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Source: East European Accession List. Library of Congress  
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The role of cohesion in brittle breaks. Tr. from the Rumanian

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constructions. p. 37

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Mechanical Models of Synchronous Generators Applied to Stability Problems.  
(Electrical Engineering), #6:221:Jun 55

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Flywheel work in the group of dynamotors with intermittent load. p. 29

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Timisoara. (Journal on technical sciences issued by the Scientific  
Research Base in Timisoara, Rumanian Academy.)

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TECHNOLOGY

The influence of the exterior characteristic of a transformer on the effect of shunting. p. 79.

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Vol.4, No. 3/4, 1957

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March 1959, Unclass.



SECRET

CONFIDENTIAL

Document: [Illegible]

Classification: [Illegible]

Notes: [Illegible] (SIA) [Illegible]  
February 1957, [Illegible]

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Welding railroad rails having high content of carbon by  
intermediate melting. Pt. 1. Studii tehn Timisoara 7  
no.3/4:297-309 JI-D '60.

MICLOSI, V.

"Thermic processes in welding with electric arc" by [ing.]  
Andrej Havalda. Reviewed by V. Miclosi. Studii tehn  
Timisoara 7 no.3/4:360-361 JI-D '60.

S/137/62/000/006/148/163  
AC57/1101

AUTHORS: Mîloşî, V., Boarnă, C.

TITLE: Welding of rails with increased carbon content by intermittent flashing. Second part - a.

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 4, abstract 0621  
("Studii și cercetări științe tehn. Acad. RPR. Baza Timișoara",  
1961, v. 8, no. 1 - 2, 59 - 76, Rumanian; Russian and French sum-  
maries)

TEXT The hardness of the zone of thermal influence after welding and thermal treatment was investigated. The welding was carried out by four methods: A - by continuous flash welding with a length of the flashed-off part  $l = 11.0$  mm; B - with normal heating (21 pulses) at  $l = 11.0$  mm; C - with prolonged heating (46 pulses) at  $l = 21.0$  mm; D - with normal heating (21 pulses) at  $l = 21.0$  mm and subsequent normalizing of the butt. Heating current 24,500 a, duration of the pulses in heating 2 seconds, specific pressure of shrinkage  $0.4 \text{ kg/mm}^2$ . The normalizing at  $800^\circ\text{C}$  during 30 sec. was carried out in the

Part 1/2

Welding of rails with...

3/13/62/000/006/148/101  
AC57/A191

clamps of the welding machine at a distance between the clamps of  $115 \pm 5$  mm. The hardness  $H_{V3}$  was measured along the longitudinal cut across the butt. In processes A, B and C, zones with a mean hardness  $320 - 355 H_V$  were observed near the seam, i. e.  $47 - 50 H_V$  higher, than of the base metal. In the process D these zones disappeared and the hardness exceeded  $320 H_V$  only at some points, but occasionally hard plates were obtained under the clamps. To clear up the effect of the thermal cycle of welding upon the metal of rails, tests were carried out with notched and not notched impact samples. Tests after thermal treatment showed a decrease of the impact force at a temperature below  $0^\circ C$  in comparison with the state after welding. The previous paper see in Referativnyy Zhurnal, Metallurviya, 1961, 12F59.

Ye. Grey.

[Author's note - Complete translation]

Part 2/2

MICLOSI, V; GIRLESTEAN, Eliza; BOARNA, Clara

Electric welding through the intermediate fusion of the rods  
TOR 47. Studii tehn Timisoara 8 no.3/4:323-342 J1-D '61.

MICLOSI, Viorel, inz.

Contribution to the automation of the flash butt welding. Zvar  
sbor 10 no.1:51-64 '61.

1. Rumunska akademia vied, Timisoara.

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The 3d International Congress of Welding; Halle/Saale, Eastern Germany.  
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Contribution to the metallurgy of flash welding of railway tracks with higher carbon content. Zvar sbor 11 no.1:45-54 '62.

1. Akademia vied Rumunskej ludovej republiky, Ustredie technickeho vyskumu Timisoara (for Miclosi, Boarna). 2. Vyskumny ustav Fvaracsky, Bratislava (for Lombardini).

HUNGARY

HOLAN, Tiberiu, Dr., MICLUTEA, Marcel, Dr.; The Medical and Pharmaceutical Institute of Cluj-Kolozsvár (Cluj-kolozsvári Orvosi és Gyógyszerészetű Intézet) (rector: MOGA, A., professor, academician) Nuclear Medical Department (Nukleáris Orvosi Osztály) (chief: HOLAN, T., Dr., candidate) Romanian People's Republic.

"The Diagnosis of Breast Cancer by Means of Radioactive Phosphorus."

Budapest, Magyar Radiologia, Vol 17, No 2, Apr 63, pages 101-105.

Abstract: [Authors' English summary modified] Radiation measurements were made 1-2-3 days after oral administration of 100 micro-curies of P<sup>32</sup>. Higher than 40 per cent accumulation of the isotope was indicative in general of a malignant tumor, lower values were present in benign tumors according to the authors. The observation was confirmed by histological examination in two third of the cases. The rate of accumulation was also higher in the malignant tumors. The method is recommended for the determination of the most favorable time for X-ray therapy. 6 Western, 6 Eastern European references.

1/1

HOLAN Tiberiu, dr.; MICLUTEA, Marcel, dr.

Our experiences with the diagnosis of breast cancer using P<sup>32</sup>.  
Magy. radiol. 15 no.2:101-105 Ap '63.

1. A Cluj-kolozsvari Orvosi es Gyogyszereszeti Intezet (rektor: prof.  
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kandidatus) kozlemenye, Roman Nepkoztarsasag.  
(PHOSPHORUS ISOTOPES) (BREAST NEOPLASMS) (MASTITIS)  
(DIAGNOSIS)

FRANCHE, L.; VITA, Ala; BESLEAGA, E.; APOSTOL, A.; BALTIEU, Ariadna; BATCU, A.  
BLINDU, P.; BLUM, Miria [deceased]; BRAUNER, E.; CUCIUREANU, Georgeta;  
DUMITRIU, St.; FELLER, H.; MICO, I.; MIHUL, Valentina; OVANESCO, A.;  
PAPP, E.; RADULESCO, Al.

Contributions concerning allergic complications of scarlatina  
within the scope of data obtained by current research. Arch.  
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prumyslu a rudnych dolu) Praha, Vol. 3, No. 1, Jan. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
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MICOCH, L. A new measuring instrument for turbine blades. Tr. from the German.  
p. 371. Heating by means infra red radiators. p. 372.

Vol. 1. No. 12, Dec. 1956  
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(VOMITING compl) (ASPHYXIA etiol)

REF ID: A66666

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Experiment of ...  
Executive Order ...

1. Lecture ... Institute, ...
2. Head of the Electric Power ...
3. Chief Engineer, Regional Electric Enterprise, ... (Milota). Submitted April 22, 1966.



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Cytochemical and cytoensymatic leukocytic disorders in chronic  
post-viral hepatitis. Rev. sci. med. 7 no.3/4:167-171 '62.  
(HEPATITIS) (HEPATITIS, INFECTIOUS) (LEUKOCYTES)  
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(PEROXIDASES) (ENZYME TESTS) (BLOOD CHEMICAL ANALYSIS)

MICOV, V.

Effect of preparation Nr.10 on the vegetative nervous system,  
breathing and neuro-muscular conductiveness. Nauch. tr. vissh.  
med. inst. Sofia 43 no.6:43-50 '64

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

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1. "Report of the Soviet Medical Academy on the 'Successes' of the Soviet Medical Science." U. S. MEDICAL JOURNAL, Vol. 81, No. 2, 1963. Translated from the Russian by Andreyev EYKHOV (NY, NY) pp 109-117.
2. "Report on the Work Done by the Cardiological Center of the Soviet Medical Academy." U. S. MEDICAL JOURNAL, Vol. 81, No. 2, 1963. Translated from the Russian by Andreyev EYKHOV (NY, NY) pp 118-119 (English summary).
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8. "An Unusual Case of Pulmonary Carcinoma of Bronchial Origin." Medical Bulletin of the Soviet Medical Academy (English Summary) (NY, NY) pp 125-126. (Editor: Dr. Andreyev EYKHOV).

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Public Health

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GERIC, R., Dr., Prof.; SIMIC, A., Ph.D., Dr.; MICOVIC, P., Dr.:  
The "Moris Vidric" Health Station; Institute for Hygiene of the  
Faculty of Medicine, Belgrade (Dom zdravlja "Moris Vidric"; Higijenski institut medicinskog fakulteta - Beograd), Belgrade.

"A Contribution to the study of the Health status of the population"  
Belgrade, Narodno zdravlje, Vol 22, No 3, 1966, pp 80-87

Abstract: Discussed in this article are the health status and hygienic conditions in some areas of the Savski Venac Borough of Belgrade. One of the goals of this investigation was to establish the influence of external environmental and social-economic conditions on the health status, morbidity structure, and the occurrence of so-called social diseases. The tables in this article present living conditions, disposition of waste matter, water provision, the content of albumins, fats, vitamins, carbohydrates, and mineral matter in daily meals, family, age, and professional structures, use of alcohol and tobacco, and the structure of more common illnesses. No references.

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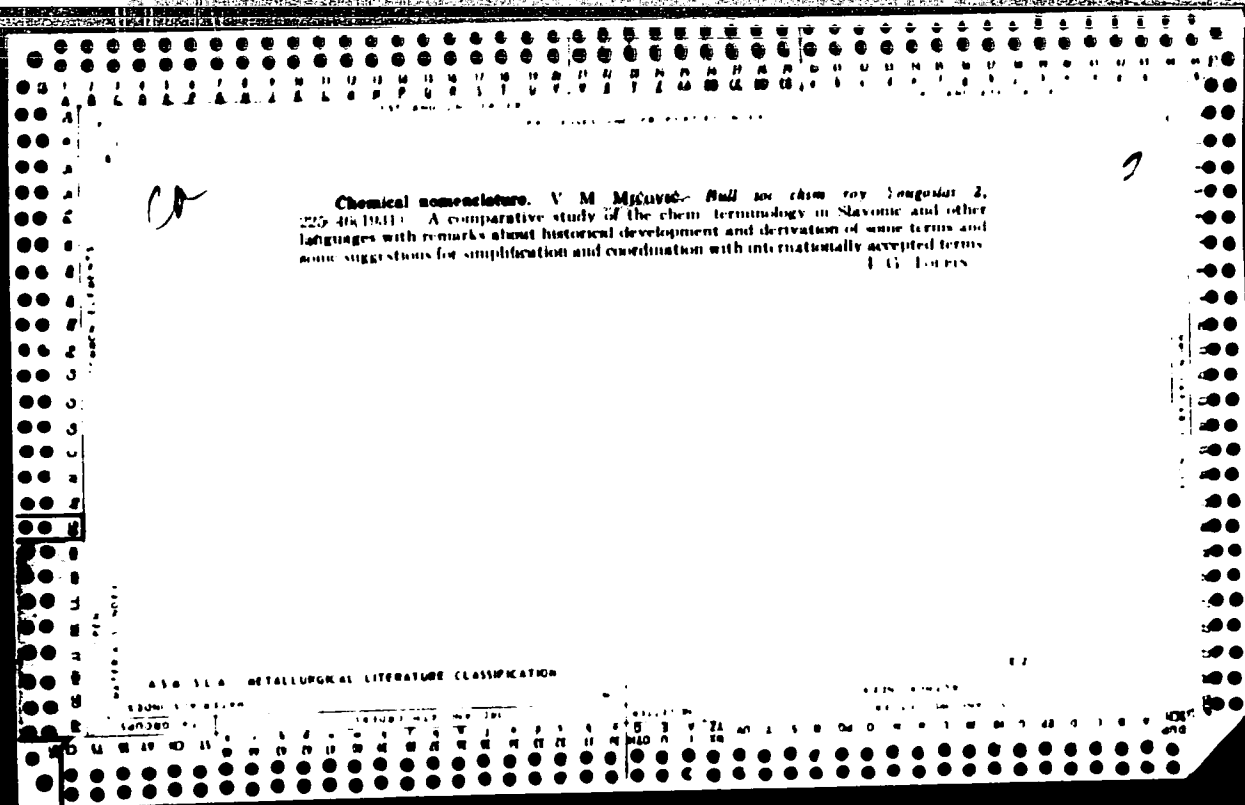
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Scope and kind of recent studies on the standard-gauge Sarajevo-Floce railroad project. p. 621  
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Report on the International Symposium on Organic Chemistry,  
Brussels, June 12-16, 1962. Glas SANU 14, no.1:66-67 Ja-Je  
'62 [publ. '63]



1ST AND 2ND PARTS				PROCESSING AND PROPERTIES INDEX				3RD AND 4TH PARTS			
<p>Anna M. Lorenz. V. M. Matveev. <i>Full text</i>  <i>Youngster</i> 6, 73 (1965). - Biography of L.      recently deceased, with a list of his works. J G 1</p>											
<p>A10-31A METALLURGICAL LITERATURE CLASSIFICATION</p>											
MATERIALS INDEX			10000-11000			COLLECTION			10000-11000		
1	2	3	4	5	6	7	8	9	10	11	12



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Chemical abst.  
Vol. 48 No. 6  
Mar. 25, 1954  
Organic Chemistry

Ring contraction in the series of seven- and six-membered cycloalkanes under the action of organomagnesium compounds. V. M. Miković (Belgrade Univ.). *Bull. soc. chim. Belgrade*, No. 18, 1947, 153-61 (Pub. 1951).—A review with 18 references. Nikola Plavšić

BA

BE-1  
General

**Reduction of acetylenic acids by lithium aluminium hydride.**  
 V. M. Mišević and M. L. Mihailović (*Bull. Soc. Chim. Belgrade*, 1951, 18, 19-25; see A., 1951, 11, 113 and 162). To a suspension (180-250 cc) of LiAlH<sub>4</sub> (63-66 g.) in anhyd. Et<sub>2</sub>O through which a current of N<sub>2</sub> is led, a solution of an acetylenic acid (9-19 g.) is slowly added under constant stirring and the mixture is heated on a water bath for 30-60 min. The mixture is cooled with ice, decomposed with ice water, filtered, the filtrate dried with anhyd. Na<sub>2</sub>SO<sub>4</sub>, distilled, and the alcohol isolated chromatographically on Al<sub>2</sub>O<sub>3</sub> in CCl<sub>4</sub>/light petroleum (1:3) solution. These are prepared: C<sub>11</sub>H<sub>14</sub>O<sub>2</sub> (65.3% from propionic acid), b.p. 85-97°; cinnamic alcohol (61%), m.p. 33°, and 3-cyclohexylprop-2-en-1-ol (81%), C<sub>9</sub>H<sub>16</sub>O, b.p. 128-125 mm., d<sub>4</sub><sup>20</sup> 0.852, n<sub>D</sub><sup>20</sup> 1.4688 (carbonate salt, m.p. 98-99°); the last-named reduced with Pt black yields 3-cyclohexylpropan-1-ol, b.p. 118-5, 19 mm. (carbonate salt, m.p. 87.5°).  
 S. S. MIHOLIC

MICOVIC, V. M.

✓ Preparation of aldehydes by the oxidation of alcohols with lead tetraacetate. I. Pyridylaldehydes. V. M. Mitovic (Mitichovitch) and M. J. Milutinovic (University of Belgrade, Yugoslavia). *Rec. trav. chim.* 71, 672-6 (1952) (in English).—Picolinaldehyde (I), nicotinaldehyde (II), and isonicotinaldehyde (III), all unstable to air and previously obtainable only in poor yield and with considerable difficulty, are conveniently prepd. from the corresponding pyridine-carboxylic acids. These are esterified, reduced to the pyridylmethanols (IV) with  $\text{LiAlH}_4$ , and IV oxidized to the aldehydes with  $\text{Pb}(\text{OAc})_2$  (V). Thus, a soln. of 30.2 g. Et pyridinecarboxylate in 200 cc. dry  $\text{Et}_2\text{O}$  is added, in 40-80 min., to a chilled, vigorously-stirred suspension of 0.5 g.  $\text{LiAlH}_4$  in 400 cc. dry  $\text{Et}_2\text{O}$ . When the addn. is complete, the complex and excess  $\text{LiAlH}_4$  are decompd. by addn. of 25 cc.  $\text{H}_2\text{O}$ . The ppt. of hydroxides is filtered off, extd. twice with abs. MeOH, and the combined org. solns. evapd. Fractionation of the residue gives the following yields (% in parentheses) of IV: 2-pyridylmethanol, bp 103-5° (70.2) [picrate, m. 152-0° (decompn.); chloroplatinate, m. 179° (decompn.)]; 3-pyridylmethanol, bp 140-1° (75.7) [picrate, m. 158° (decompn.); benzoate  $\text{HCl}$  salt, m. 116°]; 4-pyridylmethanol, bp 141-2° (73.4), m. 49-50° [picrate, m. 130° (decompn.)]. To a hot, dry, stirred mixt. of 53.21 g. V in 200 cc. benzene is added, in 3-5 min., 13.1 g. IV in 50 cc. dry benzene. The brown soln. boils briefly, turns pale yellow or white, and a ppt. of  $\text{Pb}(\text{OAc})_2$  seps. Heating is resumed 45 min., after which excess reagent is destroyed with ethylene glycol (until KI-starch paper gives neg. test). The

Micović, V.M. and Mihaljević, H. 13.  
a cooled mixt. is filtered, and HOAc in the filtrate neutralized with aq.  $K_2CO_3$ . Extn. with  $Et_2O$  or  $CHCl_3$ , followed by evapn. of the dried solvents and fractionation of the residue in vacuo under N gives the aldehydes (% yield given in parentheses): I, b.p. 70-3° (85.4); phenylhydrazone, m. 176-7°; semicarbazone, m. 203-4° (decompn.); semicarbazone HCl salt, m. 226-8° (decompn.); II, b.p. 80-9° (77.8) (phenylhydrazone, m. 158°; semicarbazone, m. 214-15°; semicarbazone HCl salt, decomp. 229-30°); III, b.p. 90-1° (68.4) (phenylhydrazone, m. 178°; semicarbazone, m. 225-6° (decompn.); semicarbazone HCl salt, decomp. 256-8°). Treatment of III with amboguanidine hydrochloride gives *N*-pyridylmethanol guanylhydrazent, m. 104-5°.

Warren Subocher 2/2

EM

MM

MIOCVIC, Vukic H.

②  
6

The reduction of acid amides with lithium aluminum hydride. Vukic H. (Miovcic) and Mihailo L. Mihailovic (Serbian Academy of Sciences, Yugo.). *J. Org. Chem.* 18, 1190-200 (1953).—The behavior of various acid amides toward  $\text{LiAlH}_4$  (I) and the effect of different reaction conditions on the type of reaction products obtained are studied. Adding 1 mole amide in ether to 0.5 mole + 30% excess I in ether at such a rate as to maintain gentle boiling, heating, and stirring the mixt. another hr., adding, with ice-cooling, 15% NaOH (s cc. and 3s cc.  $\text{H}_2\text{O}$  for s g. I), stirring 20 min., dissolving the residue of the ether soln. in 10% HCl or  $\text{H}_2\text{SO}_4$ , making the washed (ether) aq. soln. alk., and extg. with ether give the corresponding amine. In this way, 1-benzoylpiperidine (II) gives 93.3% 1-benzylpiperidine,  $b_p$  122° (HCl salt, m. 179-9°; picrate, m. 178.5-9°); 1-acetylpiperidine gives 92.3% 1-ethylpiperidine, b. 128-8° (picrate, m. 168-9°); 1-acetyl-1,2,3,4-tetrahydroquinoline gives 90.0% 1-Et analog,  $b_p$  130-3° (picrate, m. 117-18°);  $\text{BzNEt}_2$  gives 91.9%  $\text{PhCH}_2\text{NEt}_2$ ,  $b_p$  84-5° (picrate, m. 120°); *N,N*-diethylnicotinamide (III) gives 84.1% 3-(diethylaminomethyl)pyridine (IV),  $b_p$  108-9° (di-HCl salt, m. 184-5°); 1-Benzoyl-1,2,3,4-tetrahydroquinoline (V) gives 62.9%  $\text{PhCH}_2\text{OH}$  (VI),  $b_p$  92-2.5° (phenylurethan, m. 78°), 38.3% 1-benzyl-1,2,3,4-tetrahydroquinoline (VII),  $b_p$  160°, needles, m. 36.5-7°, and 45.9% 1,2,3,4-tetrahydroquinoline (VIII),  $b_p$  121-2° (HCl salt, m. 180-1°); when the reduction is carried out at 5°, 73.5% VI, 21.4%

VII, and 72.4% VIII are obtained. Reduction of  $\text{PhNHAc}$  gives 92.9%  $\text{PhNH}_2$ ,  $b_p$  93-4° (picrate, m. 137.5-8°); *N*-cyclohexylacetamide (5.9 g.) and 2.4 g. I in 460 cc. ether give 88% *N*-ethylcyclohexylamine, b. 159-62° (phenylurea deriv., m. 124-5°); *N*-benzoylcyclohexylamine gives 89.5% *N*-cyclohexylbenzylamine,  $b_p$  143-4° (phenylurea deriv., m. 121-2°). Heating 8.6 g. 1-benzoylpyrrole (IX) with 1.66 g. I in 250 cc. ether gives 85.6% pyrrole (X), b. 120-31°, and 80% VI; 1-acetylpyrrole gives 82.0% X; 1-benzoylindole (XI) gives 92.5% VI and 89.5% indole (XII),  $b_p$  122.6-4°, m. 51°; 1-acetylindole gives 93.1% XII. Refluxing 4.9 g. 9-benzoylcarbazole (XIII) 1 hr. with 0.8 g. I in 230 cc. ether gives 90% carbazole (XIV), m. 237-9°, and 80.4% VI.  $\text{PhCH}_2\text{CHCONEt}_2$  gives 29.8%  $\text{PhCH}_2\text{CHCH}_2\text{OH}$ ,  $b_p$  140-3° (phenylurethan, m. 90-90.5°). Adding over a period of 15 min. 0.34 g. I in 34 cc. ether at -15° to 6.38 g.  $\text{BzNEt}_2$  in 120 cc. ether and stirring the mixt. 0.5 hr. at -15° and 1 hr. at 20° give 36.6%  $\text{BzH}$ , 11.6% VI, and 28.2% unchanged  $\text{BzNEt}_2$ ,  $b_p$  152-3°; similarly, II gives 17.9% VI, 47.1%  $\text{BzH}$ , and 20.5% unchanged II; V gives 13.7% VI and 49%  $\text{BzH}$ ; III, 12.9% nicotinaldehyde,  $b_p$  83-7° [thiosemicarbazone, m. 213-14° (decompn.)], 5.1% IV, 28% 3-pyridinemethanol,  $b_p$  138-43° (picrate, m. 158°), and 24.9% unchanged III. Adding 6.85 g. IX in 100 cc. ether to 0.38 g. I in 38 cc. ether at -10° and stirring the mixt. 0.5 hr. at -10° and 1 hr. at 20° give 82.1% X and 54.1%  $\text{BzH}$ ; at 0°, 74.5% X and 51.7%  $\text{BzH}$  are obtained. Similar reduction of 8.85 g. XI gives 55.5%  $\text{BzH}$ ; at 0°, 53.5%  $\text{BzH}$ . Adding 0.17 g. I in 17 cc. ether to 4.9 g. XIII in 150 cc. ether at -15° gives 60%  $\text{BzH}$  and 83.3% XIV; at 0°, 55%  $\text{BzH}$  and 80% XIV are formed. Heating 16.7 g. XIV and 17.5 g.  $\text{PhCH}_2\text{CHCOCl}$  1 hr. at 185-95° gives 60.3% *o*-cinnamoylcarbazole, m. 90.5-7° which, reduced at -10°, gives 89.8% XIV and 45.2%  $\text{PhCH}_2\text{CHO}$  (XV) (phenylhydrazone, m. 169-7°); at 0° 89.8% XIV and 45% XV are formed. A mechanism is proposed to explain the course of these reductions.

P. E. Brauns

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Lithium aluminum hydride in organic chemistry. Redactor Kosta V. Iatkovic. Beograd, Naučna knjizna, 1955. 193. p. (Serbian Academy of Sciences, Monographs, v. 237. Section for Natural Sciences and Mathematics, no. 9.) ( In English. bibl. )

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SO: Monthly List of East European Acquisitions (EAL) Lc. Vol. 6, No. 8, Aug. 1957. Uncl.

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Lithium aluminum hydride in organic chemistry. Vukobratović M., Micovic and Mihalović D. Mihalović (Univ. Belgrade) Serb. Acad. Sci. Monographs 237, Sect. Nat. Sci. and Math. No. 9, 1-163 (1985).—Review with 1732 references. E. H.

① MA Red

MICOVIC, V. ; MIHAJLOVIC, M.

MICOVIC, V. ; MIHAJLOVIC, M. Reduction of  $\alpha, \beta$ -epoxy esters with lithium aluminum hydride. p. 299.

Vol. 20, no. 5, 1955  
GLASNIK  
Beograd, Yugoslavia

So: Eastern European Accession Vol. 5 No. 4 April 1956



V. M. Mirovic

Distr: 1/E3d/1/E2g(j)  
 Condensations of polyhydric alcohols and monosaccharides with cyclopentanone and cyclohexanone. V. M. Mirovic and A. Stojiljkovic (Univ. Belgrade, Yugoslavia). *Tetrahedron* 4, 186-90 (1958).—Cyclopentanone (I) and cyclohexanone (II) condense with polyhydric alcs. and monosaccharides to yield di- and tricyclopentylidene and cyclohexylidene derivs. Series of new condensation products were prepd. and characterized. Glycol (31 g.), 42 g. I, and 4 drops of 40% H<sub>2</sub>SO<sub>4</sub> stirred 10 hrs. on a steam bath, and the cooled mixt. extd. with Et<sub>2</sub>O, the dried ext. distd. and 4 drops of 40% H<sub>2</sub>SO<sub>4</sub> stirred with 2 vols. satd. aq. NaOH fraction, b. 136-55°, treated with Et<sub>2</sub>O, and the product H<sub>2</sub>SO<sub>4</sub>, the filtered soln. extd. with Et<sub>2</sub>O, and the product distd., yielded 4 g. *cyclopentylidene-glycol*, b. 153°, n<sub>D</sub><sup>20</sup> 1.4537, d<sub>4</sub> 1.024, MR 32.82. Glycerol (30 g.), 40 g. I, and 8 g. anhyd. Na<sub>2</sub>SO<sub>4</sub> stirred 24 hrs. at room temp. with addn. of 0.4 g. HCl gas, the mixt. neutralized and filtered, the filtrate distd. *in vacuo* in the presence of Ag<sub>2</sub>O, the distillate freed from unchanged I, and the residue distd., yielded 41% *cyclopentylidene-glycerol* (III), b. 127-9°. Glycerol (10 g.), 20 g. I, and 3 g. 96% H<sub>2</sub>SO<sub>4</sub> occasionally shaken at room temp. 24 hrs., the mixt. neutralized with PbCO<sub>2</sub>, and the filtered soln. distd., yielded 54% III, b. 122-3°, n<sub>D</sub><sup>20</sup> 1.4793, d<sub>4</sub> 1.073, MR 30.30; *3,3-dinitrobenzoate*, m. 79°. *p-toluenesulfonate* (IV), m. 38°. IV (3 g.) and 3.7 g. NaI heated 12 hrs. in Me<sub>2</sub>CO in a sealed tube at 100°, the mixt. filtered and the filtrate evapd., the sirup treated with Hg-roseine to remove IV and with Et<sub>2</sub>O to eliminate NaI, the residue evapd. gave *cyclopentylidene-monoiodohydrin*, hydrolyzed with 0.5N AcOH to authentic glycerol iodohydrin, m. 48° (CHCl<sub>3</sub>-ligroine). Pentaerythritol (3 g.), 11.6 g. I, and 5 drops concd. H<sub>2</sub>SO<sub>4</sub> stirred 3 days at room temp., the mixt. made alk. with KOH, and the product washed with H<sub>2</sub>O yielded 24% *dicyclopentylidene-pentaerythritol*, m. 152°

(alc.). Similarly were prepd. *dicyclopentylidene-mesoerythritol*, m. 64° (60% alc.), and the corresponding *dicyclohexylidene-pentaerythritol*, m. 135° (alc.), and *dicyclohexylidene-mesoerythritol*, m. 95° (alc.), in 40, 87, and 87% yields, resp. Arabinol (1.5 g.), 7 g. I, and 0.25 ml. concd. H<sub>2</sub>SO<sub>4</sub> stirred 1 day at room temp., the neutralized mixt. extd. with Et<sub>2</sub>O, and the H<sub>2</sub>O-washed ext. evapd. gave 0.8% *dicyclopentylidene-L-arabinol*; *p-toluenesulfonate*, m. 68° (ligroine). Mannitol (9 g.) and 50 ml. I stirred several hrs. with Et<sub>2</sub>O, and the neutralized mixt. poured into H<sub>2</sub>O gave 4.5 g. *tricyclopentylidene-D-mannitol*, m. 70° (alc.), [α]<sub>D</sub><sup>20</sup> 11.57° (c 1.35, CHCl<sub>3</sub>). Similarly was prepd. *tricyclohexylidene-D-sorbitol*, m. 75° (alc.), [α]<sub>D</sub><sup>20</sup> 7.3° (c 1.09, alc.). I (20 g.), 2 g. L-arabinose, and 18 drops concd. H<sub>2</sub>SO<sub>4</sub> stirred 24 hrs., the filtered soln. neutralized, distd. with H<sub>2</sub>O, and extd. with Et<sub>2</sub>O produced 53% *dicyclopentylidene-L-arabinose*, m. 62° (60% alc.). Similarly were prepd. *dicyclohexylidene-D-xylose*, m. 89° (50% alc.), and *dicyclopentylidene-D-mannose* (V), m. 116° (40% alc.), [α]<sub>D</sub><sup>20</sup> 8.7° (c 1.04, alc.), in 31 and 44% yields. The corresponding *dicyclohexylidene-L-arabinose*, m. 80° (70% alc.), *dicyclohexylidene-D-xylose*, m. 104° (80% alc.), and *dicyclohexylidene-D-mannose*, m. 122°, were prepd. analogously in 73, 72, and 62% yields. V (1 g.) in 10 ml. H<sub>2</sub>O contg. 0.16 g. KOH stirred with 0.33 g. KMnO<sub>4</sub>, the mixt. heated 6 hrs. with stirring, the filtered soln. evapd. *in vacuo*, and the salt extd. with Me<sub>2</sub>CO gave *K-cyclopentylidene-D-mannosate* (VI), m. 235° (decomp.), [α]<sub>D</sub><sup>20</sup> -23.9° (c 2.85, H<sub>2</sub>O). VI in a min. of H<sub>2</sub>O treated with an equiv. amt. of 0.5N H<sub>2</sub>SO<sub>4</sub>, the soln. extd. with Et<sub>2</sub>O, and the ext. evapd. gave *dicyclopentylidene-D-mannonic acid lactone*, m. 129°, [α]<sub>D</sub><sup>20</sup> 35.96° (c 1.32, CHCl<sub>3</sub>). ZnCl<sub>2</sub> (5 g.), 1 g. P<sub>2</sub>O<sub>5</sub>, and 2 g. 86% H<sub>2</sub>PO<sub>4</sub> stirred

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24 hrs. with 5 g. D-glucose in 100 ml. I, the mixt. neutralized with  $K_2CO_3$ , the filtered soln. and the Et<sub>2</sub>O washings neutralized with more  $K_2CO_3$ , the soln. distd., and the oily residue treated with alc. and ligroine gave 0.2 g. cryst. product, recrystd. (ligroine-alc.) to give *dicyclopentylidene-D-glucose*, m. 104°. The corresponding *dicyclopentylidene-D-glucose* and *monocyclohexylidene-D-glucose* (VII) were prepd. according to Hockett, *et al.* (C.A. 44, 8231b). Pb(OAc)<sub>2</sub> (13.4 g.) refluxed in dry C<sub>6</sub>H<sub>6</sub> with stirring while treated dropwise with 8 g. VII in 200 ml. dry C<sub>6</sub>H<sub>6</sub>, the mixt. heated 30 min. at 100°, the filtered soln. evapd., and the oily residue triturated with H<sub>2</sub>O yielded 71% *1,3-monocyclohexylidene-D-glucose*, m. 178° (50% alc.); *semicarbazone*, m. 215° (decompn.). I (25 g.), 2 g. D-fructose, and 1 ml. concd. H<sub>2</sub>SO<sub>4</sub> stirred 40 hrs. at room temp., the mixt. neutralized and poured into H<sub>2</sub>O, the soln. extd. with Et<sub>2</sub>O, the *dicyclopentylidene-D-fructose* (2 g.) treated with 1.5 g. *p*-MeC<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>Cl, and the product recrystd. (50% alc.) yielded 50% *p*-toluenesulfonate, m. 116°. Similarly 2 g. D-fructose and 10 g. II stirred with concd. H<sub>2</sub>SO<sub>4</sub> at room temp. and worked up yielded 62% *dicyclopentylidene-D-fructose*, m. 142° (50% alc.). In the condensation reactions with polyhydroxy compds. I and II behaved similarly to Me<sub>2</sub>CO with production of 6-membered ring compds. II reacted more readily than I in accordance with the I-strain theory and the proposed generalization for the exo and endo double bonds in 6- and 8-membered ring systems (cf. Brown, *et al.*, C.A. 49, 2023b). C. R. ~~\_\_\_\_\_~~

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MICOVIC, V.M.; STEFANOVIC, Vladimir D.

Chemical structure of certain Yugoslav lichens. I.  
Glas SANU 12 no.2:187-188 '60 [publ.'62].

1. Dopisnik Srpske akademije nauke i umetnosti, Beograd  
(for Micovic).

MICOVIC, V. M.; STEFANOVIC, V. D.

Studies on the chemical composition of Yugoslav lichens. Glas priro-  
mat SANU 245 no.21:45-52 '61.

1. Faculty of Science, Institute of Chemistry, University of Beograd.

(Yugoslavia—Lichens)

MICOVIC, Vukic, dr, profesor Univerziteta

Milivoj S. Lozanic, 1878-1963; obituary. Glas Hem dr 2P no.5/6:  
227-236 '63.

MICOVIC, Vukic M., MLADENOVIC, Slobodan; STEFANOVIC, Milutin

Reaction of tropinone with acetylene. Preparation of 3-ethyltropane-4-ol. Glas Hem dr 28 no.5/6:285-290, 1963.

1. *Chemical Institute of the Faculty of Natural Sciences and Mathematics, Belgrade. Serb. Chem. Soc. Rep. Serb. Chem. Soc.*

MICOVIC, V.M.; RIGIC, M.; MIRANIC, M.

Reduction of ketenes with lithium aluminum hydride. *Chem. Zvezd. SANU* 32 no.9:95-101, 1963.

1. Chemical Institute of the Faculty of Mathematics and Natural Sciences of the University of Belgrade, Belgrade. *Chem. Zvezd.* October 6, 1961.

MISOVIC, V.M.; MAMUZIC, R.I.; JEREMIC, L.; MIHALJEVIC, M. LJ.

Reactions with lead tetraacetate. Pt. 1. Bull. ser. nat. SANU 32  
no.9:113-115 '66.

1. Chemical Institute of the Faculty of Mathematics and Natural  
Sciences of the University of Belgrade, Belgrade. Submitted  
November 10, 1961.



MICOVIC, V.M.

New standard for atomic weights; abstract. Glas Hem dr 27  
no.9/10:566 '64

1. Faculty of Sciences, University of Belgrade.

MICCVSKI, M.

Review of Applied Mycology  
Vol. 33 Mar. 1954

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MASON (N.) & MICOVSKI (M.). Микробиолошко испитување на црвените со  
Crasno. [Microbiological examination of red soils round Skoplje] -- *Anna.*  
(*Fac. Agron. Sclavic.*) *Agron. Skoplje*, 3 (1949-50), pp. 65-82, 1953. [English  
summary.]

2  
Six samples of cultivated and uncultivated red soil (pH 6.8) from around Skoplje, Yugoslavia, were examined by the direct microscopic method, using smears of soil stained with carbol erythrosin for four minutes over a boiling water bath, and the agar plate method (cf. *R.A.M.*, 32, pp. 600, 643). The media recommended by A. Cunningham (Practical Bacteriology, third edition, London, 1947) was used for plating. The total number of microorganisms detected (in millions per gm. soil) ranged from 248 to 1,470 by the direct method and 2,810 to 42,650 by plating. Bacteria were the most numerous, followed by actinomycetes. Fungi, ranging from 60,000 to 1,630,000 per gm. soil, formed about 1 to 3.3 per cent. of the total red soil microflora investigated.

1. The first part of the document is a list of names and titles of the members of the committee. The names are listed in alphabetical order. The titles are listed in the order in which they appear in the document.

2. The second part of the document is a list of the names of the members of the committee who have been appointed to the various subcommittees. The names are listed in alphabetical order.

SAVII, Gh., ROBINOFF, St.; MICSA, I.

Comparative data on the necessary power for polishing polished  
hardness steel for the cases of the cooling liquid flowing  
from outside and through the abrasive tool pores. Bu. It  
si Tehn Tim P no.1:129-131 Ia-Ie '64.

2 SINCE ...

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... industrial ...

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The state and perspectives of the innovation movement in agriculture. Ujit lap 15 no.18:10 25 S '63.

1. MEDOSZ titkara.

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Agricultural work in the springtime and labor safety. Munka  
14 no.3:10-11 Mr '64.

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SAVJ, H.; MICJ, C.

Contributions to the knowledge of the geology and petrography of the central part of the Semiculni Mountains. Pari seama sed 49 pt.1:39-50 '61-'62 (publ. '64).

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LAGNOV, S.,; DUMITRESCU, Mircea,; DIMITRIUM, Ofelia,; MICU, Dumitru,;  
FISCHER, Puiu, S.

New tests for study of erythropoiesis; their clinical and  
therapeutic value. Probl. ter., Bucur. Vol 1:97-137 1954.

1. Membru corespondent al Academiei R.P.R. (for Iagnov).  
(ERYTHROCYTES  
form, physiol. & new tests)

DUMITRESCU, Mircea.; DIMITRIU, Ofelia.; ZAMFIRESCU-GHEORGHIU, Marcela.;;  
MICU, Dumitru.; POPESCU, Gr.

Hemolysis. Probl. ter., Bucur. Vol 1:209-224 1954.

(HEMOLYSIS

eff. of erythropoietic insuff., plasma cholesterol &  
osmotic & colloid-osmotic resist. of erythrocytes)

(ERYTHROCYTES

eff. of insuff. & osmotic & colloid-osmotic resist. on  
hemolysis)

(CHOLESTEROL, in blood

eff. on hemolysis)

(BLOOD

cholesterol, eff. on hemolysis)

DUMITRESCU, Mircea; DIMITRIU, Ofelia; FISCHER, P.s.; MICU, Dumitru;  
IAGHOV, S. membru corespondent al Academiei R.P.R.

Study of the correlations of blood, bone marrow and spleen and  
of the therapeutic indications for splenectomy. Bul.stiint.,  
sect.med. 6 no.4:883-936 Oct-Dec '54. (MLRA 8:8)

(HEMOPOIETIC SYSTEM, dis.

ther., liver extract with splenectomy, indic.)

(SPLENOMEGALY, surg.

splenectomy, indic)

(LIVER CIRRHOSIS, ther.

liver extracts, with splenectomy, in splenomegalic  
cirrhosis)

(SPLEEN, surg.

excis.. in splenomegalic cirrhosis with hemopoietic  
disord. indic.)

MIHAI, C.; MICU, D.; TANASESCU, M.; VICIU, E.

Extracellular fluid in hypertensive patients. Probl. card., Bucur.  
2:257-262 1956.

(HYPERTENSION, physiology

increase & decrease of extracellular fluid in various  
types of patients)

(BODY FLUIDS

extracellular fluid increase & decrease in hypertension)

IAGNOV, S.; FISCHER, S. P.; POPESCU, G. I.; MICU, D.

Study of hematological disorders in epidemic hepatitis. Probl. ter., Bucur. 4:123-122 1956.

1. Institutul de terapeutice al Academiei R.P.R., Sectia de la Spitalul I. C. Frimu.

(HEPATITIS, INFECTIOUS, blood in cell counts, erythrocyte destruction & osmotic resist., hematocrit & disord. of hemopoiesis)

(BLOOD CELLS count in infect. hepatitis)

(ERYTHROCYTES destruction & osmotic resist. in infect. hepatitis)

(HEMOPOIESIS disord. in infect. hepatitis)

RUMANIA/Human and Animal Physiology - (Normal and Pathological). T-3  
Blood. Blood Diseases.

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74689

Author : Iagnov, S., Fischer, P.S., Kreindler, F., Micu, D.

Inst : -

Title : Investigation of Hematological Impairments During Cyrrhosis  
of the Liver.

Orig Pub : Probl. terap., 1957, 5, 45-64

Abstract : In patients with cyrrhosis (C) of the liver - with compen-  
sating (DC; 16) and decompensating (DC; 39) - quantitative  
and qualitative impairments were found of the red blood  
cells. The first are connected with decreased hemopoiesis  
(H), the second, with acute hemorrhagic symptoms. Decreased  
H was observed with serious C. Signs of anemia with  
DC sometimes were absent, with DC they were always observed.  
In 50 patients, macrocytosis was noted, in 5 the surface  
of the erythrocytes was normal or microcytotic. Due to

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RUMANIA/Human and Animal Physiology (Normal and Pathological).  
Blood. Blood Diseases.

T-3

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74689

hemorrhagic C, microcytotic anemias developed. Hemorrhagic anemias were observed during DC as a result of sanguineous vomiting and sanguineous stool. In 75% of the cases of C, granulopenia were noted due to retention of the myelopoiesis. The quantity of eosinophil in a majority of cases was normal. Absolute lymphopenia was noted in 70, monocytopenia in 63% of the cases. With DC, impairments in the content of granulocytes is more expressed than with CC. In all cases, thrombopenia was observed, more expressed with serious illnesses, which is explained by the retention of megakaryocytic thrombopoiesis. Impairments in the picture of formed elements of the blood are connected, usually, with serious disorders of metabolism in C of the liver and with an inhibiting influence of the spleen on H. In the case of CC with hypersplenization, splenectomy gave good results. -- A.D. Beloborodova.

Card 2/2

MICU, D.; SIMIONOVICI, B.; FISCHER, P.S.; MELZER, V.

Hematological investigations in cardiac insufficiency. Probl. ter.,  
Bucur. no.7:41-61 1957.

- (CONGESTIVE HEART FAILURE, pathology  
bone marrow hypoplasia, hypocythemia, erythropoietic  
hypofunct. & other hematol. disord.)
- (BONE MARROW, in various dis.  
hypoplasia in congestive heart failure)
- (HEMOPOIIESIS  
disord. in congestive heart failure)



RUMANIA/Human and Animal Physiology (Normal and Pathological). T-3  
Blood. Blood Groups.

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74663

Author : Dimitriu, Ofelia; Fischer, P.S.; Micu, D.; Dumitrescu, Sanda.

Inst : -

Title : On the Investigation of Immunothrombopenia.

Orig Pub : Comun. Acad. RFR, 1957, 7, No 2, 285-290.

Abstract : In 4 cases out of 30, during cyrrhosis of the liver and other illnesses, samples of thrombocytic antibodies (A) were positive. In 2 cases of pathogenesis, A was connected with the presence of paraproteids. Seemingly, these A, by influencing the thrombopoiesis, caused a decrease of the quantity of thrombocytes. A correlation was not found between the titer of A, infections of the bone marrow, and thrombopenia. In some patients A were found blocking

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- 33 -

RUMANIA/Human and Animal Physiology (Normal and Pathological).  
Blood. Blood Groups.

T-3

' Abs Jour : Ref Zhur - Biol., No 16, 1958, 74663

thrombocytes. Leukocytic A were also found present  
simultaneously with thrombocytic A. -- L.N. Dayneko.

Card 2/2

RUMANIA/Human and Animal Physiology (Normal and Pathological). T-3  
Blood. Blood Groups:

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74662

Author : Dumitrescu, Mirocea; Dimitriu, Ofelia; Micu, Dumitru;  
Dumitrescu, Sanda

Inst : -

Title : Investigation of Immunoleukopenias.

Orig Pub : Comun, Acad. RPR, 1957, 7, No 2, 291-296

Abstract : The content of leukocytic antibodies (A) during leukopenias of different nature was observed in 20% of cases. Pathogenesis of these A in many cases is connected with the presence of paraproteids. Seemingly, by influencing the leucopoiesis, these A cause decrease of the quantity of leukocytes. A correlation was not always found between the titer of leukocytic A and the degree of leukopenia. In a series of cases, blocked A were also found. -- L.N. Dayenko.

Card 1/1

LAGHOV, S.; MICU, D.; SIMIONOVICI, B.

Hematological studies in pulmonary sclero-emphysema. Probl. ter., Bucur.  
8:61-71 1957.

(EMPHYSEMA, PULMONARY, blood in  
protein disord., erythropoiesis & platelet count & morphol.,  
in sclero-emphysema)

(BLOOD PROTEINS, in various dis.  
pulm. sclero-emphysema)

(HEMOPOIESIS  
disord. of erythropoiesis in pulm. sclero-emphysema)

(BLOOD PLATELETS, in various diseases  
count & morphol. in pulm. emphysema)

*11/10/55*  
DIMITRIU, Ofelia; MICU, Dumitru

Hemocultures with L forms. Stud. cercet. inframicrobiol., Bucur. 8 no.2:  
289-296 1957.

1. Comunicare prezentata la Sectia de stinte medicale a Academiei  
R.P.R. in sedinta din 14 iulie 1955.

(BACTERIA

L forms in hemocultures of patients of febrile dis. prev-  
iously treated with antibiotics)

(ANTIBIOTICS, eff.

prod. of l forms in hemocultures of patients of febrile  
diseases treated with antibiotics)

MICU, D.; ZAMFIRESCU-GHEROGHIU, M.; GRAMATOPOL, D.; MAXIMILIAN, ST.

Value of serum catalase test in control of x-ray therapy. *Exp. stint.*,  
sect. med. 9 no.1:51-69 1957.

(RADIOTHERAPY

control with serum catalase tests)

(CATALASE, in blood

determ. in control of x-ray ther.)

MICU, D.; MAXIMILIAN, Stefan; GEORGESCU, St.; SAFIRESCU, Eugenia

On disorders of thromboplastin formation in hyperthrombocythemia.  
Probl. ter., Bucur. 10 no.2:95-106 '59.  
(BLOOD PLATELETS)  
(THROMBOPLASTIN)

MICU, D.; MAXIMILIAN, Stefania

Coagulation time of blood, citrated, spontaneously sedimented  
and recalcified with calcium chloride in powder. Probl. ter.,  
Bucur. 10 no.2:115-119 '59.

(BLOOD COAGULATION chemistry)

(CITRATES pharmacology)

(CALCIUM pharmacology)



LUFU, N.Gh., Academician; MICU, D.; CUCU, N.; MAXIMILIAN, Stefania

Clinical contributions to the study of idiopathic chronic  
panhemocytopenia. Probl. ter., Bucur. 10 no.4:21-41 '66.  
(ANEMIA, APLASTIC)

MICU, D.; CALALB, A.; SAFIRESCU, Eugenia; MAXIMILLIAN, Stefania

Aspects of the bone marrow and blood before and after splenectomy  
in some systemic diseases. Stud. cercet. med. intern. 2 no.1:69-76  
'61.

(SPLEEN surgery) (HEMATOPOIETIC SYSTEM diseases)  
(HYPERSPLENISM complications)

MICU, D.; GROZEA, P.; MAXIMILLIAN, Stefania; SAFIRESCU, Eugenia;  
GOCIU, Mariana; MATEESCU, Despina

Contribution to the cytological and enzymo-cytochemical study of  
the normal and pathological lymph node.. I. The normal lymph node.  
Stud. cercet. med. intern. 2 no.2:219-226 '61.

(LYMPH NODES chemistry) (ENZYMES chemistry)

(LIPIDS chemistry) (GLYCOGEN chemistry) (NUCLEIC ACIDS chemistry)

MICU, D.; GROZEA, P.; SAFIRESCU, Eugenia; MAXIMILLIAN, Stefania;  
GOCIU, Mariana; MATEESCU, Despina

Contribution to the cytological and enzyme-chemical study of the  
normal and pathological lymph node. The lymph node in acute  
inflammation. Stud. cercet. med. intern. 2 no.3:351-359 '61.  
(LYMPH NODES pathology) (ENZYMES chemistry)  
(INFLAMMATION pathology)

VELICAN, C.; MICU, D.; GROZEA, P.; GOCIU, Mariana

Histochemistry of the glucido-protein complexes in malignant blood diseases. II. Research on reticulosis, reticulosarcoma and lymphosarcoma. Stud. cercet. med. intern. 2 no.4:519-525 '61.  
(LYMPHOMA chemistry) (SARCOMA, RETICULUM CELL chemistry)  
(LYMPHOSARCOMA chemistry) (MUCOPOLYSACCHARIDES chemistry)  
(MAST CELLS chemistry) (LYMPH NODES chemistry)  
(GLYCOPROTEINS chemistry)

MICU, D.; GROZEA, P.; MAXIMILLIAN, Stefania; SAFIRESCU, Eugenia; GOCIU, Mariana; MATEESCU, Deapina

Contribution to the cytological and enzymological study of normal and pathological lymph nodes. III. Lymph nodes in chronic inflammation. Stud. cercet. med. intern. 2 no.4:527-537 '61.

(LYMPH NODES pathology) (ENZYMES chemistry)

(INFLAMMATION pathology)

MICU, D.; VELICAN, C.; GROZEA, P.; MAXIMILIAN, Stefania; MIHAILESCU, Eugenia;  
MATEESCU, Despina

Contribution to the cytological and enzymocytochemical study of normal and pathological lymph nodes. IV. Lymph nodes in reticulosarcomas and lymphosarcomas. Stud. cercet. med. intern. 2 no.5:681-692 '61.

(SARCOMA, RETICULUM CELL chemistry)  
(LYMPHOSARCOMA chemistry)  
(LYMPH NODES chemistry)

MICU, D.; VELICAN, C.; GROZEA, P.; MIHAILESCU, Eugenia; MAXIMILLIAN, Stefania;  
MATEESCU, Despina

Contribution to the cytological and enzymo-cytochemical study of  
normal and pathological lymph nodes. V. Lymph nodes in malignant  
lymphogranuloma. Stud. cercet. med. intern. 2 no.6:n.p. '61.  
(HODGKIN'S DISEASE pathology) (LYMPH NODES chemistry)  
(ENZYMES chemistry) (CYTOLOGY)



MIGU, D., dr.

Considerations on a case of an acute leukemic state caused by irradiation. Med. intern., Bucur 13 no.1:157-160 Ja '61.

(LEUKEMIA case reports)  
(RADIATION INJURY case reports)

MIGU, D., dr.; MAXIMILIAN, Stefania, dr.; SAFIRESCU, Eugenia

New methods for investigation of megakaryopoiesis. Med. intern. 13  
no.10:1445-1452 0 '61.

1. Lucrare efectuata in Institutul de medicina interna al Acad. R.P.R.  
si M.S.P.S. director: Acad. N. Gh. Lupu.

(HEMATOPOIESIS) (MEGAKARYOCYTES)

MICU, D.; MAXIMILIAN, Stefania; BREMIA, Rodica; PILAT, L.

Research on the hematological changes in personnel in radiological services. Stud. cercet. med. intern. 3 no.2:225-231 '62.

(RADIOLOGY) (BLOOD radiation effects)  
(BONE MARROW radiation effects) (RADIATION INJURY)

MICU, D.; VELICAN, C.; GROZEA, P.; MIHAILESCU, Eugenia; MAXIMILLIAN, Stefania;  
MATEESCU, Despina

Contributions to the cytological and enzymocytochemical study of  
normal and pathological lymph nodes. VI. Lymph nodes in leucosis.  
Stud. cercet. med. intern. 3 no.3:357-366 '62.

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Eugenia

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1. Lucrare efectuata in Clinica Institutului de medicina interna al Academiei R.P.R. si a M.S.P.S. (director: acad. N. Gh. Lupu).  
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MICU, D., dr.

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1161-1172 0 '62.

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(LYMPHATIC METASTASIS) (LYMPHOMA)



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(LEUKEMIA) (RADIOTHERAPY) (CATALASE)  
(BLOOD CHEMICAL ANALYSIS)

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(LEUKEMIA, LYMPHOCYTIC)  
(BONE MARROW EXAMINATION)  
(BLOOD CELLS) (MICROSCOPY, FLUORESCENCE)  
(DNA) (RNA)

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Contribution to the knowledge of the circulating lymphocytes  
in chronic hepatitis. (Fluorescence microscopic study). Stud.  
cercet. med. intern. 4 no.6:795-801 '63

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Contributions to the study of lipid disorders appearing in the lymph nodes in some systematic diseases. Stud. cercet. med. intern. 5 no.1:55-57 '64.

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5 no.2:131-144 '64

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SECRET



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The value of investigating some leukocyte phosphatases in various malignant blood diseases. Stud. cercet. med. intern. 6 no.3: 279-285 '65.

MICU, Gh.

Organization of construction material transportation. Probleme  
econ 17 no.1:102-117 Ja '64.

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Country: Romania  
Category: CULTIVATED PLANTS FRUITS. Berries.

Abstr. Ref. REF. BUR-BIOL. 21 1958 NO-96167

Author: Nicu, Ilin  
Instit.: N. Balcescu Agronomic Inst.; Agric. Inst. Bucuresti.  
Title: Observation on Blossom Dropping in Certain Grape Varieties Distributed to the RPR in Hothouses and under the Field Conditions of Bucuresti.  
J. Agr. Gradina, via St. Ilieida, 1957, 6, No.5, 37-40

Abstract: It has been established by experiments made by the N. Balcescu Agronomic Institute and the Agricultural Institute in Bucuresti that when foreign pollen is absent, no seed for cross-pollination in some varieties having functionally female flowers, there is total flower dropping (100% in the hothouse and on the field) in the case where the flowers are half-open, and partial (85% in the hothouses and 76.4% under field conditions) when the flowers are open. Flower shattering in the

Cont: 1/3

Country :

Category : CULTIVATED PLANTS, FRUITS

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Abs. Jour. : REF ZHUR-BIOL., 21, 1958, NO. 96167

Author :

Title :

Orig. Pub. :

Abstract :

... amongst varieties with normally hermaphroditic open flowers the shedding was 29.5% higher than in varieties with the half-open blossoms which were protected from the injurious effects of external factors (low air temperature, strong rain). The degree of flower shedding under field

Cards :

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