figures, 6 tables,}$$

and 6 references, 5 of which are Soviet.

SUBMITTED: September 27, 1956 (initially) and March 25, 1958 (after revision)

Card 3/4

POLONSKAYA, M.S.; POPEREKOVA, T.M.

Bacteria of the Azotobacter type in the animal body. *Agrobiologia*
no.1:109-114 Ja-F '62. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyay-
stvennoy mikrobiologii, Moskovskoye otdeleniye.
(Azotobacter)

USSR / Microbiology. Symbiosis.

F

Abs Jour : Ref. Zhur - Biol., No. 21, 1958, No 95070

Author : Polonskaya, M.S.; Leonovich, V.V.; Biberdiyeva,
M. P.; Poperekova, T.M.

Inst : -

Title : Combining Cultivations of Acidophilic Bacteria
with Azotobacter.

Orig Pub : Byul. nauchno-tekhn. inform. po s.-kh. mikrobiol.,
1957, No. 3, 38-41

Abstract : It is proposed to use azotobacter chroococcum
(or its filtrate) an organism which forms vita-
mins of B-complex, for the increase of energy of
multiplication, strengthening of antibiotic ac-
tivity and lengthening of the viable period of
the acidophilic bacteria. The simultaneous
feeding of azotobacter with acidophilic cultures

Card 1/2

EDWARDS, Bert, profsoyuznyy aktivist (Angliya); MASSB'O, Sharl' (Frantsiya);
POPEREN, Klod (Frantsiya); SAYTO, Khidekiti (Yaponiya)

Automation, money bags and man. Sov. profsoiuzu 18 no.8:42-44
'62. (MIRA 15:4)

1. Zamestitel' general'nogo sekretarya Natsional'noy federatsii zheleznodorozhnikov [Vsesoyuznaya konfederatsiya truda] (for Massb'o).
 2. General'nyy sekretar' profsoyuza gosudarstvennykh zavodov "Reno" [Vsesoyuznaya konfederatsiya truda] (for Poperen).
 3. Chlen Tsentral'nogo ispolnitel'nogo komiteta profsoyuza elektrikov "Denkiroren" (for Sayto).
- (Automation) (Trade unions)

FCFERNO, P. YE.

Lab. Riketsiozov Epidemiol. Section TSIEM, Central Inst.
Epidemiology and Microbiology, (-1944-).

"On the dissociation of typhus exanthematicus virus, 'his-
torical and tick', from the neutral mixture in dependence on
the place of its infusion."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 1-2, 1944.

LONGHIN, S.; POPESCO, A.

Histopathological research in experimental syphilis in rabbits.
Arch. roum. path. exp. microbiol. 22 no.4:937-942 S-D'63

1. Travail de la IX-ieme Clinique de dermatologie et du service
de dermatologie de l'Hopital militaire central, Bucarest.

CALALB, G.; SARAGEA, Alice; MAXIMESCO, Paula; avec la collaboration de:
CIOROIANU, Natalia; POPESCO, Ana; POPA, Suzana; MIHAILESCO, Ana

Research on a liquid enrichment for bacteriological diagnosis of diphtheria. Arch. Roum. path. exp. microbiol. 20 no.1:95-101 Mr '61.

1. Travail de l'Institut "Dr. I. Cantacuzino" - Service de la Diphterie et du Laboratoire du Centre Anti-epidemie Regional (SANEPID) de Bucarest.

(DIPHTHERIA diagn)

TOPCIU, Aurica; POPESCO, Elvira.

Research on induced resistance in *Neisseria meningitidis*. II.
Variants observed in *N. meningitidis* strains resistant "in
vitro" to streptomycin. *Arch. roum. path. exp. microbiol.* 23.
no.3:569-574 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service des Cocci
pathogenes, Bucarest.

ANGELESCO, I.; CHIRESCO, N.; DEMIAN, Ligia; GARTNER, Magda; POPESCO, G.;
RIMNICEANU, I.

Influence of the "time" factor on the efficacy of certain biological products. Arch. roum. path. exp. microbiol. 23 no.3: 821-826 S'63

1. Travail du Laboratoire Central pour le Controle d'Etat des Serums et des Vaccins, Bucarest.

THEODORESCO, B.; POPESCO, P.; IOAN, A1.

Some observations on pericardial and pleuropericardial clicks.
Cor Vasa 4 no.1:53-60 '62.

1. Institut de Medecine et de Pharmacie, Clinique Medicale Coltea,
Bucarest.

(PHONOCARDIOGRAPHY) (PERICARDITIS diag)
(AUSCULTATION)

BACANUM G.G.; POPESCO, V.

Results obtained with pathogenic *Actinomyces* filtrates in the intradermoreaction for the purpose of diagnosis of actinomycosis. Arch. roum. path. exp. microbiol. 22 no.4:1063-1069 S-D'63

1. Institut "Dr. I. Cantacuzino" (for Bacanu). 2. Faculte de Stomatologie de l'Institut Medico-Pharmaceutique, Bucarest. (for Popesco).

POPESCO, V. [Popescu, V.]

Classification and terminology of facial congenital malformations.
Rev Roum embryol 1 no.2:107-114 '64.

1. Clinic of Buccomaxillofacial Surgery, Faculty of Medicine,
Bucharest.

TUDOR, V.; DOGARU, D.; POPESCU, A.; DRAGOMIR, V.

Serological diagnosis of paratyphoid fever A after administration of reticulín to subjects of T.A.B. vaccination. Rev. igiena microb. epidem., Bucur. 1:48-58 Jan-Mar 55.

1. Lucrare efectuata ia Serviciul de boli contagioase al Spitalului militar ce central.

(PARATYPHOID FEVER, diagnosis serodiag. of paratyphoid A after admin. of reticulín to T.A.B. vaccinated subjects.)

(RETICULIN test in serodiag. of paratyphoid A, in T.A.B. vaccinated subjects.)

(VACCINES AND VACCINATION TAB vaccination for paratyphoid A reticulín test of vaccinated subjects.)

POPESCU, A.

Distr: 4E3d

Complexing process for the catalytic aromatization of gasoline and the preparation of cyclohexane. I. V. Nicolescu, A. Popescu, and A. Papiu (Univ. Bucharest, Romania). *Rev. Inst. Franç. Pétrole et Ann. Combustibles Liquides* 14, 1008-15 (1959); cf. *CA* 52, 11390a. — Results are given for bench-scale expts. on the aromatization of gasoline by multistage contact with a Platforming catalyst and a H₂ contg. gas. Benzene was produced from a 65-90° fraction and toluene and xylene from a 90-190° fraction. Pure benzene was sepd. by extrn. of the mixt. of aromatic compds. and was hydrogenated to cyclohexane over a 56% Ni on silica catalyst. W. I. Barnett.

5
 1-BW(BW)
 1-JAT(NB)
 1

POPESCU, A.

7:

Physical properties of solid catalysts. III. Electro-conductometric study of the catalyst Pt-Al₂O₃ used in the Platforming process. Microrreactor equipment for the determination of electrical conductivity and for the semiconductor character of metallic oxides and catalysts. I. V. Nicolescu, A. Popescu, M. Spinzl, and A. Suceveanu. *Rev. chim., Acad. Rep. Populare Roumaine* 4, 75-82 (1959) (in French); cf. *C.A.* 53, 21102b. — A microrreactor for the study of elec. cond. of solid catalysts was constructed. Reproducibility was studied by calibrating elec. cond. of NiO and ZnO in air and in a discontinuous H stream, confirming the hypothesis of Heckelsberg, *et al.* (*C.A.* 49, 7956i). PtO behaves as a n-type semiconductor in the temp. interval 280-500°. As regards the variation of elec. cond. as a function of temp., Al₂O₃ behaves as a very weak semiconductor with pos. holes at low temp. and as an electronic semiconductor at higher temps. The catalyst Pt on Al₂O₃ (1% Pt) used in Platforming appears to be a complex energetic system that behaves as a very weak conductor with pos. holes.

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Pop (up)

CAS
11

CGFT

Frederick C. Nachod

ZOSIN, C., Prof.; POPESCU, A., dr.; BACANU, Gh., dr.; BARBU, N., dr.

Magnesium sulfate in determination of arterial circulation rate.
Med.int.,Bucur. 8 no.5:711-715 Sept 56.

1. Clinica a II-a medicala, Timisoara.

(BLOOD CIRCULATION

rate of flow, peripheral, determ. with magnesium sulfate
& fluorescein)

(VASCULAR DISEASES, PERIPHERAL, diagnosis

determ. of rate of arterial blood flow in extremities,
method using magnesium sulfate)

(MAGNESIUM SULFATE

method of determ. of arterial circ. rate)

POPESCU, A.

LONGHIN, S.; POPESCU, Aristotel; VOLOSCEANU, D.

The role of low temperature in the generalization of experimental syphilis. Rumanian M. Rev. 1 no.3:70-73 July-Sept 57.

(SYPHILIS, exper.

eff. of cold on generalization in rabbits)

(COLD, eff.

on generalization of exper. syphilis in rabbits)

GALEA, Gh., conf.; BUCUR, Gh., dr.; PETRESCU, R., dr.; IAMANDI, I., dr.;
LAZAR, L., dr.; POPESCU, A., chim.

Changes in some serum lipids in chronic hepatitis and in hepatic
cirrhosis. Med. intern. 15 no.6:679-685 Je '63.

1. Lucrare efectuata in Clinica medicala, Spitalul "Brincovenesc".
(HEPATITIS) (LIVER CIRRHOSIS)
(BLOOD LIPIDS) (BLOOD CHOLESTEROL)
(LIPOPROTEINS) (BLOOD PROTEIN ELECTROPHORESIS)

POPESCU, A.; LUNGU, L.; STEFUREAC, T.

Batrachospermum anatinum Sirodot var. polymorphum var. n. in the algological flora of Rumania. p. 871.

COMUNICARILE. Bucuresti, Rumania, Vol. 7, no. 10, October 1957

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 8, August, 1959

Uncl.

POPESCU, A.; LUNGU, L.; STEFUREAC, T.

New contributions to the knowledge of the flora and vegetation of Bryophyta
in the Lotru valley. p. 7.

STUDII SI CERCEIARI DE BIOLOGIE. SERIA BIOLOGIE VEGETALA. Bucuresti,
Rumania Vol. 11, no. 1, 1959

Monthly List of East European Accessions (~~EEA~~) 16, Vol. 9, no. 2, Feb. 1960

Uncl.

POPESCU, A.; LUNGU, L.; STEFURAEC, T.

Aspects of the association with Buxbaumia aphylla L. in formations of spruce trees Picea excelsa (Lam.) Link in the Lotru-Paring Mountains of the southern Carpathians. P. 61.

(BULETIN STINTIFIC. SECTIA DE BIOLOGIE SI STINTE AGRICOLE. Vol. 9, No. 1, Jan./Mar. 1957. Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

NIKOLESKU, I. V. [Nicolescu, I. V.]; POPESKU, A. [Popescu, A.]

IV. Electric properties of the nickel and platinum catalysts, used in the processes of the aromatization of hydrocarbons. Rev chimie 6 no.1:115-123 '61.

1. Universitet in. K. I. Parkhena, Bukharest, Fakul'tet khimii, Laboratoriya organicheskogo kataliza.

PIMNER, Victor; POPESCU, Alexandru

Some problems on the determination of the rotation speed of rotary machines. Constr mas 16 no.11:591-593 N '64.

RUMANIA

POPESCU, Ar., Dr, of the "Pasteur" Institute for Veterinary Research and Biological Products (Institutul de Cercetari Veterinare si Biproparate "Pasteur").

"Comparing the Prophylactic Value of the Serum with That of the Globuline Concentrate Used in the Prophylaxis of the Aujeszky-Disease in Pigs."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 13, No 10, Oct 63, pp 42-48.

Abstract [Author's English summary modified]: The prophylactic value of anti-Aujeszky globulins was shown to be about 5 times greater than that of immune serum. Among 717 suckling piglets and 70 sows inoculated with the serum, the mortality rate was 60.7%, while for 3,081 piglets and 97 sows inoculated with concentrated globulins the mortality rate was only 11.98 percent.

Includes 1 table, 3 figures and 22 references, of which 14 Rumanian, 1 German, 3 Western and 4 Russian.

POPESCU, Ar.; PASCU, L.; TICAN, V.

Aphthous virus in cell culture. II. Cultivation and titration of the indigeneous O₂ strain in trypsinized cells of swine kidney cortex. Studii cerc inframicrobiol Special issue-supplement to 12:437-443 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de seruri si vaccinuri Pasteur, Bucuresti.

(VIRUSES) (FOOT-AND-MOUTH DISEASE) (TRYPsin)

POPESCU, Ar.; TICAN, V.; POPESCU, L.

Correlations between serum protein concentrations and specific antibody levels in the hyperimmune serum of foot-and-mouth disease.

Studii cerc inframicrobiol Special issue-supplement to 12:445-453 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de seruri si vaccinuri Pasteur, Bucuresti.

(ANTIGENS AND ANTIBODIES) (PROTEINS)
(FOOT-AND-MOUTH DISEASE)

POPESCU, A.

Catalytic dehydroconversion of kerosens. p. 171.
Vol. 2, No. 3/4/, July/Dec. 1954, Bucuresti, Rumania

SOURCE: Monthly List of East European Accessions, (EEAL), L. of C., Vol. 5,
No. 10, Oct. 1956.

POPESCU, A.

427. CATALYTIC DEHYDROCONVERSION OF KEROSENE. Nicolae, I.V. and Popescu, A. (Khim. Zh. Akad. Nauk (Chem. J. Acad. Romania), 1954, Vol. 3, 107, 108, abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1956, (10), 30100). The name dehydroconversion is given to a combination of catalytic cracking and aromatization of kerosene or solar oil to produce aromatic gasolines. Successful trials of this process with various catalysts are recorded.

2

flm LFH

Popescu, A.

The promoting effect of platinum on nickel catalyst in the
 aromatization of certain paraffinic and cycloparaffinic hy-
 drocarbons. I. V. Nicolescu and A. Popescu. Acad. rep.
 populare Romania, Studii cercetari chim. 3, 135-40(1955)
 (French summary).—Adding small amts. (0.2%) of Pt to
 Ni-Al₂O₃ (36.6, 10.36, and 5.46% Ni) catalysts increased the
 yield in aromatizing n-C₁₀H₁₈ (I), methylcyclohexane (II),
 and a 1:1 mixt. of I and II. At 520° and atm. pressure,
 Ni-Al₂O₃-Pt (5.46% Ni and 0.2% Pt) aromatized 40% of I,
 94% of II, and 54% of a mixt. of I and II. Decreasing the
 Pt-Ni ratio below 0.036 gave lower yields; without Pt,
 increasing the Ni content invariably led to better conver-
 sions.

Gary Gerard

PM

Popescu, H. I.

RUMANIA/Physical Chemistry - Kinetics. Combustion.
Explosives. Topochemistry. Catalysis

B-9

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3861

Author : Nicolescu I.V., Modestinu A., Popescu A.I.

Inst : Academy of Rumanian People's Republic

Title : Catalytic Action of ~~Some~~ ~~Aluminum~~ Silicates in the
Synthesis of Isopropyl Chloride from Cracking Gases

Orig Pub : Commun. Acad. RPR, 1956, 6, No 1, 63-70

Abstract : At temperatures of 24-145° and space velocities 17-36,
as study was made of the catalytic activity (in the reac-
tion $C_3H_6 + HCl = iso-C_3H_7Cl$) of silica gel, silica gel
impregnated with 15% $FeCl_3$, synthetic magnesium-aluminum
silicate ($Al_2O_3:SiO_2:MgO = 11:80:9$), and bentonite clay
having the composition $SiO_2:Fe_2O_3:Al_2O_3 = 62.88:12.46:$
18.40 (I). Catalytic activity of all the investigated
catalysts decreases with increase of the reaction tem-
perature; most active was found to be I, which at a

Card 1/2

- 147 -

Card : 1/1

RUMANIA / Chemical Technology. Chemical Products. Refin- H
ing of Natural Gas and Petroleum. Motor and
Rocket Fuels. Lubricants.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68725.

Author : Nicolescu I. V., Popescu A., Papia Al.

Inst : Not given.

Title : Complex Catalytic Refining of Gasoline with Simul-
taneous Production of Pure Aromatics, High Octane
Gasoline and Cyclohexane.

Orig Pub: Rev. chim. 1957, 8, No 10, 625-633.

Abstract: A new method of catalytic aromatization of gaso-
line with simultaneous production of benzene, to-
luene, xylenes, high octane gasoline and cylohexane
is described. Catalysts employed are: Pt-Al₂O₃ and
Ni-SiO₂ with 56% Ni. A complex conversion with the
fullest utilization of the 65-195° naphtha fraction
is thus attained.

Card 1/1

67

POPESCU, AL.

RUMANIA / Physical Chemistry Kinetics. Combustion, Explosions. Topochemistry. Catalysis. B

Abs Jour: Ref Zhur-Khimiya, No 11, 1958, 35471

Author : Nicolescu I.V., Popescu Al.

Inst : Not given

Title : Study of the Mechanism of a Heterogeneous Catalysis. Part I.

Orig Pub: Rev. Chim., 1957, 8 No 11, 688-691

Abstract: Proceeding from conclusions drawn from recent theories, a number of experimental data obtained by other authors upon the investigation of the aromatization of n-Heptane, Cyclohexane and Methyl Cyclohexane on catalysts is considered. The catalysts are: Ni-Al₂O₃ with 5.4-36.6% Ni, and Ni-Al₂O₃Pt with the same quantity of Ni and an addition of 0.2% Pt.

Card 1/1

POPESCU, A.

RUMANIA/Chemical Technology - Chemical Products and Their
Application, Part 3: - Industrial Organic
Synthesis.

H-15

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47682
Author : I.V. Nicolescu, Alexe Popescu
Inst : "C.J. Parhon" University.
Title : Method of Simultaneous Preparation of Benzene and
Cyclohexane at Catalytic Aromatization.
Orig Pub : An. Univ. "C.J. Parhon". Ser. stiint. naturi, 1957, No
15, 93-96.
Abstract : Benzene (I) and cyclohexane (II) are obtained at the
catalytic aromatization of gasoline fractions (GF) by
platforming, at which occasion the forming gases con-
taining from 75 to 85% of H₂ are utilized for the pa-
rallel catalytic hydrogenation of pure I or of a

Card 1/2

RUMANIA/Chemical Technology - Chemical Products and Their
Application, Part 3. - Industrial Organic
Synthesis.

H-15

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47682

direct GF aromatization product. The experiments were carried out with a GF boiling in the range from 66 to 90° and containing (in %) paraffins - 38, naphthenes - 58, and aromatic compounds - 4; the aromatization product contained (in %) aromatic compounds - 52, naphthenes - 8, and paraffins - 40. The optimum conditions for the industrial hydrogenation of I are: temperature - 160°; catalyst - 56% of Ni and 44% of SiO₂; pressure - 8 to 10 atm.; volumetric rate from 0.5 to 1; molecular ratio of gases to I - 1.5 - 2 : 1; yield of II - 100%. The characteristic of the produced II: $d_{20} = 0.7790$; $n_D = 1.4260$; aniline point - 31.0; boiling point - 80 to 81.5°. At the hydrogenation of I containing fractions, fractions containing about 50% of II are obtained, yield of II - 100%.

Card 2/2

COUNTRY : RUMANIA B
CATEGORY : Physical Chemistry. Kinetics. Combustion.
Explosions. Photochemistry. Catalysis.
ABS. JOUR. : Rev. Chim., No 17, 1959, No. 50078
AUTHOR : Niculescu, I.V., Donescu, A.
INSTITUTE : -
TITLE : Physical Properties of Solid Catalysts. V.
Energy of Activation of Electroconductivity*
ORIG. PUB. : Rev. chim., 1958, 9, No 11, 597-601

ABSTRACT : Changes in specific electroconductivity of
the Pt "Platforming" catalyst as a function
of temperature were investigated. Activities
and values of activation energy of electrocon-
ductivity were determined for active and deac-
tivated catalysis. A definite correlation was
found to exist between the activation energy
of electroconductivity and catalyst's activity.
Preceding part appears in Ref. Zhur. Khim. 1958
[sic], No 15, 5777.

*and Activity of Certain Aromatization Catalysts

Card: 1/1

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Romania (membru corespondent al Academiei Republicii Socialiste Romania); STRATI, I., Lieutenant-Colonel, Medical Corps; POPESCU, Al., Colonel, Medical Corps; and GEORGESCU, Colette

"Immunofluorescence in the Identification of the Pseudomonas pseudomallei, the Etiologic Agent of Melioidosis"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 282-285

Abstract: Study of fluorescence microscopy revealed that this procedure is perfectly adequate in the diagnosis of melioidosis, permitting differentiation of Pseudomonas pseudomallei (any of 10 strains) from any of 11 other species of bacteria which might interfere with identification (53 strains of latter tested) 1 Table.

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Rumania (membru corespondent al Academiei Republicii Socialiste Romania); STRATI, I., Lieutenant-Colonel, Medical Corps; and POPESCU, Al., Colonel, Medical Corps.

"Immunofluorescence in the Identification and Localization of the Infective Process in Experimental Helicoidosis"

Recherches, Revue de Parasitologie Helicoidose, Vol. 10, 1961, pp. 301-307

Abstract: Description of sequence of lesions in rats and mice inoculated with any of three strains of pseudomonas pseudomallei by nasal or oral routes at different times after inoculation, in various organs, using fluorescence microscopy to detect the presence of the antigenic agent in the tissues.

1/1

L 29255-66 -I JK

ACC NR: AP6019358

SOURCE CODE: RU/0012/65/061/006/0871/0878

AUTHOR: Nestorescu, N. (Professor; Doctor; Corresponding member Academy of the Socialist Republic of Rumania); Popescu, Al. (Colonel; Doctor) 25
B

ORG: none

TITLE: Immunofluorescence, a modern method for the rapid diagnosis of infectious diseases

SOURCE: Revista sanitara militara, v. 61, no. 6, 1965, 871-878

TOPIC TAGS: brucellosis, anthrax, rickettsial disease, medical equipment, infective disease, diagnostic medicine

ABSTRACT: The authors survey the general field of immuno-fluorescence, discussing its theoretical basis, techniques, and associated equipment and supplies, and summarize its chief applications in the diagnosis of infectious diseases such as salmonella and shigella attacks, brucellosis, anthrax, syphilis, rickettsioses, and enteroviroses. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 13Jul65 / ORIG REF: 005 / OTH REF: 013

SOV REF: 001

Card 1/1 cc

MACOVSCI, E., acad.; CARSTEANU, Mioara; POPESCU, Alexandrina

Method for determining the exosmosis of electrolytes in the
uterine tube. Studii cerc biochimie 7 no.2:151-153 '64.

1. Institute of Biochemistry, Rumanian Academy, Bucharest. Sub-
mitted February 25, 1964.

CARATZALI, A.; PRICAJAN, Sidonia; MIRONESCU, St.; POPESCU, Alexandrina

Considerations on human sex chromosomes in connection with a case of gonadal dysgenesis and vaginal aplasia. Stud. cercet. endocr. 15 no.2:161-167 '64.

1. Institutul Oncologic, Bucuresti, si Clinica de ginecologie si obstetrica, Institutul medico-farmaceutic, Bucuresti.

MAN, Marinela; CRISTESCU, Laurentia; POPESCU, Ana; NECIU, Ariadna

Aspects of the obtaining of complex fertilizers based on ammonium phosphates. Rev chimie Min petr 14 no.7:375-380 J1 '63.

POPESCU, Ar.; TICAN, V.; SINCHIEVICI, B.

Immunizing value of the vaccine against Rubarth's disease
at various intervals after its preparation. Stud. cercet.
inframicrobiol. 14 no.3:335-340 '63.
(HEPATITIS, ANIMAL) (DOG DISEASES) (VACCINATION)
(VACCINES)

ROMANIA

POPESCU, AN., Dr. of the "Pasteur" Veterinary and Biological Products Research Institute (Institutul de Cercetari Veterinare si Biopreparate "Pasteur").

"The Prophylactical Value of the Anti-Aujeszky Globulines Applied in an enzootical Focus."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol. 13, No 1, Jan 1965, pp 72-75.

Abstract [Author's English summary modified]: Reports on the use of anti-Aujeszky globulins prepared from anti-Aujeszky serum and hyperimmune serum to prevent and control the disease among pig sucklings in an active focus; the State Agricultural Farm of Bohargia. Intramuscular inoculation of 3 ml doses provided protection against natural infection with the virus for 91.27 percent of the piglets, while the inoculation under the same conditions of 25 ml doses protected only 22.06 percent of the animals.

11/2

RUMANIA

Bucharest, Revista de Zootehnie si Medicina Veterinara,
Vol 15, No 1, Jan 1963, pp 72-79.

Includes 3 figures and 3 Russian, 4 Western and 5
Rumanian references.

- END -

1024

CSO: 2000-N

14

POPESCU, A.;NICOLESCU, I.

Physical properties of solid catalyzers. III. Electroconductometric study of the Pt-Al₂O₃, utilized in the process of plating and determining the properties of the semiconductor of PtO. p. 49.

STUDII SI CERCETARI DE CHIMIE. Bucuresti, Rumania.
Vol. 7, no. 1, 1959.

Monthly List of East European Accession (EEAI). LC, Vol. 8 No. 9, September, 1959

Uncl.

BRAUNER, R.; GALEA, Gh.; NICOLAESCU, T.; MINCU, E.; PASCU, T.; BUCUR, N.; MIINEA, I.; ENACHE, M.; POPESCU, Ana

Considerations on the sequelae of epidemic hepatitis. Probl. ter., Bucur. 10 no.2:29-44 '59.

(HEPATITIS, INFECTIOUS, complications)

(LIVER CIRRHOSIS, etiology)

(NERVOUS SYSTEM, diseases)

(GASTROINTESTINAL DISEASES, etiology)

(CHOLECYSTITIS, etiology)

POPESCU, Al. [Popescu, Al.]; KARABOGDAN, I. [Carabogdan, I.]

Use of gamma relays in determining the viscosity of liquids by the absolute method. Rev electrotechn energet 5 no.2:451-458 '60.
(EEAI 10:5)

(Gamma rays) (Electric relays) (Viscosity)
(Radioisotopes) (Mathematical statistics)

MACOVSCI, E., acad.; MIHAESCU, A.; POPESCU, A.

Methods of measuring iodine endosmosis in uterine cervix.
Studii cerc biochimie 5 no.1:113-115 '62.

1. Catedra de biochimie, Facultatea de stiinte naturale a
Universitatii "C. I. Parhon", Bucuresti. 2. Membru al
Comitetului de redactie si redactor responsabil, "Studii si
cercetari de biochimie" (for Macovschi).

SIMIONESCU, N.; STOICA, T.; POPESCU, Alice; GOLDSTEIN, Maia

The effects of 4-chlorotestosterone acetate on compensatory hypertrophy of the adrenal glands. Stud. cercet. endocr. 13 no.1:23-30 '62.

(ADRENAL GLANDS diseases)
(TESTOSTERONE related cpds)
(HYPERTROPHY AND HYPERPLASIA experimental)

L 64580-65

ACCESSION NR: AP5023131

RU/0012/64/000/004/0657/0666/9
B

AUTHOR: Longhin, S. (Professor, Doctor, Lieutenant General); Popescu, A. (Corresponding member ARPR, Lieutenant Colonel); Zamfir, E. (Pharmacist); Mirescu, E. (Pharmacist); Vartolomeu, M. (Candidate of medical sciences, Colonel, Pharmacist)

TITLE: Prevention of photodermatoses

SOURCE: Revista sanitara militara, no. 4, 1964, 657-666

TOPIC TAGS: tissue disease, external medicant

ABSTRACT Study with 16 different ointment, 4 emulsion and 5 solution dosage forms of common photoprotective preparations having as active ingredients PAS, PABA, ZnO, antipyrine, quinine, tannic acid: stability, release. Despite a number of minor disadvantages, ointments are still the most suitable dosage form for the purpose. One Czech, 1 Polish, 1 Soviet, 2 Rumanian and 8 Western references. Orig. art. has: 1 figure, 1 formula.

ASSOCIATION: none

Card 1/2

I 64580-65

ACCESSION NR: AP5023131

SUBMITTED: 00

NR REF SOV: 000

ENCL: 00

OTHER: 012

SUB CODE: 18

JPRS

KC
Card 2/2

Infectious Diseases

616.981.71

RUMANIA

SARATEANU, D., SORODOC, G., BABES, V. T., POPESCU, L. and POPESCU, A., of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania).

"The Incidence of Pararickettsial Infection in Bucharest Regione."
Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17,
No 2, 66, pp 125-128.

Abstract: In a study of serum samples from 907 persons working in the zootechnical sector, the authors found antipararickettsial antibodies in 43.3 percent. The incidence in doctors and veterinary technicians was 69 percent, in cattle handlers 42.1 percent, in pig handlers 31.2 percent, in poultry handlers 27.4 percent and in sheep handlers 25 percent. A direct correlation was found to exist between the degree of infection of the animals and the incidence and titer of antibodies in their handlers.

Includes 2 tables and 5 references, of which 3 Rumanian, one Czech and one English-language. -- Manuscript submitted 5 January 1966.

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Rumania (membru corespondent al Academiei Republicii Socialiste Romania); BARGER, Cella; POPOVICI, Marcella, POPESCU, Al., Colonel, Medical Corps; and GEORGESCU, Colette.

"Experimental Studies on Immunogenesis with Extracts of *Vibrio cholerae* in Producing Diagnostic Sera. Part 1: Studies on the Qualities of the Phenol Extracted Antigens"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 288-289

Abstract: Description of procedure to obtain the phenol extract of potentially diagnostic antigen, a polysaccharide from *Vibrio cholerae* strains 16147 Inaba and 16152 Ogawa, with uncertain or relatively unreliable results.

1/1

L 33721-66

SOURCE CODE: RU/0012/65/061/004/0591/0603

ACC NR: AP6025157

AUTHOR: Longhin, S. (Doctor; Professor, Lieutenant general, Corresponding member ARPR); Popescu, A. (Doctor, Colonel, Candidate of medical sciences); Popescu, C. (Professor, Pharmacist, Doctor); Braileanu, E. (Pharmacist, Doctor); Fica, C. (Pharmacist); Beaca, M. (Pharmacist); Georghiu, E. (Pharmacist)

23
B

ORG: none

TITLE: Protective ointments

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 591-603

TOPIC TAGS: skin physiology, allergic disease, drug, drug treatment, dermatology
ABSTRACT: A report on a study of protective ointments used in the prophylaxis and treatment of occupational dermatoses. Two types of hydrophobic and one hydrophilic one were studied. The hydrophilic ointment was found to have good cutaneous tolerance for persons with normal cutaneous reactions, but gave weak positive reactions in allergic individuals. Physical-chemical characteristics of the ointments and the optimal proportion of the ingredients were also determined. Orig. art. has: 12 tables.

[SP: 33,500]

SUB CODE: 06/ SUBM DATE: 20Jan65/ ORIG REF: 003/ OTH REF: 014

Card 1/1

0576

0506

L 20842-60 EWP(k)/EWP(h)/EWT(d)/EWP(1)/EWP(v)

RU/0018/64/000/011/0591/0593

ACCESSION NR: AP5023535

AUTHOR: Pimsner, Victor; Popescu, Alexandru

TITLE: Some problems concerning the determination of the rotation speed of rotary machines 14 11 13

SOURCE: Constructia de masini, no. 11, 1964, 591-593

TOPIC TAGS: compressor design, supercharger, propulsion engineering, turbine compressor, internal combustion engine, internal combustion engine component

ABSTRACT: The authors describe a device for determining the rotation speed of the turbocompressors used for supercharging internal combustion engines. The apparatus is simple to construct and gives considerably greater precision of measurements than earlier methods. Orig. Art. Incl.: 3 figures, 6 formulas, and 1 table. 14 11

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: PR

NR REF SOV: 000

OTHER: 005

JPRS

GOBZHILA, A.G. [Gobjila, A.]; POZESKU, F.S. [Popescu, A.]

Preparing petroleum for refining. Izv. vys. ucheb. zast.
neft' i gaz 5 no.11:71-74 '62. (MIRA 17:6)

1. Nauchno-issledovatel'skiy institut po bureniyu i dobyche
nefti i gaza, goroda Kypina, Rumynskoy Narodnoy Respubliki.

NESTORESCO, N.; POPESCO, Al.; GEORGESCO, Colette

Identification of enteropathogenic Escherichia coli by means
of immunofluorescence. Pt.1. Arch. Roum. path. exp. microbiol.
23 no.4:997-1004 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino" et de la Chaire
de Microbiologie II de l'Institut Medico-Pharmaceutique,
Bucarest. Submitted June 27, 1964.

COVACI, St., prof. ing.; HIRIAN, C., ing.; ~~POPESCU, Al., ing.~~

Study of the physico-mechanical properties of the rocks of the Cuzap I mine in view of determining the method for directing rock pressure. Rev min 16 no.2:49-56 F '65.

APOSTOL, Leonid; POPESCU, Adrian

On the presence of *Anancus arvernensis* Croizet and Jobert at
Covrigi, Oltenia region. Truv Muz Nat 4:541-546 '63.

GURBAN, C.; BATCU, A.; CRISTEA, E.; POPESCU, A.

Medical biochemistry. Studii cerc biochimie 6 no.4:598-601 '63.

*

GURBAN, C.; BATCU, A.; CRISTEA, E.; TAMASESCU, D.; POPESCU, A.;

Animal biochemistry. Studii cerc biochimie 6 no.4:591-598 '63.

POPESCU, A.

Food biochemistry. Studii cerc biochimie 6 no.4:601 '63.

PAPIU, V., Corvin; POPESCU, A.; SERAFIMOVICI, V.; DUTU, Marcela

Geologic and petrographic research in the dolomite
Hunedoara Massif. Dari seama sed 47:323-344 '59/60
[publ. '62.].

PAPIU, V.C.; POPESCU, A.; SERAFIMOVICI, V.

Lithogenetic importance of the carbonated rocks in the epizone of
Poiana Rusca Massif. Dari seama sed 49 pt.2:53-57 '61-'62[publ. '64].

1. Submitted December 8, 1961.

GURBAN, C.; BATCU, A.; CRISTEA, E.; FURNICA, M.; POPESCU, A.

Reviews; general problems; research methods. Studii cerc
biochimie 6 no.4:585-588 '63.

POPESCU, A.

Technical biochemistry; pharmacology; toxicology.
Studii cerc biochimie 6 no.4:601 '63.

POPESCU, A., ing.; KISELEVICI, M., ing.

Improving the quality and enlarging the knitwear assortment.
Ind text Rum 12 no.9:366-370 S'61.

1. D.G.I.T.C. (for Popescu). 2. Intreprinderea "Tricotajul Rosu",
Bucuresti (for Kiselevici).

MURESAN, E., ing.; BITIR, P., ing.; POPESCU, Al., ing.; STOICESCU, M., tehn.

Combating coal dust formation by water injection in
the layer in the Petrila (Jiu Valley) and Anina mines.
Rev min 14 no.8:363-369 Ag '63.

TANASESCU, Ioan, acad. [deceased]; NGHEI, Cecilia; POPESCU, Alexandru

On the condensation of o-nitrobenzaldehyde with aniline. Pt.
5. Studia Univ B-B S. Chem 9 no. 1:89-93 '64.