

Automation of Manufacturing Processes (Cont.)

80V/3917

TABLE OF CONTENTS:

Foreword	3
I. General Problems of Automation	5
Bibliography	7
II. Control and Measuring Instruments and Computing Technique	9
Controllers, relays, transducers, and actuating mechanisms	21
III. Automated Electric Drive	25
IV. General Problems of Automation in Ferrous Metallurgy	41
V. Automation of Processes of Coal Preparation and Byproduct Coke Production	52
1. General problems	52
2. Automation of coal-preparation and beneficiation processes	53
3. Automation of the coke byproduct industry	58
VI. Automation of Blast-Furnace Processes	66
Card #/4	

Automation of Manufacturing Processes (Cont.)	80V/3917
1. Automation of material-preparation processes	66
2. Automatic control and regulation of blast-furnace processes	71
VII. Automation of Steel Production	86
1. General problems	86
2. Automation of open-hearth furnaces	88
3. Automation of arc furnaces for steel making and ferroalloy smelting	109
4. Automation of converter processes	120
5. Automation of the steel-pouring processes	122
VIII. Automation of Rolling Processes	124
1. General problems	124
2. Automation of heating furnaces for rolling mills	131
3. Elements of the automatic control systems for rolling mills	140
4. Automation of hot-rolling mills	142
5. Automation of cold-rolling mills	150
6. Automation of tube-manufacturing mills	159

Card 3/4

Automation of Manufacturing Processes (Cont.)	80V/3917	
7. Automation of auxiliary equipment for rolling mills		162
8. Automatic control of finishing lines		165
9. Automation of gaging in rolling		169
IX. Automation of Production of Metal Ware		180
X. Automation of Refractory -- Material Production		185
XI. Automation of Power Units in Ferrous-Metallurgy Plants		191
Author Index		200

AVAILABLE: Library of Congress (Z6333.A8D5)

Card 4/4

VK/pw/mas
8-22-60

DIZIK, G. Ye.

Sudan Grass

Season and methods for sowing Sudan Grass. Korm. baza, 4, No. 3, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953. UNCLASSIFIED.

COUNTRY: USSR
 CATEGORY: CULTIVABLE PLANTS, Grains. Leguminous Grains.
 TROPICAL CEREALS.
 APS. JOURN. REF. JOUR - BIOLOGIYA, NO. 4, 1959, No. 15613
 AUTHOR: Dizik, G. Yu.
 INST.: Ukrainian Academy of Agric. Sci.
 TITLE: Problem of Quotas and Methods of
 Sowing Corn with Leguminous Plants for
 Green Fodder

ORIG. IUP. : Dopovid Ukr. akad. sil'skozospod. nauk, 1958,
 No. 2, 37-40
 ABSTRACT : According to the findings of the Uman'skaya
 Agricultural Institute, the mixed sowings
 of corn with leguminous plants yield lower
 crops of green mass than do the pure corn
 sowings. The degree of plant suppression
 depends on the mixed sowing component quotas
 and the sowing dates. It is recommended that
 differentiated seeding quotas and interplant-
 ing of leguminous plants after corn sprouting
 be employed. With interplanting the
 percentage of leguminous plants (depending

CARD: 1/2

DEZIK, I.L. (Pervomaysk Nikolayevskoy oblasti)

Work of a therapeutics study group at the Pervomaysk Medical School.
Fel'd. i akush. 21 no.11:53-54 N '56. (MIRA 9:12)
(HYPERTENSION--STUDY AND TEACHING)

CHUGAY, A.D.; POLYANINOVA, N.A.; DIZIK, V.Yu.

Certain properties of rubber adhesives. Kauch. i rez. 20 no.1:47-51
Ja '61. (MIRA 14:3)

1. Kiyevskiy zavod "Krasnyy rezinshchik".
(Rubber) (Adhesives)

KANSY, Jerzy; DZIEBER, Algierd

Attempted prevention of encephalitis following smallpox vaccination. Pol. tyf. lek. 19 no.38:1450-1452 1964

1. W. Przychodźki Dzieńcelej 2 Cento. Szpit. Kliniki Wojskowej Akademii Medycznej, Warszawa (Kierownik: dr. M. Jankowski).

DIZNER, Olgierd; JESIONOWSKI, Mieczyslaw

The problem of prematurely erupted teeth in newborn infants.
Czas. stomat. 18 no.3:307-310 Mr '65

1. Z Kliniki Chorob Koblecych i Poloznictwa CSK Wojskowej
Akademii Medycznej w Lodzi (Kierownik: doc. dr. J.Higier)
i z Katedry Stomatologii 2 CSK Wojskowej Akademii Medycznej
w Lodzi (Kierownik: doc. dr. E. Korthals).

Dizso, I.

HUNGARY/Analytical Chemistry - Analysis of Organic
Substances.

E-3

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24909

Author : Almassy Gy., Dizso, I.

Inst : Hungarian Academy of Sciences.

Title : Microdetection and Colorimetric Microdetermination of
Oxalate Ions by an Activated Reaction.

Orig Pub : Acta chim. Acad. sci. hung., 1957, 11, No 1-2, 7-13

Abstract : Of a number of known redox reactions that are accelera-
ted by $C_2O_4^{2-}$ ions, of greatest sensitivity, as concerns
detection of CO ions, is the reaction of $V(5)$ with
aniline, which permits to detect 1 microgram/ml of
 CO ions. The reaction is carried out in acid medium
(at least 0.1 N in mineral acid) by adding in a test tube
to 1 ml of the solution under study 5 drops of 1 N HCl,

Card 1/3

HUNGARY/Analytical Chemistry - Analysis of Organic
Substances.

E-3

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24909

3 drops of concentrated solution of $\text{C}_2\text{H}_5\text{NH}_2 \cdot \text{HCl}$ in dilute HCl which has been decolorized with activated charcoal, and 3 drops of 0.1 N nitric acid solution of $\text{V}(\text{V})$ (a solution of V_2O_5 in a solution of NaOH which is then acidified with HNO_3). The formation within several minutes of a greenish-blue color indicates the presence of $\text{C}_2\text{O}_4^{2-}$ ions. 1000-fold amounts of cations Al , Fe , Zn , Mn , Mg , Ti , MoO_3 , Bi , UO_2 , Th , Zr , K , Na , Li , NH_4^+ , Ca , Sr and Ba , 1 mg of each of the highly colored cations of Co , Ni , Cr and Cu , and 4000-5000 fold amounts of anions of Cl , Br , SO_4^{2-} , NO_3^- and BO_3^{3-} do not interfere with the reaction, although they do slow down the reaction to some extent. PO_4^{3-} and F^- anions decrease the sensitivity of the reaction to 50 micrograms/ml. For quantitative microdetermination of $\text{C}_2\text{O}_4^{2-}$ ions use is made of the redox reaction

Card 2/3

13

COUNTRY:	: GDR	H-13
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 5 1960, No.	18782
AUTHOR	: <u>Diabaroff, N.</u>	
INST.	: Not given	
TITLE	: The Production of Light Construction Materials in Bulgaria	
ORIG. PUB.	: Silikattechnik, 10, No 7, 358-359 (1959)	
ABSTRACT	: No abstract.	

CARD: 1/1

DJACZENKO, W.

SURNAME, Given Names

3

Country: Poland

Academic Degrees: /not given/

Affiliation: /Presumed/ Ludwik Hirszfild Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doswiadczalnej Ludwika Hirszfilda), Polish Academy of Sciences (PAN--Polska Akademia Nauk), Wroclaw; Director: Prof. Stefan SLOPEK, Dr.

Source: Warsaw, Postepy Higieny i Medycyny Doswiadczalnej, Vol XV, No 4
Date: 1961, pp 441-442.

Data: "Remarks Concerning the Ultrastructure of Chrysoidin Hepatoma in Mice." English abstract of paper read at the I Conference on Pathological Anatomy in Poznan, 1960.

Authors:
ALBERT, Zygmunt
DJACZENKO, W.

GPO 981643

SURNAME, Given Names

DJACZENKO, W.

Country: Poland

Academic Degrees: ~~not given~~

Affiliation: Presumed Ludwik Hirszfeld Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doswiadczalnej im. Ludwika Hirszfelda), Polish Academy of Sciences (PAN--Polska Akademia Nauk), Wroclaw; Director: Prof. Stefan SLOPEK, Dr.

Source: Warsaw, Postepy Higieny i Medycyny Doswiadczalnej, Vol XV, No 4, 1961, pp 442-444.

Data: "Electron-Microscopy of Fibroblasts in Continuous Cultures." English abstract of paper reported at the I Conference on Pathological Anatomy, Poznan, 1960.

Authors:

KONARZYKOWA, Z.

GRONIEWSKI, J.

DJACZENKO, W.

KOWALEWSKA, D.

670 981643

DJACZENKO, Wlodzimierz; ALBERT, Zygmunt

Ultrastructure of chrysoidin-induced hepatoma. Acta med. pol. 3 no.4:
307-321 '62.

1. Department of Pathological Anatomy, Medical Academy, Poznan.
Director: Prof. Dr J.A.Groniowski Polish Academy of Sciences,
Institute of Immunology and Experimental Therapy, Department of
Experimental Oncology, Wroclaw, Director: Prof. Dr S. Slopek.
(HEPATOMA) (NEOPLASMS EXPERIMENTAL)

DJACZNEKO, A., major, inż., kandydat nauk technicznych

Lateral stability and control of airplanes. Wojsk przegl 15 no.11:
32-39 N '61.

DJACZYSZYN, H.

V

COUNTRY : POLAND
 CATEGORY : Pharmacology and Toxicology. Ganglionic Blocking Agents
 ABS. JOUR. : RZhBiol., No. 5 1959, No. 23114
 AUTHOR : Wilimowski, H.; Djaczyszyn, H.
 INST. : -
 TITLE : Action of the Derivatives of Pendiomide upon the Nerve Ganglia
 ORIG. PUB. : Arch. immunol. i terap. doswiadc., 1955, 3, 555-566
 ABSTRACT : In experiments on animals, it was established that the dibromides 3-methyl-N,N,N'-tetraethyl-3-azopentane*(I), N,N,N',N'-3-pentamethyl-N,N'-dibenzyl-3-azopentane (II) and N,N'-3-trimethyl-N,N'-dipiperidyl-3-azopentane (III) are more toxic than pendiomide (IV). The least toxic and most potently acting upon nerve ganglia proved to be III (when introduced intravenously, 8 times more potent than IV). The effect of I

*Thus in Russian abstract

Card:

1/2

COUNTRY :
CATEGORY : V
ABS. JOUR. : RZhBiol., No. 5 1959, No. 23114
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : and II is more prolonged than that of IV. In ex-
cont'd : periments with contraction of the third lid in a
cat, the most potent was III (10 times stronger
than IV). I, II and III exert more marked hypo-
tensive action than IV; they do not produce
tachyphylaxis.-- I. V. Sanotskiy

Card: 2/2

DJACZYSZYN H.

WILIMOWSKI, Marian; DJACZYSZYN, Henryka; GIELDANOWSKI, J.

Ganglionic action of heterocyclic pendiomide derivatives. Arch. immun. ter. dosw. 4:391-398 1956.

1. Instytut Immunologii I Terapii Doswiadczenj PAN we Wroclawiu
(Dyrektor: prof. dr. St. Slopek) Pracownia Farmakologiczna (Kierownik:
prof. dr J. Hano)

(PENDIOMIDE, rel. cpds.

methyl-bis-(β -N-ethyl-piperidinium-ethyl) amine, methyl-bis-
 β -N-methyl-morpholinium-ethyl) amine & methyl-bis-(β -N-methyl
-pyrrolidinium-ethyl) amine dibromides, eff. & tox.)

DJACZYNSYH, HENRYKA

WILIMOWSKI, Marian; DJACZYNSYH, Henryka; GIELDANOWSKI, Jerzy

Ganglionic action of xylilen derivatives. Arch. immun. ter. dosw.
4:407-412 1956.

1. Instytut Immunologii I Terapii Doswiadczalnej PAN we Wroclawiu
(Dyrektor: prof. dr St. Slopek) Pracownia Farmakologiczna (Kierownik:
prof. dr J. Hano)

(AUTOMIC DRUGS, eff.

p-bis(N-methylmorpholinium)xylene, p-bis-(N-methylpiperi-
dinium)xylene & p-bis-(N-methylpyrrolidinium)xylene
dibromides, eff. on autonomic ganglia)

D JACZYŹYŹYN, Henryka

WILIMOWSKI, Marian; DJACZYŹYŹYN, Henryka

Comparative studies of ganglion blocking drugs. Arch. immun. ter.
dosw. 4:413-438 1956.

1. Instytut Immunologii i Terapii Doswiadczałnej PAN we Wrocławiu
(Dyrektor: prof. dr St. Slopek) Pracownia Farmakologiczna (Kierownik:
prof. dr J. Hano)

(AUTONOMIC DRUGS

ganglion blocking agents, pharmacol. comparison)

DJACZYSZYN, HENRYKA

WILIMOWSKI, Marian; DJACZYSZYN, Henryka

Studies on the action of analeptics and circulation promoting drugs in hypothermia. Arch. immun. ter. dosw. 4:439-460 1956.

1. Instytut Immunologii i Terapii Doświadczalnej PAN we Wrocławiu (Dyrektor: prof. dr St. Slopek) Pracownia Farmakologiczna (Kierownik: prof. dr J. Hano).

(ANALEPTICS, eff.

on blood pressure in hypothermia)

(HYPOTHERMIA, exper.

eff. of analeptics & various circ. promoting drugs on blood pressure)

(BLOOD PRESSURE, eff. of drugs on

analeptics & various circ. promoting drugs in hypothermia)

MANSKI, Wladyslaw; DJACZYSZYN, Henryka; WILIMOWSKI, Marian

Effect of insulin on glyceimic curve in hypothermia. Med. dosw. mikrob.
10 no.3:367-376 1958.

1. Z Instytutu Immunologii i Terapii Doswiadczelnej im. Ludwika Hirsz-
felda.

(HYPOTHERMIA, exper.

eff. of insulin on glyceimic curve in rabbits (Pol))

(BLOOD SUGAR,

in hypothermia, eff. of insulin in rabbits (Pol))

(INSULIN, effects,

on blood sugar in hypothermia in rabbits (Pol))

DJADKOV SERGEJ

CZECHOSLOVAKIA/Radio Physics - General

I-1

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 11227

Author : Djadjkov Sergej

Inst : Not Given

Title : Timely Problems Engaged in by the Institute of Radio Engineering and Electronics of the Czechoslovak Academy of Sciences

Orig Pub : Vest. CSAV, 1957, 66, No 5-6, 276-280

Abstract : No abstract

Card : 1/1

L 01750-67 EWP(j)/T IJP(c) RM

ACC NR: AP6035627

SOURCE CODE: BU/0011/65/018/011/1019/1022

NATOV, M., DJAGAROVA, E., Research Institute of the Rubber and Plastic Industries [Original-language version not given].

"Rheological Properties of Polymer Mixtures"

52
B

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 18, No 11, 1965, pp 1019-1022

Abstract: [English article] When mixed, polymers are known to undergo changes in their physico-mechanical properties. One may expect that their rheological properties will be altered, too, and consequently, the authors studied the rheological properties of polyethylene (Celone DYNH-5) mixtures with polyisobutylene (Opanol) and with natural rubber. An analysis of the rheological index and activation energy curves shows that the main reason for the departure from the additive viscosity law is the change of the activation energy of the viscous flow of the mixtures. Since this energy depends on the mobility of the mechanical segments within the macromolecules, it is clear that this mobility, i.e., the size of the mechanical segments of the polymers undergo changes when in the mixed state.

This paper was presented by Academician D. Ivanov on 30 July 1965. Orig. art. has: 4 figures. [JPRS: 36,002]

TOPIC TAGS: polyethylene, polyisobutylene, activation energy, viscous flow

SUB CODE: 11,07,20 / SUBM DATE: 30 Jul 65 / SOV REF: 008 / OTH REF: 006

Card 1/1 pb

L 4104-66

ACC NR: AP5028876

SOURCE CODE: CZ/0042/65/000/002/0073/0084

AUTHOR: Djadjkov, Sergej (Engineer, Doctor of sciences)

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

TITLE: Solution of oscillation circuits with a nonlinear inductance or nonlinear capacitance, by the method of resonance transformations

SOURCE: Elektrotechnicky casopis, no. 2, 1965, 73-84

TOPIC TAGS: circuit theory, electric capacitance, electric inductance

ABSTRACT: [author's English summary, modified]: It is shown that the method of resonance transformations can be extended to oscillation circuits with nonlinear $L(i)$ or $C(u_c)$, and the conditions for this extension are given. From the general conditions of the phase-resonance image for the circuit response to a step function, variable scales for current and voltage are derived at which the image is circular. This is valid for the representation of the natural oscillations of a circuit with nonlinear $L(i)$ and $C(u_c)$, and for the response to a step input of a series nonattenuated circuit with a nonlinear $L(i)$ and a constant C , and of a parallel circuit, with a nonlinear $C(u_c)$ and a constant L . A formula

Card 1/2

L 4104-66

ACC NR: AP5028876

is derived for the instantaneous value of a variable angular frequency as a function of the instantaneous values of current and voltage scales. A method is given for determining the nonlinear circuit's response to an arbitrary input, and formulas are presented for resonance transformations in the case of nonlinear circuits. The work was presented by L. Gvozdkak. Orig. art. has: 8 figures, 32 formulas. [JPRS]

SUB CODE: EC, EM / SUBM DATE: 02Apr64 / ORIG REF: 007 / OTH REF: 002

BVK

Card 2/2

L 21323 66 EWA(h.)

ACC NR: AP6010917

SOURCE CODE: CZ/0039/65/026/010/0607/0614

AUTHOR: Pokorny, Jiri; Djadkov, Sergej

27
B

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

TITLE: Tandel, a nonlinear lossy capacitor *js*

SOURCE: Sloboproudny obzor, v. 26, no. 10, 1965, 607-614

TOPIC TAGS: electric capacitor, RC circuit, temperature dependence

ABSTRACT:

A method is derived for determining the RC parallel equivalent circuit of a nonlinear lossy capacitor, and relations are formulated for its quality factor and some additional basic properties, from the time response of voltage and current. The properties of a triglycine-sulphate tandel are investigated on the basis of the theory derived in this manner. The RC equivalent circuit of the tandel has a validity limited only for the time response of the voltage on the basis of which the circuit was constructed. The tandel is a markedly nonlinear element, especially at low frequencies. Its power loss is high, and its quality factor is always less than 4. The dependence of the investigated properties on the ambient temperature is considerable. Orig. art. has: 10 figures, 26 formulas, and 2 tables. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: 18Mar65 / ORIG REF: 008 / OTH REF: 004

Card 1/1 *js*

UDC: 621.319.4

L 42237-66

ACC NR: AP6031560

SOURCE CODE: CZ/0039/65/026/008/0453/0458

36
B

AUTHOR: Djadkov, Sergej (Engineer; Doctor)

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

TITLE: Determining the response of nonlinear oscillation circuits by the method of partial phase resonance images

SOURCE: Slaboprouty obzor, v. 26, no. 8, 1965, 453-458

TOPIC TAGS: electronic circuit, electric inductance, electric capacitance

ABSTRACT: The article describes the method of partial phase resonance images for determining the waveform of natural oscillations and the response of series oscillation circuits to random input voltages as well as the response of parallel oscillation circuits to input current. The method is suitable for series circuits with a nonlinear inductance and a constant capacitance as well as for parallel circuits with a nonlinear capacitance and a constant inductance. When this method is used, the $\phi(i)$ and $q(u_c)$ responses are approximated by using responses with rectilinear sections and the entire complex phase plane is divided into regions with constant inductance and capacitance according to those responses. The respective section of phase resonance image in the pertinent current and voltage scales can be determined for every image. The solution of this problem with equipment for drawing resonance images is described. Orig. art. has: 10 figures and 4 formulas. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: 08Sep64 / ORIG REF: 004

Card 1/1

UDG: 621.396.611

0719 0275

YUGOSLAVIA

KLINC, L. and DJAJA, A. [Affiliation not given.]

"Vitamins in the Nutrition of Rural Population of Serbia."

Belgrade, Arhiv za farmaciju, Vol 12, No 6, 1963; pp 521-523.

Abstract : Data from surveys in 142 villages with 2691 households: vitamins A, B₁, C, PP; γ and β carotenes. Generally conditions are adequate except for the seasonal drop of vitamin C. Cooking losses were not considered. Three tables.

1/1

DJOKOVIC, Jelena, asist. dr.; DJAJA, Milutin, dr.

Surgical fixation of two cases of congenital dislocation of the hip. Srpski arh. celok lek. 82 no.9:1144-1149 Sept 54.

1. Decja hirurska klinika Medicinskog fakulteta u Beogradu, .
upravnik prof. dr. Dimitrije Jovicic.

(HIP, dislocation
congen., surg. fixation)

(DISLOCATION
hip. congen., surg. fixation)

DJAJA, Milutin; POPOVIE, Sreten

A case of echinococcosis of the spleen in a 12-year old girl.
Med. pregl., Novi Sad 8 no.4:246-249 1955.

1. Decja hirurska klinika Medicinskog fakulteta Beograd.
Upravnik: prof. dr. Dimitrije Jovcic.

(ECHINOCOCCOSIS,

spleen in child, surg., splenectomy (Ser))

(SPLEEN, dis.

echinococcosis, surg., splenectomy in child (Ser))

JOVCIC, D.; DJAJA, M.

Primary carcinoma of liver in children. Srpski arh. celok. lek.
84 no.9:1072-1075 Sept 56.

1. Decja hirurska klinika Medicinskog fakulteta u Beogradu
Upravnik prof. dr. Dimitrije M. Jovicic.
(LIVER, neoplasms
primary in child. (Ser))

[YUGOSLAVIA

Ljiljana BAJIC, Milutin DJAJA and Petar MILJKOVIC, Pediatric Surgical Clinic of Medical Faculty (Klinika za decju hirurgiju Medicinskog fakulteta), Head (upravnik) Prof Dr Dimitrija JOVICIC, University of Belgrade.

"Pulmonary Hemangioma in a Child."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No 7-8, July-Aug 1962: pp 753-756.

Abstract [German summary modified]: Asymptomatic pulmonary hemangioma found by mass radiographic screening was successfully excised in an 11-year-old girl. Histologic diagnosis was hemorrhagic pulmonary infarct. Excellent recovery.

DJAJA, S.^{J.} prof. dr.; DANILOVIC, M., asistent mr.

Modern pharmacy and authors' views on Yugoslav pharmacy. Arh. farm.,
Beogr. 4 no.1:22-27 Feb 54.

1. Referat održan na VII. god. skupštini farm. društva NRS, Beograd,
febr. 1954 g.)

(PHARMACY
in Yugosl.)

DJAJA, S.J.

~~.....~~
Further considerations on studies. Arh.farm.Beogr. 4 no.6:177-182
Dec. '54.

(PHARMACY, education,
in Yugosl.)

RASOVIC, Ljubomir; DJAJA, Vera; VUJOSEVIC, Milcrad; ISVANESKI, Milorad

Pulmonary fibroma. Srpski arh. celok. lek. 90 no.6:589-598
Je '62.

1. II hirurska klinika Medicinskog fakulteta Univerziteta u
Beogradu Upravnik: prof. dr. Vojislav Stojanovic. Patoloski
institut Medicinskog fakulteta Univerziteta u Beogradu
Upravnik: prof. dr. Zivojin Ignjacev.
(LUNG NEOPLASMS) (FIBROMA)

S

YUGOSLAVIA

Ljubomir RASOVIC, Vera MAJA and Milorad VIJOSEVIC, Second Surgical Clinic (II hiruracka klinika) Head Prof Dr Vojislav STOJANOVIC, Medical Faculty of University of Belgrade.

"Benign Pulmonary Tumors."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No 11, Nov 62; pp 1039-1049.

Abstract [German summary modified]: Discussion of published data, and review of authors' cases: 1 each of pulmonary fibrolipoma, chondroma, adenoma, 2 pulmonary fibromas and an endobronchial adenoma. Six case reports, 22 Western and 2 Yugoslav (both "in press") references.

1/1

DJAJA-TABAKOVIC, Vera; LAZAREVSKI, Momcilo; ERSOV, Vlada

Echinococcosis of the thyroid gland. Med. pregl. 18 no.1339-41
'65.

1. II hirurska klinika Medicinskog fakulteta Univerziteta u
Beogradu (Upravnik: Prof. dr. Vojislav K. Stojanovic).

DJAKOV, [REDACTED]

see also DZHAKOV, [REDACTED]

DJAKOV, Viktor

DJAKOV, Viktor, pukovnik, dr.

Linguistic clarity and diction of scientific reports. Voj. san.
pregl., Beogr. 11 no.3-4:129-131 Mar-Apr 54.

(NOMENCLATURE

*Yugosl.)

DJAKOV, Viktor, pukovnik dr.

Functional treatment of impaired movement of extremities in the
Pancevo Hospital for wounded from 1944-1946. Voj. san pregl.,
Beogr. 11 no.11-12:570-575 Nov-Dec 54.

(CONTRACTURE, ther.

phys. & occupational ther. in army personnel)

(PHYSICAL THERAPY, in various dis.

contracture & ankylosis in army personnel)

(JOINTS, dis.

ankylosis, phys. & occupational ther. in army personnel)

(ARMED FORCES PERSONNEL, dis.

contracture & ankylosis, phys. & occupational ther.)

YUGOSLAVIA

DJOKOVIC, Jelena, Dr, POPOVIC, Sreten, Dr; Department for Pediatric Surgery, Faculty of Medicine, University of Belgrade (Head: JOVCIC, Dimitrije, Dr, prof.) (Decja hirurska klinika Medicinskog fakulteta Univerziteta u Beogradu), Belgrade.

"Ileus of Diverticular Origin"

Belgrade, Srpski arhiv za celokupno lekarstvo, Vol 93, No 9
Sep 65, pp 839-842.

Abstract: Treatment of ileus of diverticular origin was successful due to modern anaesthesiology. A preoperative diagnosis of ileus of diverticular origin is difficult and is established only with operation. The authors applied various operative methods, depending on the type of ileus and the general condition of the patient. The delicacy of ileus diagnosis, especially of this type, requires the close cooperation of pediatricians and the pediatric surgeons. 9 Yugoslav, 6 Western references.
Manuscript received 15 April 65.

YUGOSLAVIA:

STEFANOVIC, Djurica; DJORDJEVIC, Liubinko; JOVASEVIC, Angela and NIKOLIC, Dusan; Department of Obstetrics and Gynaecology, General Hospital (Ginekolosko-akusersko odeljenje Opste bolnice), Head (Upravnik) Dr Djurica STEFANOVIC; and Department of Surgery, General Hospital (Hirursko odeljenje Opste bolnice), Head (Upravnik) Prim Dr Dragoljub DJURKOVIC, Kraljevo.

"Ligature of the Inferior Vena Cava in an Ilio-Femoral Thrombophlebitis in Pregnancy."

Belgrade, Srpski Arhiv za Tselokupno Lekarstvo, Vol 93, No 4, Apr 1965; pp 409-412.

Abstract [English summary modified]: Report on young primipara at term with extremely severe leg thrombophlebitis, refractory to anti-coagulant and antibiotic treatment, requiring eventual surgery with complete recovery after a stormy course and 57 days' hospitalization. Graph, 8 Yugoslav and 10 Western references; manuscript received 6 Feb 64.

1/1

DJAKOVIC, BOGDAN.

TECHNOLOGY

DJAKOVIC, BOGDAN. Yugoslavia's non-ferrous metals. Beograd, Jugoslavijska, 1958.
22 p.

Monthly List of East European Accessions (EMAI) L3, Vol. 8, no. 3
March 1959 Unclass.

DJAKOVIC, B.

Distance between drainage pipes. Gradevinar 16 no.5:201-202
My '64.

Consultations on the research in the field of drainage and
rinsing of salinized soils. Gradevinar 16 no.5:202-203 My '64.

DJAKOVIC, Branko, inz. (Zagreb)

Problem of detailed drainage. Gradevinar 16 no.6:211-213 Je '64.

MILOJEVIC, B.D.; FILIPOVIC-MOSKOVljeVIC, V; DJAKOVIC, Desanka

Relation between the nature and the position of the queen and the changed structure of bee colony. Bul so nat SANU 32 no.9:31-44 '63.

Dependence of ... the society on the place of queen's life. Ibid.:45-49

Role of out-of-function queen in a colony of a constant number of bee workers of different age. Ibid.:51-54

Queen substance and the mechanism of queen effect in honeybee colony. Ibid.:55-61

1. Submitted March 31, 1961.

STANKOVIC, Ivan; DIJKOVIC, Sinisa

Carcinoma of the lacrimal sac. Srpski arh. celok. lek. 92
no.17:1119-1123 N'64.

1. Klinika za bolesti ociju Medicinskog fakulteta Univerziteta
u Beogradu (Upravnik: prof. dr. Ivan Stankovic).

DJALDETTI, A. [Dzhadeti, A.]; BOYADJIKVA, M. [Boiadzhieva, M.]

Toward a precise methodological definition of mental diseases
and related problems. Folia med. (Plovdiv) 6 no.2:104-107 '64

1. Institut de Hautes Etudes Medicales "I.P.Pavlov" de Plovdiv,
Bulgarie (Directeur: prof. K. Tcholakov [deceased] et Institut
de Hautes Etudes Medicales de Sofia, Bulgarie (Directeur. acade-
micien G. Ouzounov [Uzunov.G.]).

TOSHKOV, A.; DJAMBAZOV, P.

Postnatal use of penicillin and its effect on colienterocolitis
in guinea-pigs. Dokl. Bolg. akad. nauk 16 no.3:333-335 '63.

(ESCHERICHIA COLI INFECTIONS)
(ENTEROCOLITIS, ACUTE)
(PENICILLIN) (ANIMALS, NEWBORN)

KHASHEGANU, Mikhail [Haseganu, Mihail], prof.; GIKA, G. [Chica, G.];
KHOLAN, A. [Holan, A.]; SYMBOAI, S. [Simboan, S.]; MCKANU, K.
[Mocanu, K.]; MUNTIANU, T. [Munteanu, T.]; ALEKSANDRU, D.
[Alexandru, D.]; IOVENESCU, M. [Iovinescu, M.]; DZHAMO, N.
[Djamo, N.]; KCZHEVNIKOVA, Ye.V. [translator]; KORMANOV, Yu.F.
[translator]; LEONOV, V.N. [translator]; MOZHAROV, N.D.
[translator]; ZHIRMUSNKIY, M.M., red.; TOPORKOV, G.N., red.;
YANKOVICH, O.Yu., doktor, red.; BELEVA, M.A., tekhn. red.

[The economic geography of the Rumanian People's Republic]
Ekonomicheskaiia geografiia Rumynskoi Narodnoi Respubliki.
Kniga napisana kollektivom avtorov pod rukovodstvom Mi-
khaila Khasheganu. Moskva, Izd-vo inostr. lit-ry, 1961.
551 p. Translated from the Rumanian. (MIRA 15:4)
(Rumania--Economic geography)

PASKOV, D., prof. dr., IOVCHEV, A.; DJAROV, D.; MIZOV, V.; VLACHOV, V.

Pharmacologic action of a new group of synthetic compounds and the connection with their chemical structure. Nauch. tr. vissh. med. inst. Sofia 43 no. 4-14 '64

1. Chair of Pharmacology of HMI, Sofia (Director: Prof. D. Paskov).

DJELNIS, F.

Checking rotors of generators and electric starters. p. 436
VOJNO-TEHNICKI GLASNIK. Beograd. Vol. 4, no. 6, June 1956

SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 5, no. 12, December 1956

Plant Genetics

BULGARIA

DJELERCV, K., CHAVDAROV, G., Institute of Wheat and Sunflower, General
Toshevo, Bulgaria

"Inducing Dominant Mutations of Type Compactum and Spelta in Triticum
Aestivum L. Emend Thell. Ssp. Vulgare With EMS"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 20, No 1, 1967, pp 57-60

Abstract: [English article] It is known that the species of the hexaploid
group of wheat are of mutational origin. During the winter of 1965 the
authors subjected seeds of Triticum aestivum ssp. vulgare var. Lutescence
of the Bezostaya 1 variety to ethylmethanesulphonate in concentrations of
0.1, 0.2, 0.4, and 0.6%. Ten ml of solution was provided per 100 seeds.
After wetting with the solution, they were held in a thermostat at 25 °C
for 24 hours and were stirred every 2 or 3 hours. The seeds were then rinsed
with running water for 10 to 15 minutes and were sown immediately. The
paper describes the new dominant mutations of compactum and spelta types
obtained and gives their morphological characteristics. References:
1 Soviet and 10 Western. (Manuscript received, 5 Sep 66.)

1/1

22(4)

YUG/1-59-1-59/67

AUTHOR: Djenadić, Milan, Analyst for Quotas and Production Studies (Kranj)

TITLE: Technique of Time Recording - Determining Working Quotas - Practical Work of the Quota Controller in a Plant

PERIODICAL: Tehnika, 1959, Nr 1, pp 167-172 (YUG)

ABSTRACT: Since many Yugoslav plants have not yet introduced a realistic method for setting up quotas, the author describes in detail the theory of quota determination, based on time study, and the work and duties of a quota controller in a plant. The work of the quota controller is closely connected with that of workers, planners and other personnel employed in production. The quota controller will be called upon on various occasions, such as the production of a new article, introduction of a supplementary

Card 1/3

YUG/1-59-1-59/67

Technique of Time Recording - Determining Working Quotas -
Practical Work of the Quota Controller in a Plant

process into the standard process of an article, objections of the plant management to the existing quotas, purchase of new equipment, change of tools, change of working conditions, change of technological process, setting up of standard quotas, collecting data on the efficiency of individual equipment and machinery, revision of existing quotas and calculation of work productivity. Setting up a realistic quota for a production process requires, first, a detailed discussion with the foreman who will be able to inform the controller on various pertinent details and, secondly, time recording of the work process with special attention to workers' skill, reflexes, alertness and dexterity in handling equipment. On the basis of a complex table of time data, an analytical calculation of the factors influencing

Card 2/3

YUG/1-59-1-59/67

Technique of Time Recording - Determining Working Quotas -
Practical Work of the Quota Controller in a Plant

the yield of work can be made. A practical example of a quota set for an assembly operation is described in the article. The author emphasizes that there is only one system for determining quotas, i.e. the system based on time recording and synthesis of results, and invites questions from readers who desire more details on this theory. There are 5 tables and 1 schematic diagram.

ASSOCIATION: Fabrika (Plant) "Iskra", Kranj.

SUBMITTED: June 2, 1958.

Card 3/3

DJENDOV, C.

"Nutrition with manganese and fertilizers applied to plants"
by R.A.Vlasiuk. Reviewed by C.Djendov. Studii cere biol veget
15 no.4:541 '63.

DJENDOV, C.

"Physiological characteristics of agricultural plant nutrition with microelements." Reviewed by C.Djendov. Studii cerc biol veget 15 no.4:542 '63.

DjERASIMOVIC, B.

Djerasimović, B. Beitrag zur Untersuchung der Per-
ron'schen Modularfunktion $M(\gamma)$ einer Irrationalzahl.
Bull. Soc. Math. Phys. Serbie 6 (1954), 86-92. (Serbo-
Croatian. German summary)

Perro's function $M(\gamma)$ is defined as follows. Let γ be
any irrational and let A_n/B_n be the n th convergent to the
regular continued fraction of γ . The numbers λ_n defined
by

$$\left| \gamma - \frac{A_n}{B_n} \right| = \frac{1}{\lambda_n B_n^2} \quad (n=0, 1, 2, \dots)$$

have a limit superior as $n \rightarrow \infty$, which is denoted by
 $M(\gamma)$. Any other irrational γ' equivalent to γ in the sense
that $\gamma' = (a\gamma + b)/(c\gamma + d)$ ($ad - bc = 1$) is such that $M(\gamma') =$
 $M(\gamma)$. The author is concerned with the limit points of
 $M(\gamma)$. He shows first that every integer greater than 2 is
such a limit point, as are also infinitely many rational
numbers. At such points ρ the numbers γ for which
 $M(\gamma) = \rho$ have the power of the continuum. The same is
true of certain cases in which ρ is a quadratic surd.
Every integer greater than 3 is a limit point of such
points ρ .

D. H. Lehmer (Berkeley, Calif.)

$\lambda = P/Q$
 $\lambda = P/Q$

2

Handwritten signature

Dierasimović Božidar. Beitrag zur Theorie der regel-
mäßigsten Kettenbrüche. Math. Z. 52 (1955), 320-329.

The author introduces a set of symbols to express certain operations on ordered n -tuples of numbers. For example: if $A = a_1, \dots, a_n$ then $A' = a_1, \dots, a_1$; $A'' = a_1, \dots, a_n, A' = a_1, \dots, a_{n-1}$. The purpose of this notation is to facilitate the derivation of results in the theory of regular continued fractions. New proofs for classical results as well as for some recent theorems due to Steurwald [Math. Z. 52 (1950), 686-697; MR 12, 393] are then given using this new symbolism. *W. J. Thron.*

Don
1954

7000000, B
KATIC, Relja V.; MRSEVIC, Slavka; DJILESKI, Borislav

Possible extraction of collagenase by splitting bacteria *Welchia perfringens*. Srpski arh. celok. lek. 84 no.11:1235-1238 Nov 56.

1. Bakterioloski institut Medicinskog fakulteta u Beogradu.
Upravnik: prof. Milutin Djuricic.

(PROTEASES,

collagenase by splitting *Clostridium perfringens* (Ser))
(CLOSTRIDIUM PERFRINGENS,

splitting in extraction of collagenase (Ser))

DJINIC, M.

Some problems of the international highway transport. Medun transp
8 no.5:357-359 My '62.

DJINIC, M.

Organization of street traffic in Yugoslavia. Medun transp 9 no.5:
369, 372-373 My '63.

SIMIC, B.S.; BODICEVIC, J.; ATANACKOVIC, V.; DJIVANIVIC, B.; JEVTIC, S.;
MARINKOVIC, M.; BAKIC, V.; RASIC, M.; MANDIC, M.; Statisticka
spoluprace: TODOROVIC, P.

Effect of vitamin and trace element supplements on the health
and work productivity of workers in the steel industry. Cesk.
gastroent. vyz. 19 no.5:282-289 J1 '65.

1. Federativni ustav verejneho zdravotnictvi a Ustav hygieny
lekarske fakulty university v Belehrade.

L 61742-65 EWT(d) IJP(c)

ACCESSION NR: AP5016902

PO/0097/65/006/001/0083/0089

AUTHOR: Djodjo, B. A. (Belgrade)

16

TITLE: On eigenvalues of linear systems damped proportionally

15

13

SOURCE: Proceedings of vibration problems, v. 6, no. 1, 1965, 83-89

TOPIC TAGS: differential equation, eigenvalue, damping

ABSTRACT: An undamped system has equation

$$-m \frac{\partial^2 q}{\partial t^2} - L(S, q) = 0, \quad (1)$$

where $m \frac{\partial^2 q}{\partial t^2}$ is inertial and $L(S, q)$ is the internal restoring force of the form

$$L(A_1, A_2) = \sum_{k=r}^{k=i} \left\{ \sum_c \left[\sum_s \left(C_{kcs} \frac{\partial^{r-k} A_1}{\partial x^{a_1} \partial y^{b_1} \dots} \right) \frac{\partial^k A_2}{\partial x^{a_2} \partial y^{b_2} \dots} \right] \right\}. \quad (2)$$

The equation of the corresponding viscously externally and internally damped system is

$$-m \frac{\partial^2 q}{\partial t^2} - L(S, q) - s \frac{\partial q}{\partial t} - L\left(u, \frac{\partial q}{\partial t}\right) = 0. \quad (3)$$

The author determines formulas for eigenvalues of system (3), from which the Card 1/2

L 61742-65

ACCESSION NR: AP5016902

eigenvalues of system (1) are computed under certain boundary conditions. Orig. art. has: 1 table and 25 formulas.

ASSOCIATION: Belgrade Institute of Mechanical Engineering

SUBMITTED: 04May64

ENCL: 00

SUB CODE: MA, AS

NO REF SOV: 000

OTHER: 001

Card 2/2 *llp*

L 32213-66 INWP(t)/ETI LJP(c) ID
ACC NR: AP6020810

SOURCE CODE: BU/0011/65/018/006/0525/0528

AUTHOR: Ivanov, S.; Djoglev, D.; Stefanov, D.; Danchev, I.; Petzov, P.; Janachkova, I.; Bizheva, L.

ORG: Institute of Physics, BAN

49
B

TITLE: Some properties of thermistors made of three-compound oxide systems

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 6, 1965, 525-528

TOPIC TAGS: thermistor, semiconductor research, admixture, x-ray analysis

ABSTRACT: Thermistors are usually made of oxide mixtures (see, e.g., N. P. Potapov, Tr. Odessk. gidro-meteorol. i-ta, 37, 1956, No. 8; M. Ya. Kushnerev, V. P. Linde, S. Z. Roginskiy, FTT, III, 1961, No. 2, 384). The present paper describes the production of three-component $MnO_2-Ni_2O_3-CO_2-O_3$ and $MnO_2-Ni_2O_3-ZnO$ systems whose properties may be altered by small admixture activation. In addition to the Volt-Ampere and temperature characteristics of the system, the authors present also comprehensive results of X-ray structural analysis of the various semiconductors produced and the distribution of metallic admixtures within the spinel structures. This paper was presented by Academician G. Nadjakov on 23 February 1965. Orig. art. has: 2 figures and 2 tables. [Orig. art. in German] [JPRS]

SUB CODE: 09, 07/ SUBM DATE: 23Feb65 / ORIG REF: 004/ SOV REF: 003

45
Card 1/1

TELEKI, G.; DJOKIC, M.; GRUJIC, R.

Observations with the 110 mm zenithal telescope of the Latitude
Service of the Observatory. Old program. Bul Obs Beograd. 25
no.2:56-60 '63.

TELEKI, G.; GRUJIC, R.; DJOKIC, M.

Observations with the 110 mm zenithal telescope of the
Latitude Service of the Observatory. New program. Bul Obs
Beograd 25 no.2:49-55 '63.

DJINLESKI, G.B.

Fecal types of *Clostridium perfringens* causing food poisoning and their diagnosis. Glasn. Hig. inst., Beogr. 6 no.1-2:52-58 Jan-June 57.

(CLOSTRIDIUM PERFRINGENS, infect.
food pois., diag. (Ser))

(FOOD POISONING, etiol. & pathogen.
Clostridium perfringens, diag. (Ser))

MEMO, B.S.; ATANACKOVIC, V.B.; DJIVANOVIC, B.B.; BABIC, B.J.

Kwashiorkor in Kosmet. Higijena, Beogr. 9 no.2-3:110-124 1957.
(KWASHIORKOR, epidemiol.
in Yugosl. (Ser))

SEVARLIC, B.; TELEKI, G.; PETOVIC, Z.; DJOKIC, M. [Dokic, M.]

Observations by zenithal telescope of 110 mm. of the Latitude
Service of the Observatory. Bul Obs Beograd 24 no.1/2:2-3 '59.
(published 1960) (EEAI 9:9)
(Yugoslavia--Astronomy)

SEVARLIC, B. M.; TELEKI, G.; PETOVIC, Z.; DJOKIC, M. [Dokic]

Observations with the 110 mm. zenith telescope at the Latitude Service
of the Observatory of Belgrade. Bul Obz Beograd 24 no.3/4:6 1959
(pub. '60) (EEAI 10:9)

(Astronomy) (Telescope) (Latitude)

7 Preparation of some imino- and cyanoimino-substituted barbiturates. D. M. Dvornik, S. M. Djokic, and P. Hammet (1954) (in English).—Condensations of substituted esters (I) of $\text{CH}_2(\text{CO}_2\text{H})_2$ and $\text{NCCH}_2\text{CO}_2\text{H}$ with urea, $(\text{H}_2\text{N})_2\text{C}=\text{NH}\cdot\text{HNO}$, (II) and $\text{H}_2\text{NC}(\text{NH})\text{NHCN}$ (III) were effected by gradually adding MeONa to the reaction mixt. The resulting substituted imino and cyanoimino barbituric acids (IV) were hydrolyzed to the corresponding barbituric acids. General procedure: A soln. of MeONa (from 0.22 g.-atom Na) in 100 ml. MeOH was gradually added to a boiling suspension of 0.1 mole I and 0.15 mole urea, resp. III, during 6-8 hrs., refluxed 3 hrs., evapd. to dryness, dissolved in 100 ml. H_2O , extd. with 40 ml. Et_2O and decolorized. After acidification with 15% HCl under cooling and stirring, the ppt. was filtered off and washed with H_2O . The hydrolysis was effected by boiling 0.1 mole IV 7-18 hrs. with 13 ml. 25% H_2SO_4 . II (1.6 mole) was used per mole of I, and the MeONa soln. was prepd. from 3.15 g.-atom Na in corresponding excess of MeOH . The following IV were prepd. (substituents given): 5-(1-cyclohexen-1-yl)-5-methyl-4-imino, m. 247-54° (decompn.) (melting points decid. on Köhler micro app. unless otherwise stated), 68.4% yield; 5-(1-cyclohexen-1-yl)-5-ethyl-4-imino, m. 259-62° (decompn.), 81.7% yield; 5-(1-

cyclohexen-1-yl)-5-methyl-2,4-diimino, m. 245-53° (decompn.), 70.4% yield; 5-(1-cyclohexen-1-yl)-5-ethyl-2,4-diimino, m. 248-53° (decompn.), 89% yield; 5-phenyl-2-imino, m. 333-6° (decompn.), 86% yield; 5-phenyl-5-methyl-2-imino, m. over 360° (decompn.) (uncorr.), 88% yield; 5-phenyl-5-ethyl-2-imino, m. 313-15° (decompn.), 93.5% yield; 5-(1-cyclohexen-1-yl)-5-methyl-1-cyano-2,4-diimino, m. 266-72° (decompn.), 85.6% yield; 5-(1-cyclohexen-1-yl)-5-ethyl-2,4-diimino, m. 253-6° (decompn.), 87% yield; 5-phenyl-1-cyano-2-imino, m. 280-93° (decompn. from 259°), 79.5% yield; 5-phenyl-5-methyl-1-cyano-2-imino, m. 236-41° (decompn.), 89.6% yield; 5-phenyl-5-ethyl-1-cyano-2-imino, m. 220-5° (decompn.), 86% yield. By hydrolysis, the following barbituric acids were prepd. (yields not stated): 5-(1-cyclohexen-1-yl)-5-methyl, m. 205-10° (uncorr.); 5-(1-cyclohexen-1-yl)-5-ethyl, m. 175-0° (uncorr.); 5-phenyl, m. 250° (decompn.); 4-phenyl-5-methyl, m. 225°; 5-phenyl-5-ethyl, m. 177° (uncorr.).

E. Guštak

②

DJ OK/10.11

S

Note on the preparation of some thiobarbiturates. D. M. Tivronik and S. M. Djokic ("Elixir", Zagreb, Yugoslavia) *Arhiv. kem.* 26:116-16 (1954) (in English). The same technique as described in the preceding abstr. was used for prepn. of the following 2-thiobarbituric acids: 5-(1-cyclohexen-1-yl)-5-methyl-4-imino, m. 235-7° (decompn.), 63% yield; 5-(1-cyclohexen-1-yl)-5-methyl, m. 171-3°; 5-(1-cyclohexen-1-yl)-5-ethyl-4-imino, m. 220-8° (decompn.), 50.8% yield; 5-(1-cyclohexen-1-yl)-5-ethyl, m. 182-6°; 5-phenyl, m. 254°, 81.8% yield; 5-phenyl-5-methyl, m. 212-13°, 64% yield; 5-phenyl-5-ethyl, m. 318-20°, 76.6% yield.
E. Gustak

①

DJOKIC, S. M.

YUGOSLAVIA/Organic Chemistry - Synthetic Organic Chemistry.

G-2

- Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21447

Author : S. Djokic, R. Seiwert

Inst :

Title : To the Preparation of 4-(pyrrolidyl-2)-butyric Acid, 5-(pyrrolidyl-2)-valeric Acid and 1-azobicyclo-[0,3,5]-decane.

Orig Pub : Croat. chem. acta, 1957, 29, No 2, 97-100

Abstract : $\text{Br}(\text{CH}_2)_3\text{CH}(\text{Br})(\text{CH}_2)_n\text{COOC}_2\text{H}_5$, where $n = 3$ (II) and $n = 4$

(III) were prepared of ethyl ester (EE) of 4-(tetrahydrofuryl-2)-butyric acid (I) and EE of 5-(tetrahydrofuryl-2)-valeric acid with the action of HBr; by heating with NH_3 containing alcohol, II and III were transformed correspondingly into EE of 4-(pyrrolidyl-2)-butyric acid (IV, acid - IVa) and EE of 5-(pyrrolidyl-2)-valeric acid (V, acid - Va). 6 gr of I in 15 mlit of absolute alcohol is saturated

Card 1/3

YUGOSLAVIA/Organic Chemistry - Synthetic Organic Chemistry.

G-2

- Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21447

simultaneously at the fractionation of V. VI is also prepared by heating V (220°, 2 hours), melting point 162 to 165° (after sublimation in vacuo). VI when heated with dilute HCl transforms into Va hydrochloride, and is reduced into 1-azabicyclo- $\sqrt{0,3,5}$ -decane under the action of LiAlH₄, melting point 211 to 213° (from benzene).

Card 3/3

DJORDJEVIC, Slobodan; DJOKOVIC, Caslav

Treatment of Laryngeal cancer in our practice. Med. pregl. 17
no.10:551-555 '64.

1. Otorinolaringoloska klinika Medicinskog fakulteta u Beogradu
(Upravnik: Prof. dr. Srecko Podvinec); Radioloski institut Medi-
cinskog fakulteta u Beogradu (Upravnik: Prof. dr. Bogoljub
Bosnjakovic).

STEFANOVIC, Bozidar; SAVIC, Dragoslav; DJOKOVIC, Caslav.

Rare localizations of sinus and head osteomas. Med. pregl.
18 no. 5:171-175 ' 65.

1. Otorinolaringoloska klinika Medicinskog fakulteta Uni-
verziteteta u Beogradu (Upravnik: Prof. dr. Srecko Podvinec).

MITRINOVIC, D.S.; DJOKOVIC, D.Z.

Properties of a cyclic matrix and its application. Publ Inst
math SANU 2(16):52-64 '62 [publ. '63].

1. Membre du Comite de redaction, "Publications de l'Institut
mathematique" (for Mitrinovic).

DJOKOVIC, Dragomir Z.

A remark on the paper of I. Raitchinova: "On a Polya
Theorem." Publ Inst math SANU 3:41-42 '63.

DJOKOVIC, Dragomir Z.

A theorem of semigroups of linear operators. Publ Inst
math SANU 3:129-130 '63.

DJOKOVIC, D.Z. (Belgrade)

Generalization of a result of Aczel, Ghermanescu and Hosszu.
Mat kut kozl MT4 9 Series A no.1/2:51-59 '64.

DJOKOVIC, Jelena, asist. dr.; DJAJA, Milutin, dr.

Surgical fixation of two cases of congenital dislocation of the hip. Srpski arh. celok lek. 82 no.9:1144-1149 Sept 54.

1. Decja hirurska klinika Medicinskog fakulteta u Beogradu, ,
upravnik prof. dr. Dimitrije Jovicic.

(HIP, dislocation
congen., surg. fixation)

(DISLOCATION
hip. congen., surg. fixation)

DJOKOVIC, Ljubomir; DJORDJEVIC, Radomir

Actinomycosis of the face and of the jaws. Srpski arh. celok.
lek. 84 no.2:251-256 Feb 56.

1. Stomatohiruska klinika Stomatoloskog fakulteta u Beograd..
Upravnik: prof. dr. Ljubomir Djokovic.

(ACTINOMYCOSIS,
face & jaws (Ser))
(FACE, dis.
actinomycosis (Ser))
(JAWS, dis.
same)

DJONLAGIC, S.

Djonlagic, S. Consolidation work on the Jablanica Hydrocentral Dam. p.28

SO: Monthly List of East European Accessions List (EEAL) LC, Vol 4, No. 11
November 1955, Uncl.

Country :	Yugoslavia	4-34
Reference :		
Doc. Ident. :		45187
Author :	Anseljevic, M.; Jovanovic, R.; Djurdjecka, B.	
Title :	Impairment of Woolens and Wool-Containing Fabrics During Finishing Processes	
Publ. Ref. :	Tekstil, 1978, 13, 2, 4, Hem. ind., 12, 10 0.	
Summary :	During the process of washing of woolen and mixed fabrics an alkali treatment can damage, if the recommended procedure is not followed, the wool fibers by cleavage of salt linkages, cystine linkages, and hydrogen bonds, followed by aggregation of reprecipitated chains and also the cellulosic fibers (swelling, bleaching (particularly when oxidizing agents are used) can also bring about a breakdown of the fibers. -- A. Matetskiy.	
Card:		

~~DZHYURDZHEVICH~~
DJORDJEVIC

JUGOSLAVIA(SERBO-CROATIA)/Cultivated Plants - Fruits. Berries. L-6

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69369

Author : Dzhyurdzhevich

Inst :

Title : Sensitivity of Different Species of Apple and Plum Trees to Winter Frosts.

Orig Pub : Arhiv poljoprivredne nauke, 1956, 9, No 23, 49-60

Abst : In an experimental nursery of the scientific-experimental agricultural institute (Petch, Yugoslavia) during 1953-1954, which was distinguished by a severe winter (air temperatures fell to -22°), the winter resistance of 145 apple tree varieties and 51 plum tree varieties were studied. Serving as stock trees for apples were seedlings of *Malus silvestris*, and for plums-- *Prunus cerasifera*. 43 species of apples were resistant to frost, among them Antonovka, Chinese bellefleur, Chinese borsdorf, Chinese kandil, safran pepin and others. The other species of

Card 1/2

JUGOSLAVIA (SERBO-CROATIA)/Cultivated Plants - Fruits. Berries. L-6

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69369

apple trees were damaged to various degrees. Chinese safran, Bessemianka michurina and Bergamot renet are not sufficiently frost-resistant under local conditions. Of all the tested varieties of plums, only Redwing, Convoy and Tonka were frost-resistant. All others were severely damaged.

Card 2/2

DJORDJEVIC, A., prof. dr., Beograd.

Nurse in medical service. Narodno zdrav., Beogr. 10 no.10:291-293
1954.

(NURSING PROFESSION
nurse in med. serv.)

KONČAR-DJURĐEVIĆ, Slobodan K.; BAJIĆ, Bojan M.; DJURĐEVIĆ, Bojan M.

Studies on the nature of electrification in the fluidization
electrification, and explanation of separated material. Glas
Hem dr 29 no.9/10.501-511 163.

Optimum conditions of the separation of material in the
fluidization electrification. Ibid.:513-522

1. Institute of Chemical, Technological and Metallurgical
Research, Belgrade, and Institute of Chemical Metallurgical
Engineering of the Faculty of Technology and Metallurgy of the
University of Belgrade, Belgrade.

DJORDJEVIC, Borivoje M.

DJORDJEVIC, Borivoje M.

~~SECRET~~

Tuberculous pleuritis. Med. glasn. 8 no.2:41-48 F'54.

(TUBERCULOSIS, PULMONARY, compl.

*pleurisy, exudative)

DJORDJEVIC, Borivoje P. Dr.

Two cases of urine reflux from bladder to ureter and renal pelvis.
Med.pregl.,Novi Sad 8 no.1:46-52 1955.

1. Urolosko odeljenje Opste Gradske bolnice Beograd ser; Dr. Borivoje P. Djordjevic.

(URINE,

reflux from bladder to ureter & kidney pelvis in renal
tuberc.(Ser))

(TUBERCULOSIS, RENAL, compl.

urinary reflux from bladder to ureter & renal pelvis(Ser))

DJORDJEVIC, B.P.

~~vesico-femoral fistula (Ser)~~

A rare case of vesico-femoral fistula. Srpski arh.celok.lek.
83 no.2:254-256 Feb. '55.

1. Urolosko odeljenje Opste gradske bolnice u Nisu.Sef: Borivoje
P Djordjevic.

(FISTULA,

vesico-femoral(Ser))

(BLADDER,

vesico-femoral fistula(Ser))

(FEMOR,

vesico-femoral fistula (Ser))

Catalase content in lysogenic *Escherichia coli* bacteriophage
P. Djekovic (Inst. Nuclear Sci., Belgrade). *Bull. Inst. Nuclear Sci., Ser. Xidric* 6, 187-92 (1958). -- Intracellular catalase was estd. colorimetrically in the lysogenic bacterium, *Escherichia coli*, strain K₁₂λ. The catalase content increased during growth of the bacteria. Its max. amt. was found during the stationary phase of growth. Differences in catalase content were observed between bacteria grown in broth and those grown in synthetic media. The most important differences were found in full-grown cultures. Even in this case, the catalase content in bacteria grown in broth was only 2.5 times higher than that in bacteria cultivated in synthetic media. Such a slight difference can hardly be interpreted as a cause for the much higher restorability of bacteria grown in synthetic media. An inhibitory action on the activity of some hypothetical toxic compound, accumulated in the medium during the bacterial growth is excluded. A depressive action of the pH of the medium on catalase activity was not found. It seems that nutrient broth is an unfavorable medium for the manifestation of catalase enzymic reaction. D. A. M.

JOSIPOVIC, Vladan; asist.dr; NJORDJEVIC, Bosidar, C.; prof.dr; PLAVSIC,
Gedomil, prof.dr.

Parietal aneurysm of the heart; electrocardiographic and roent-
genographic diagnosis. Srpski arh.celok.lek. 77 no.12:1594-1606
Dec. '54.

1. IV Interna klinika Medicinskog fakulteta u Beogradu. Uprawnik:
prof. dr Gedomil Plavsic.

(HEART, aneurysm,

ECG & x-ray diag.)

(ELECTROCARDIOGRAPHY, in various diseases,

heart aneurysm)

(ANEURYSM,

heart, ECG & x-ray diag.)

STRASER, Toma, asist. dr.; JOSIPOVIC, Vladan, asist. dr.; DJORDJEVIC,
Bozidar S., doc. dr.

Personal experiences in cortisone and ACTH therapy of rheumatic
fever. Srp arhiv lekar 82 no.4:522-532 Ap '54. (REAL 3:7)

1. IV Interna klinika Medicinskog fakulteta u Beogradu. Upravnik:
prof. dr. Cedomil Plavsic. (Rad je Urednistvo primilo 29-V-1953 god.)
(RHEUMATIC FEVER, ther. (ACTH, ther. use
*ACTH & cortisone) *rheum. fever)
(CORTISONE, ther. use
*rheum. fever)