

MIESOWICZ, Marian

Current problems and research trends in the scope of nuclear physics in Poland. Nauka polska 10 no.6:29-40 N-D '62.

1. Członek korespondent Polskiej Akademii Nauk, Warszawa.

S/058/62/000/010/027/093  
A061/A101

AUTHOR: Mięslowicz, Marian

TITLE: Latest results on the two-center model

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 31, abstract 10B243  
("Rept. Inst. badań jądrow. PAN", 1961, no. 292/VI, 9 pp., illust.,  
English; summaries in Polish and Russian)

TEXT: The present results were obtained from the statistical analysis of the angular distribution of secondary particles in jet showers of energies higher than  $10^{12}$  ev, as recorded by Polish and Chicago groups. The parameter of anisotropy  $\sigma$  was found to change sharply in individual jets with little evaporation ( $N_h \leq 5$ ). Two angular distribution maxima in the center-of-mass system are often observed in jets of high anisotropy,  $\sigma > 0.6$ , and low multiplicity  $n_s$ . The two-center model describes well the jet showers with  $N_h \leq 5$  and  $n_s < 20$ , which are characterized by a double-humped angular distribution, isotropy in narrow and broad cones, and a correlation between  $n_s$ ,  $\sigma$ , and the coefficient of inelasticity  $K$ . The two-center model does not describe jet showers with  $N_h < 5$  and  $n_s > 20$ .  
[Abstracter's note: Complete translation] V. G.

Card 1/1

Interactions of nucleons of...

S/058/62/000/010/028/093  
A061/A101

explained by the two-center model, if account is taken of secondary interactions between particles emitted by a "slow" center and the target nucleus.

[Abstracter's note: Complete translation]

Card 2/2

S/058/62/000/010/028/093  
A061/A101

AUTHORS: Gierula, Jerzy, Hołyński, Roman, Miśowicz, Marian

TITLE: Interactions of nucleons of energies higher than  $10^{12}$  ev with heavy photoemulsion nuclei

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 31, abstract 10B244  
("Rept. Inst. badań Jądrow. PAN", 1961, no. 291/VI, 7 pp., illust., English; summaries in Polish and Russian)

TEXT: The angular distributions of secondary particles of  $14$  showers of primary energies higher than  $10^{12}$  ev and characterized by large evaporation and high multiplicity ( $N_h > 8$ ,  $n_s > 40$ ) have been investigated. A very clear double-humped angular distribution has been established in central collisions of nucleons with heavy nuclei. This effect grows constantly in proportion to the anisotropy increase of the angular distribution. In showers, in which the narrow and the broad cone are completely separated, asymmetry is observed in the number of particles and in the distribution shapes of these cones. These facts can be

Card 1/2

Statistical Significance of Double Maximum Angular  
Distribution in High-energy Jets

F/045/60/019/01/000000  
B018/B000

established. Thus, the two-center model proved to be a good  
hypothesis. The authors thank Professor N. Dobrotin for his help  
the angular distributions of jets from collaborating laboratories,  
and they also express their gratitude to Dr. D.H. Perkins for the  
material from the H.H. Wills Laboratory, Bristol. There are 1  
figure, 1 table, and 7 references, 2 of which are Soviet.

ASSOCIATION: Institute of Nuclear Research Kraków, and Warszawa General Physics  
Department, School of Mining and Metallurgy, Kraków

SUBMITTED: February 22, 1960

Card 2/2

AUTHORS: Gierula, J., Miesowicz, M.,  
Zieliński, P.

P/045/60/019/01/008/003  
B018/B000

TITLE: Statistical Significance of Double Maximum Angular Distribution  
in High-energy Jets

PERIODICAL: Acta Physica Polonica, 1960, Vol 19, Nr 1, pp 119-121 (Poland)

ABSTRACT: This is a letter to the editor. It was found that the angular distribution of secondary particles emitted in collisions of high-energy nucleons with nucleons or nuclei have the characteristic shape of two symmetric maxima in the coordinates  $dN/dx$  versus  $\log \tan \Theta_i$  ( $\Theta_i$  denoting the angles between the direction of the secondary particles and the primary direction of the bombarding nucleon). On the other hand the hydrodynamic theories predict Gaussian distributions. For an explanation the authors introduced the so-called two-center model. The analysis was made on 56 jets. The two-center model allows to explain the distribution to be a superposition of two separate Gaussian curves. It turned out that the two maxima could be observed only for dispersions greater than 0.6. The authors therefore divided the jets in two classes: 21 events with dispersion smaller than 0.6 and 35 events with the same quantity greater than 0.6 (Fig 1). From table 1 it follows that the existence of the double-maximum angular distribution may be regarded as statistically well

Card 1/2

Double maximum angular distributions .. P/046/60/005/011/012/018  
D249/D303

distribution and also a coordinate convenient for visualizing this  
deviation, have been introduced. [Abstractor's note: Full version]. ✓

ASSOCIATION: Cosmic Ray Department, Institute of Nuclear Research,  
Cracow; General Physics Department, School of Mining  
and Metallurgy, Cracow (J. Gierula, and M. Mięslowicz)  
Cosmic Ray Department, Institute of Nuclear Research,  
Warsaw; Physics Department, University of Warsaw,  
Warsaw (P. Zieliński)

Card 2/2

P/046/60/005/011/012/018  
D249/D303

AUTHORS: Gierula, J., Mięsowicz, M., and Zieliński, P.

TITLE: Double maximum angular distributions in high energy nuclear collisions

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 786

TEXT: Abstract - Report No. 146/VI (IBJ - Institute of Nuclear Research, PAS). A detailed statistical analysis of the shape of the angular distribution of secondary particles generated in 65 nuclear collisions for primary energies higher than  $10^{12}$  eV has been presented. The double maximum shape of the distribution (in the coordinate  $\log \tan \theta$ ) is a general feature of the events with a high degree of anisotropy of secondaries in the CM system. It has been found that the shape of the angular distribution is in agreement with the predictions of the two-center model of multiple meson production both for nucleon-nucleon and nucleon-heavy nucleus collision. A new parameter  $D$ , which is a measure of the deviation from the normal shape of the distribution towards the two-center

Card 1/2 ✓



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POLAND/Nuclear Physics - Cosmic Rays

C-7

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 15208

Author : Babecki J., Jurkiewicz L., Massalski J.M., Mieswicz M.  
Inst : Institute of Nuclear Research, Polish Academy of Sciences,  
Academy of Mining and Metallurgy, Krakow, Poland  
Title : The Transition Curve of the Electron-Photon Component of Ex-  
tensive Air Showers in Lead Absorber of Thickness Between  
0 and 25 cm.

Orig Pub : Acta phys. polon., 1957, 16, No 1-2, 119-133

Abstract : Measurements were made of the absorption curve for particles of extensive atmospheric showers with the aid of the ordinary setup for the registration of extensive showers, consisting of three rows counters and a telescope, consisting of three rows of counters of large area. Simultaneously, there were recorded eight types of coincidences at two positions of the lead absorber with respect to the rows of the telescope counters. The thickness of the absorber was varied from 0 to 25 cm. On the basis of the results obtained the authors have

Card : 1/2

15

MIESOWICZ, M.

19  
 / Nucleon-nucleon interaction with energy greater than  $10^{14}$   
 e.v. P. Ciok, M. Danysz, J. Gierula, A. Jurak, M. Miesowicz, J. Perneg, I. Vrana, and W. Wólczyński (Inst. Nuclear  
 Research, Warsaw). *Nuovo cimento* 6, 1409-15 (1957).—An  
 event of very high energy of  $3.3 \times 10^{14}$  e.v. was discovered  
 in a stack of emulsion irradiated at high altitudes.  
 Allen I. Cohen

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 4030 (2)  
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MIESOWICZ, M

<sup>17</sup>  
 ✓ An electromagnetic cascade of very high energy in the first stage of its development. M. Miesowicz, O. Stanis. and W. Wolter (Inst. Nuclear Physics, Kraków, Poland). *Nuovo cimento* [10], 5, 513-16 (1957) (in English).—The energy of the primary photon was found to be between  $10.4 \times 10^{11}$  and  $4.4 \times 10^{11}$  e.v. There were 34 tracks of electrons with energies  $> 5 \times 10^8$  e.v. within  $200 \mu$  of the origin.

SW  
1/1

5  
4E3e (2)  
4E3e

James R. Oliver

RMR

MIESOWICZ, M.

JANOSY, L.

21(1) PHASE I BOOK EXPLOITATION HUN/1911

International Conference on Cosmic Radiation. Budapest, 1956.  
International Conference on Cosmic Radiation Organized by the  
Hungarian Academy of Sciences. Budapest, 1957. 187 p.  
200 copies printed.

Sponsoring Agency: Magyar Tudományos Akademia

Eds.: E. Fenyves, and A. Somogyi

PURPOSE: This report is intended for geophysicists concerned with  
cosmic radiation.

COVERAGE: This report contains the six plenary sessions of the  
conference. Some of the problems dealt with include nuclear  
emulsions, extensive air showers and the program of cosmic  
ray measurements planned for the International Geophysical  
Year. Most of the field of cosmic radiation. Most of the  
scientists are: E. I. Andronikashvili, M. A. Dobrotin, I. I.  
Gurevich, S. I. Nikolaiy and S. N. Vernov. The articles are  
written in English, German and Russian without parallel trans-  
lations.

Card 1/6

International Conference (Cont.) HUN/1911

- 3. Zavadski, A. The Density Spectrum of Extensive Air Showers 96
- 4. Chapirovska, P. A Few Remarks on the Geomagnetic Effect of  
Extensive Air Showers 110

FOURTH SESSION

EMULSIONS

- 1. Janosy, L. On the Determination of the Energy of a Particle  
From Its Track in an Emulsion 113
- 2. Alper, S., J. Auslander, G. Bercea, and E. M. Friedlander. On  
Mass Estimation of Singly Charged Particles in Emulsions by  
Scattering Measurements 127
- 3. Gurevich, I. I. Study of Elementary Processes of Nuclear  
Interaction by Photo Emulsion Method 128 (not incl)
- 4. Mikheyeva, L. G. and M. M. Malyar. Investigation of  
Elementary Processes of Interaction of Very High Energy in the  
First Stage of its Development 128

Card 4/6

ILLEGIBLE

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MIESOWICZ, M.

MIESOWICZ, M. Demand for power-producing raw material and the problem of atomic energy. p. 149.

Vol. 2, no. 2, 1956  
KOSMOS. SERIA B: PRZYRODA NIEOZYWIONA.  
SCIENCE  
Poland

So: East European Accession, Vol. 6, No. 5, May 1957



ILLEGIBLE

ILLEGIBLE

MIECZYNSKI, D.; JUBELINOWICZ, L.; LURCINI, A.

"A High-Pressure Counter Apparatus for Gamma-ray Well Logging", 2. 217,  
(ACTA CHEMICA POLONICA, Vol. 1, No. 1/4, 1953, Warsaw, Poland)

SC: Monthly List of East European Accessions (MEL), LC, Vol. 4, No. 2,  
March 1955, Uncl.

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1ST AND 2ND ORDERS

PRECEDENCE AND PRIORITY INDIC

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2003 On Some Low Ionizing Radiation Observed by Measurements of Cosmic Radiation at Great Depths. M. Minsowicz, L. Jurkiewicz, and J. M. Massalski. *Phys. Rev.* 77, 360-3(1950) Feb. 1.

By measurements of twofold, threefold, and fourfold coincidences with a Geiger counter telescope, the underground rays at 860 and 940 m water equivalent have been divided into two components. One of the components is ionizing, discharging the counters with almost 100% efficiency, and has a strong maximum in the vertical direction. The other component discharges the counters with a very low efficiency, producing numerous twofold coincidences but practically no threefold or fourfold coincidences. It is isotropic in direction and rapidly absorbed in lead. This second component is thought to be composed of  $\gamma$  rays of local radioactive origin. The telescope used in these experiments differed from that of Barnóthy and Forró in that it was protected from side showers by anticoincidence counters. The ratio of twofold to threefold coincidences was found to be about 1.4 instead of 20 as reported by Barnóthy and Forró at 1000 m water equivalent (*Phys. Rev.* 55, 870(1939)). (auth)

AS - S LA METALLURGICAL LITERATURE CLASSIFICATION

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



MIESOWICZ, Marian

Miesowicz, Marian

A popular description of cosmic rays

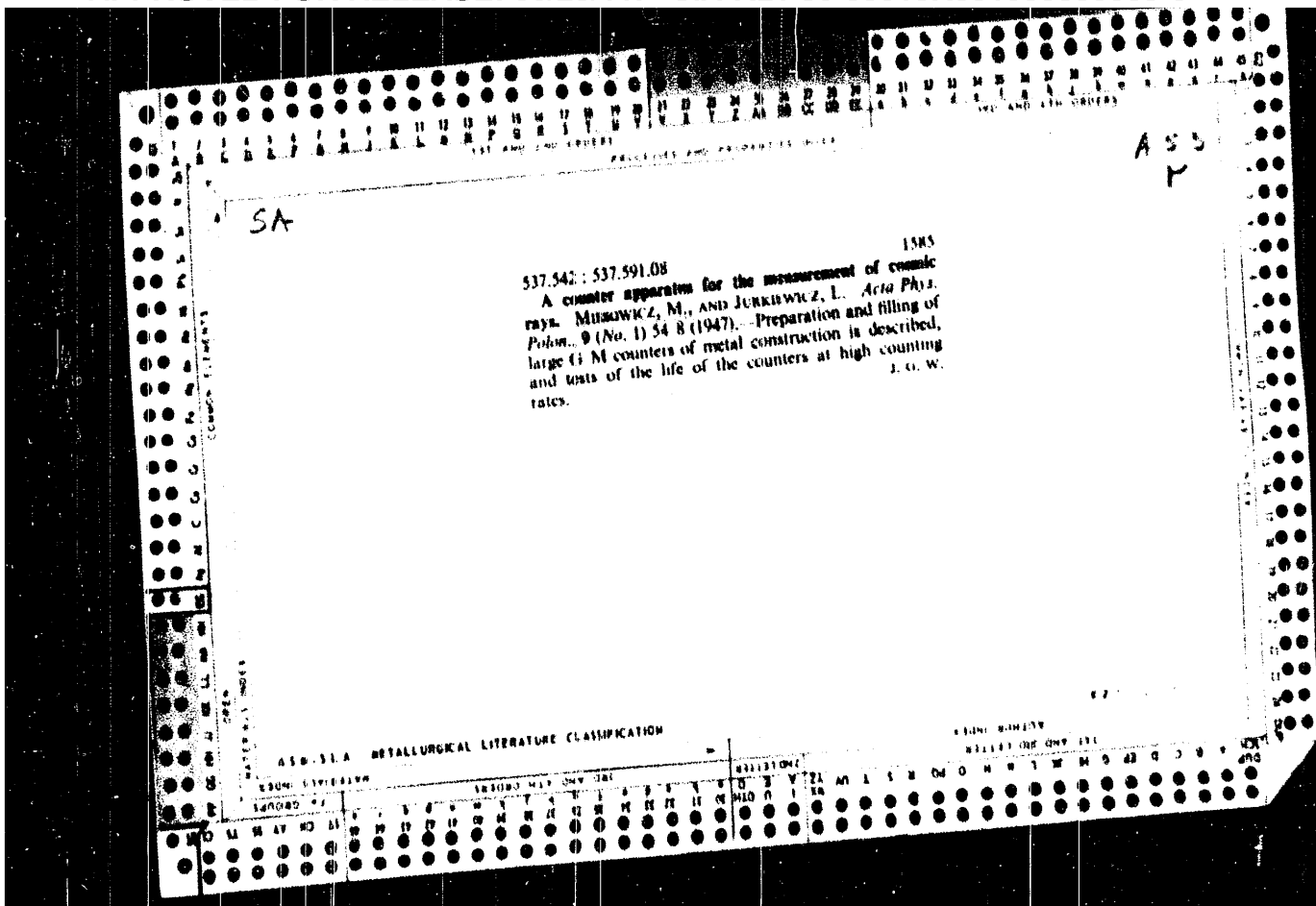
Promienie kosmiczne

(Warszawa) "Gazetnik" (Wiedza powszechna, 732. Zcyklu: Swiatatomow, Zeszyt 12)  
1950, p. 35

From: E. European Accession list, Poland, Vol. 1, No. 8, June 1952, p. 33

MIESOWICZ, MARIAN.

MIESOWICZ, MARIAN. Cosmic rays. Wiedza Powszechna, 1960, no. 732, p. 35.



SA

ASS  
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1585  
537.542: 537.591.08  
A counter apparatus for the measurement of cosmic rays. Miszewicz, M., AND JURKIEWICZ, L. *Acta Phys. Polon...* 9 (No. 1) 54-8 (1947).--Preparation and filling of large GM counters of metal construction is described, and tests of the life of the counters at high counting rates. J. G. W.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION



*CA*

1ST AND 2ND COPIES

3RD AND 4TH COPIES

PROCESSING AND PREPARATION INDEX

*2*

Three coefficients of viscosity of anisotropic liquids. M. Misiewicz (Mining Acad., Cracow). *Nature* 158, 27 (1946); cf. C.A. 20, 7186<sup>1</sup>; 31, 3334<sup>1</sup>.--Mols. were oriented by use of a magnetic field of such strength that the flow did not change the orientation. Viscosities were measured with mols. parallel to the direction of the flow,  $\eta_1$ ; parallel to the gradient of velocity,  $\eta_2$ ; and perpendicular to the direction of flow and to the velocity gradient,  $\eta_3$ . The values for *p*-azoxyanisole at 122° are 0.024 = 0.0005, 0.092 = 0.004, 0.034 = 0.003, resp.; for *p*-azoxyphenetole at 144.4°, 0.013 = 0.0005, 0.083 = 0.004, 0.026 = 0.003, resp. The detn. of  $\eta$  by capillary flow under the usual conditions gives  $\eta_1$ . G. M. Petty

COMMON ELEMENTS

MATERIALS INDEX

COMMON VARIABLES INDEX

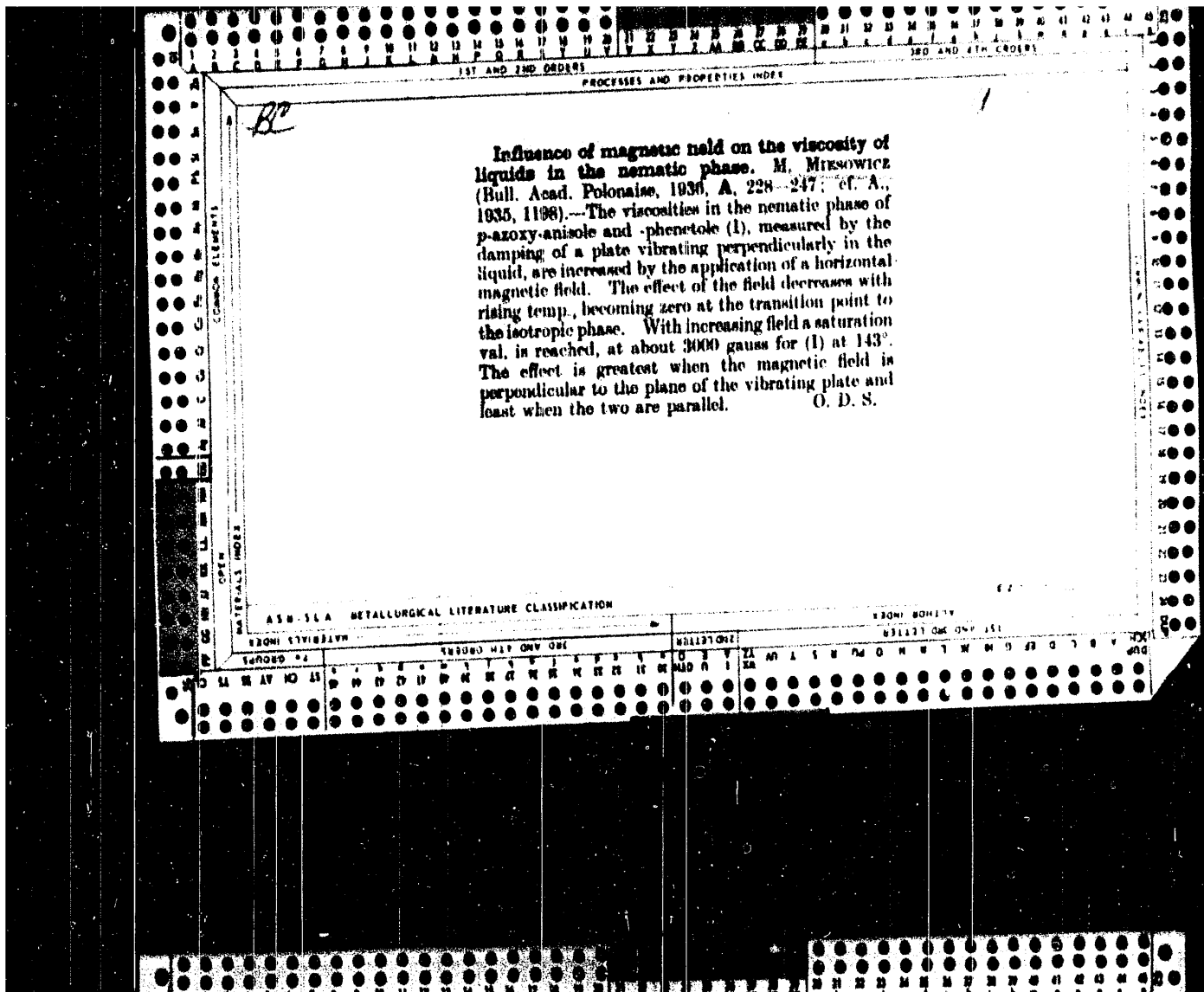
ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

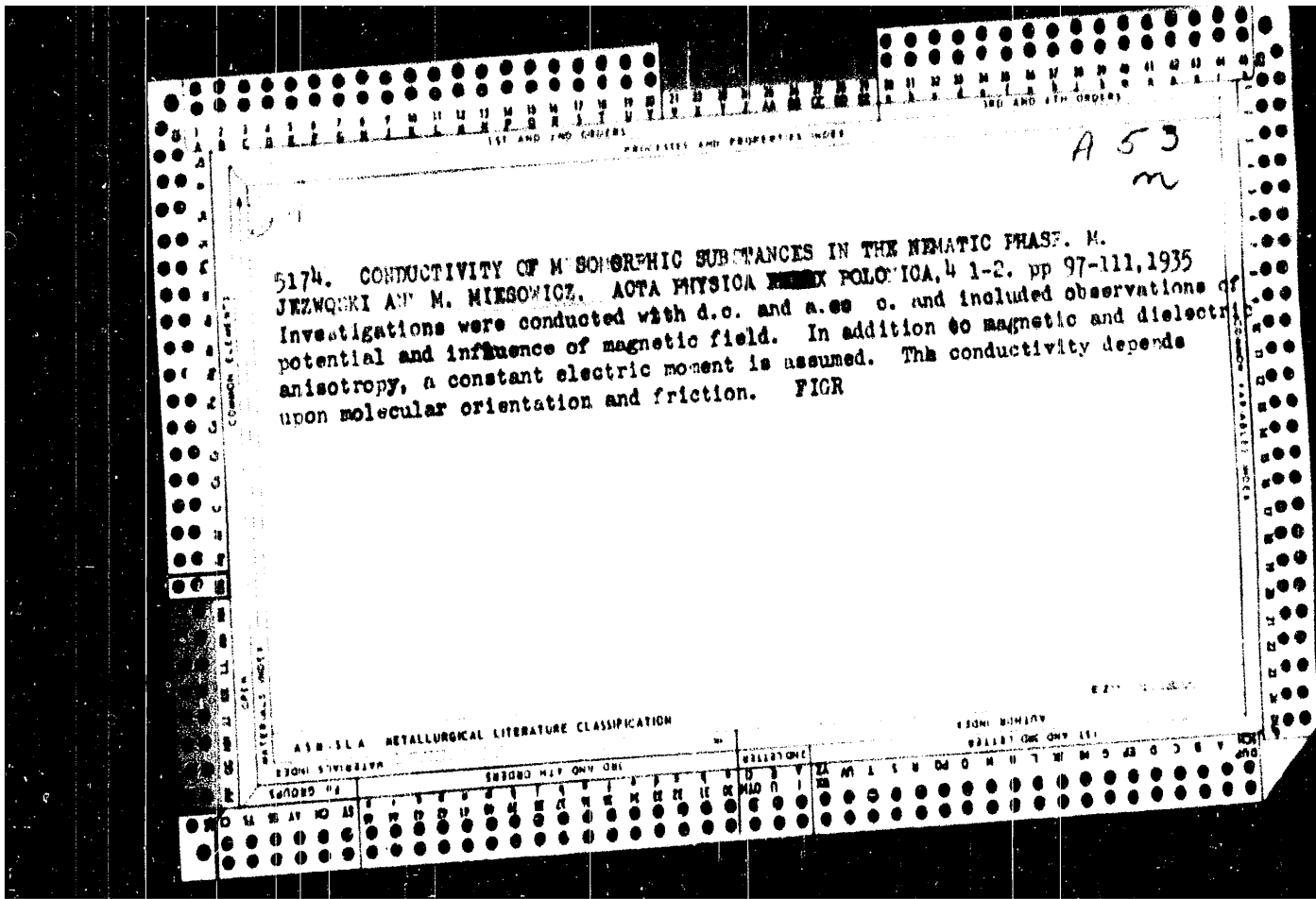
EDGM NOMINATV

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EDGM NOMINATV





The (electric) conductivity of *p*-azoxyanisole. Preliminary communication. M. Jezewski and M. Mirowska. *Acta Phys. Polonica* 3, 279 83(1934)(in German). A method is developed for measuring the cond. of d. c. and a. c. of dielectrics belonging to the class of liquid crystals, in which they are subjected to elevated temps. and a simultaneous action of a magnetic or elec. field of varying intensities. In order to test the equipment, expts. were made with *p*-azoxyanisole. Its cond. for d. c. at 121  $\pm 0.1^\circ$  decreases slowly during several hrs., the ultimate value depending on the purity of the sample. A magnetic field of 4000 gaussers exerts a strong effect on the cond. in all phases of the expt., and to a different degree depending on the direction of the magnetic field in relation to the elec. field and the potential of the elec. field: a longitudinal magnetic field (l. m. f.) increases, a transversal magnetic field (t. m. f.) lowers the cond. slightly. If the potential is 2 v. the increase of the cond. in l. m. f. is 20%, its decrease in t. m. f. is 3%; for 108 v. no increase of the cond. in l. m. f., but a 7.5% decrease in t. m. f. is observed. For a. c. in a l. m. f. of 4000 gaussers the cond. increases to about 300%, while in a t. m. f. but a minute decrease of the cond. is noticed. These preliminary observations prove the assumption of an elec. moment of dipoles.

Wiertelak

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM: 11/19/54

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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A B C D E F G H I J K L M N P Q R S T U V W X Y Z AA BB CC DD EE

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

267. Refractive Indices of Liquids for Short Electric Waves.  
M. Miszowicz. *Acad. Polonaise Sci. et Lettres, Bull.* 2-4 A. pp. 95-101.  
March-April, 1934. In German.—The wave-length in liquids of short-wave electric radiation is obtained by interference. The intensity of the wave is measured after a parallel beam has passed through a layer of liquid, the depth being varied. Then  $\lambda/\epsilon$  equals the difference in depth of the liquid between minimum and maximum intensity. As benzole is non-polar in this region, the wave-length of the radiation, found as above, is multiplied by  $\sqrt{\epsilon}$ , where  $\epsilon$  is the dielectric constant, to obtain the wave-length  $\lambda_0$  in air. This result is used to find the refractive indices "n" for water, some aqueous solutions and ether by the formula  $\lambda_0 = n\lambda$ . For water it is found that "n" is greater for shorter wave-lengths. H. M. B.

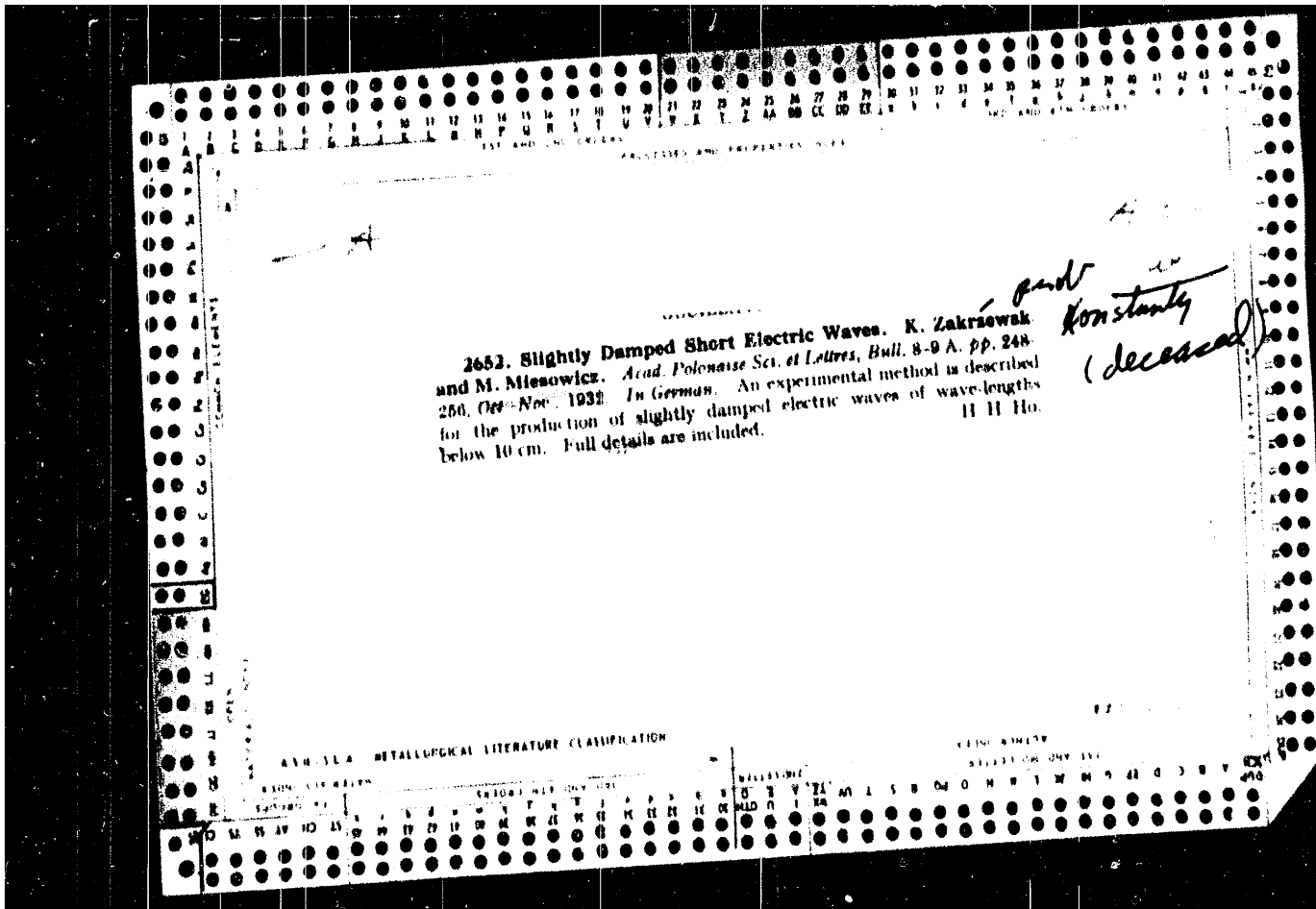
ASSN. S. I. A. METALLURGICAL LITERATURE CLASSIFICATION

SECTION NUMBER

CLASSIFICATION

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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE



MIESZCZYCZ, J.

"Further remarks concerning the magnetophone Tonko."

p. 26 (Radioamator) Vol. 7, no. 10, Oct. 1957  
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

POLAND

MIESOWICZ, Halina, mgr.

Research Laboratory, Nitrogen Industry Works (Zaklad Badawczy Zakladow Azotowych), Tarnow.

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1171-1174.

"Determination by the gas chromatography method of argon in circulating gas of the  $\text{NH}_3$  synthesis."



RABCZYNSKA, Felicja; KUDELSKI, Zygmunt; MIEBLOWA, Paula

Studies on the reactivity of mice after immunization and infection with typhoid bacilli. II. Serologic reactions following applications of live bacilli, killed bacilli or their extracts. Med. dosw. mikrobiol. 15 no.1:13-21 '63.

1. Z Zakladu Badania Surowic i Szczepionek PZH w Warszawie Kierownik:  
prof. dr H. Meisel.

(TYPHOID)

(ANTIBODY FORMATION)  
(SALMONELLA TYPHOSA)

(TYPHOID-PARATYPHOID VACCINES)

L 22599-65  
ACCESSION NR: AP5002515

Engineering, chapter entitled "Probabilistic Logics," McGraw-Hill, 1960) and J. von Neumann (Probabilistic Logics and Synthesis of Reliable Organisms from Unreliable Components, Collected Works, v. V, Pergamon Press, Oxford, 1963), and the correspondence between all results is shown. Orig. art. has: 5 figures and 2 formulas.

ASSOCIATION: Katedra Budowy Maszyn Matematycznych Politechniki Warszawskiej  
(Department of Construction of Mathematical Machines of the Warsaw Polytechnic)

SUBMITTED: 01Jul64

ENGL: 00

SUB CODE: IE, DP

NR REF SOV: 002

OTHER: 000

Card 2/2

L 22519-65 EWT(L)/EEO(b)-1/EWA(h) P1-L/P2-L/P3-L/P4-L/P5-L/Febr

ACCESSION NR: AP5002515

P/0031/64/009/004/0463/0470

AUTHOR: Mlescioki, Jerzy

TITLE: Estimate of the reliability of a simple redundant logical network

SOURCE: Archiwum automatyki i telemekhaniki, v. 9, no. 4, 1964, 463-470

TOPIC TAGS: logic circuit, redundance, circuit reliability, decision element, digital input

ABSTRACT: A method is presented for estimating the logical reliability of a simple redundant logic circuit, which can be used as a repetitive component of more complicated redundant logic networks. To simplify the reasoning, only two-argument functional elements are discussed, but the results can be extended to include a larger number of variables. It is concluded from the results that if the probability of malfunctioning of a single decision element does not depend on the state of the digital inputs, then the interconnection of such elements to form redundant networks does not improve the reliability. This conclusion is verified against the results of R. S. Ledley (Digital Computers and Control

Card 1/2

Mierzwinski, Stanislaw, dr. inz.

Studies on air exchange in a glasshouse. Gas woda i klimat  
38 no.1:29-34 Jan 1961

1. Department of Heating and Ventilation, Technical University,  
Gliwice.

ILLEGIBLE

MIERZWA, Adolf

Electric drive and automation in the process of continuous steel casting. Problemy proj hut maszyn 12 no.6:178-184 Je '64

1. "Biprohut", Gliwice.

MIERZYNSKI, Stanislaw, mgr inz.

Survey of the research works of the Maritime Institute concerning the  
Stettin-Swinemunde fairway. Tech gosp morska 10 no.9:276-278 S '60.  
(EEAI 10:3)

(Poland--Harbors)

MIERZWIŃSKI, W.

"The White stork in Masuria."

p. 17 (Chronmy Przyrode Ojczyzna, Vol. 11, No. 3, May/June, 1958. Krakow, Poland.)

Monthly Index of East European Accessions, (BEAI) LC, Vol. 8, No. 1, Jan. 1959.



BOROWSKI, Jerzy; MIERZEJEWSKI, Wieslaw

Significance and epidemiology of infections caused by *Candida*  
in newborn infants. *Wiad. lek.* 18 no.13:1079-1083 1 XI '66.

1. Z Zakladu Mikrobiologii AM w Gdansku (Kierownik: prof. dr.  
S. Krynski) i z I Kliniki Poloznictwa i Chorob Kobietych AM  
w Gdansku (Kierownik: prof. dr. S. Metler).

DYBICKI, Jerzy; MIERZEJEWSKI, Tadeusz; BARTOSZEWICZ, Tadeusz;  
NARKIEWICZ, Mirosława

Congenital pulmonary hypoplasia. Pol. przegl. radiol. 27  
no.6:449-456 '63.

1. Z II Kliniki Chirurgicznej AMG Kierownik: prof. dr med.  
K. Debicki Z Kliniki Radiologii i Radioterapii Kierownik:  
prof. dr med. W. Grabowski[deceased].  
(LUNG DISEASES) (ABNORMALITIES)  
(THORACIC RADIOGRAPHY) (BRONCHOGRAPHY)

MIERZEJEWSKI, T.; MIRECKI, L.; PENSON, J.; SWICA, S.; WAJDA, Z.;  
WROZOLKOWA, T.

Pheochromocytoma. Diagnostic value of aorto-arteriography and  
therapeutic problems. Kardiol. pol. 6 no.3:155-159 '63.

1. Z II Kliniki Chorob Wewnetrznych Kierownik: prof. dr J.  
Penson z Kliniki Radiologii i Radioterapii Kierownik: prof.  
dr W. Grabowski z III Kliniki Chirurgicznej Kierownik: prof. dr  
Z. Kieturakis z Zakladu Anatomii Patologicznej AM w Gdansk  
Kierownik: prof. dr W. Czarnocki.

(PHEOCHROMOCYTOMA) (ANGIOGRAPHY)

BAJ, Kazimierz; JAGODZINSKI, Janusz; MIERZWINSKI, Tadeusz; NAUMAN, Aleksander

Physical exercise as a factor in the rehabilitation of patients with pulmonary tuberculosis. (Preliminary communication). Gruzlica 29 no.4: 373-380 Ap '61.

1. Z Sanatorium Rehabilitacyjnego im. H. Sawickiej w Otwocku Dyrektor doc. dr med. A. Nauman.

(TUBERCULOSIS PULMONARY rehabil)  
(EXERCISE THERAPY)

MIERZWINSKI, Tadeusz

Determination of Skibinski's cardio-respiratory coefficient  
carried out in the Otwock Rehabilitation Sanatorium. Gruzlica  
25 no.2:155-160 Feb 57.

1. Z Instytutu Gruzlicy Dyrektor: prof. dr. J. Misiewicz i z  
Panstwowego Sanatorium Rehabilitacyjnego im. H. Sawickiej w  
Otwocku Dyrektor: dr. med. A. Nauman. Adres: Otwock, ul.  
Dzierzynskiego 35 m. 18.

(RESPIRATION, in var. dis.

Skibinski's cardio-resp. coefficient in pulm. tuberc.,  
determ. technic (Pol))

(PULMONARY TUBERCULOSIS, physiol.

same)

MIERZWINSKI, Tadeusz

Prognostic significance of fever following penicillin therapy  
in the treatment of syphilis. Przegl.dor.,Warsz. 5 no.6:473-477  
Nov-Dec '55.

1. Z Kliniki Dermatologicznej A.M. w Gdansk. Dyrektor: prof.  
dr. T. Pawlas. Gdansk, Klinika Dermatologiczna Akademii Medycznej,  
Debinka 7a

(SYPHILIS, therapy,

penicillin, prog.value of pyretic reaction)

(PENICILLIN, therapeutic use,

syphilis, progn.value of pyretic reaction)

(FEVER,

pyretic reaction to penicillin, progn.value in syphilis)

*MIEDZINSKI, Francizek; MIERZWIŃSKI, Tadeusz*

MIEDZINSKI, Francizek; MIERZWIŃSKI, Tadeusz.

Methods of the treatment of prurigo. Przegł.derm. Warsz. 5  
no.6:449-455 Nov.-Dec. '55.

1. Z Kliniki Dermatologicznej A.M. w Gdansku. Dyrektor: prof.  
dr Fr. Miedzinski. Gdanski, Klinika Dermatologicznz Akademii  
Medycznej. Debinki 7a.  
(PRURIGO, therapy)

GZHESYUK, S. [Grzesiuk, S.]; MEZHVINSKAYA, T. [Mierzwinska, T.];  
SUYKA, Ye. [Sojka, E.]

Physiology and biochemistry of the development of seeds in  
forage beans. Fiziol. rast. 9 no.6:682-692 '62. (MIRA 15:12)

1. Department of Plant Physiology of Higher Agricultural  
School of Olshan, Poland.

(Broad bean)  
(Seeds)



MIERZWINSKI, Antoni, inż.

The Plock Refinery as the basis of economic development of the Mazowsze region. Przegl budowl i bud mieszk 34 no.4/5:200-201 Ap-My '62.

1. Przewodniczacy Prezydium Warszawskiej Wojewodzkiej Rady Narodwej, Warszawa.

MIERZWIAK, Boleslaw

Testing and repair post of movable pneumatic equipment  
in Railroad Rolling Stock Repair Shops. Przegł kolej  
mechan 11 [i.e. 16] no.3:80-84 Mr '64.

1. Central Locomotive Designing Office, Wroclaw.

MIERZWA, T.

"Aeroplane without a crew" p. 152 (Skrzydla I Motor, Vol. 8, no. 10, Mar 63, Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

MIERZWA, T.

"The invisible ways."p. 63  
(Skrzydla I Motor, Vol 8 No 4 Jan 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

MIERZWA, T.

"The invisible ways." (To be contd) p. 40  
(Skrzydla I Motor, Vol 2 No 3 Jan 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

NOWAK, Jan; NIEZABITOWSKI, Aleksander; MIECZMA, Kazimierz

Value of radiologic examination in the detection of testis  
blastoma. Pol. przegl. radiol. 29 no.1:141-143 Aug 1961.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie (Kierownik:  
prof. dr. J. Kowalczykowa) i z Wojew. Specjalist. Szpitala  
Dziecięcego w Kielcach (Dyrektor: dr. A. Paszkiewicz).

MIERZWA, Kazimierz

Analysis of peptic ulcers and their association with certain diseases. Wiad. lek. 18 no. 21: Suppl. 5-7 15 M ' 65.

1. Ze Szpitala Wojewodzkiego w Kielcach ( Kierownik Pracowni Anat. Pat.: lek. med. K. Mierzwa).

~~MAJEWSKI, Jozef; MIERZWA, Kazimierz~~  
MAJEWSKI, Jozef; MIERZWA, Kazimierz

A case of symmetrical necrosis of the renal cortex in a pregnant woman. Polski tygod. lek. 13 no.2:62-65 13 Jan 58.

1. Z Oddziału Urologicznego Szpitala Wojewodzkiego w Kielcach ordynator: dr Jozef Majewski i z Zakładu Anatomii Patologicznej A. M. w Krakowie; kierownik: prof. dr J. Kowalczykowa. Adres: Kielce ul. Zrodlowa, Blok 16 m. 22.

(PREGNANCY, compl.

bilateral symmetrical necrosis of renal cortex, case report (Pol))

(KIDNEY DISEASES, in pregn.

bilateral symmetrical cortical necrosis, case report (Pol))



MIERZWA, Jerzy

Cutaneous innervation of the leg in the monkey *Macaca mulatta*.  
Roczn. po,. akad. med. Swierczewski 11:197-215 '65.

1. Z Zakladu Anatomii Prawidlowej i Topograficznej Pomorskiej  
Akademii Medycznej (Kierownik: prof. dr. med. Adam Krechowicki).

BOROWSKI, Jerzy; IZIBIŃSKI, Tomasz; HIMPALJEWSKI, Wiesław; IZIBIŃSKA,  
Teresa; IWANOWSKI, Zdzisław

Dynamics of vaginal infection (*Candida albicans*) in the  
newborn ward. *Hygiene*, vol. 39 no. 6: 661-669, June 1964.

1. Z Zakładu Mikrobiologii Akademii Medycznej w Gdańsku  
(nauczelnicy: prof. dr J. Borowski), i z I Kliniki Pielęgniarstwa  
i Chorób Kobiecych Akademii Medycznej w Gdańsku (nauczelnicy:  
prof. dr S. Keller).

ILLEGIBLE

MIERZEJEWSKI, Wieslaw; LETOWSKI, Antoni

Remote results after surgical treatment of cervical cancer in the 1st  
Obstetric and Gynecological Clinic of the Academy of Medicine in Gdansk.  
Ginek. pol. no.4:475-479 '62.

1, Z I Kliniki Polonictwa i Chorob Kobietych AM w Gdansk u Kierownik:  
prof. dr. med. S. Metler.  
(CERVIX NEOPLASMS)

MIERZEJEWSKI, W.

P O L .

3344

634.050.36 : 654.892.4

Mierzejewski W., Niedzwiedzki P. On Studies Relating to Renovation Developments of Nest Fellings.

„Z badań nad przebiegiem odnowienia w rełni gniazdowej”. Sylwan. No. 1, 1954, pp. 51-58, 6 figs., 1 tab.

To investigate the influence on the development of pine, fir and oak seedlings on the size and shape of nests in nest cuttings, 11 experimental areas were established in a 70-year old pine-tree stand on a mixed forest site. A short description is given of the method of investigation, and the resulting figures are cited relating to solarization, air and soil temperature, and humidity on specific experimental areas during the vegetation period. The most suitable conditions for renovating the species under discussion are indicated. It was found that the most harmful influence on cultivation is exerted by extensive temperature and moisture fluctuations.

DILLING-OSTROWSKA, Ewa; SZELOZYNSKA, Katarzyna; MIERZEJEWSKI, Tadeusz;  
PRYCKOWSKI, Jerzy

A case of post-trauma in thrombosis of the common carotid artery in a 6-year-old boy. Neurol., neurochir., psychiat. Pol. 15 no.1:179-181 Ja-F'65.

1. Z Oddziału Neurologii Dziecięcej im. J. Korczaka, Kliniki Neurologicznej Akademii Medycznej w Gdansk (Kierownik: prof. Z. Majewska) ; z Zakładu Radiologii Akademii Medycznej w Gdansk (Kierownik: prof. dr. W. Grabowski [deceased], oraz z II Kliniki Chirurgicznej Akademii Medycznej w Gdansk (Kierownik: prof. dr. K. Debicki).

ZMORZYNSKI, Ryszard; BOZYK, Lubomira; MIERZEJEWSKI, Tadeusz

Clinical and radiological picture of tumors of the spinal cord  
in children. Neurol. neurochir. psychiat. pol. 13 no.4:479-482  
'63.

1. Z Oddziału Neurologii Dziecięcej im. J. Korczaka AM w  
Gdansku Kierownik: prof. dr Z. Majewska z Oddziału Neurochirurgii  
III Kliniki Chirurgicznej AM w Gdansku Kierownik: prof. dr  
Z. Kieturakis z Zakładu Radiologii AM w Gdansku Kierownik:  
prof. dr W. Grabowski.  
(SPINAL CORD NEOPLASMS) (RADIOGRAPHY)  
(NEOPLASM DIAGNOSIS)

SZULCZYNSKA, Krystyna; MIERZEJEWSKI, Tadeusz

Osseous changes during the course of chronic kidney diseases.  
Polski tygod. lek. 16 no.39:1494-1496 25 S '61.

1. Z I Kliniki Chorob Wewnętrznych A.M.G.; kierownik: prof. dr  
M. Gorski i z Zakładu Radiologii A.M.G.; kierownik: prof. dr  
W. Grabowski.

(KIDNEY DISEASES compl) (BONE DISEASES etiol)



SZELEZYNSKI, Kazimierz; STAROSCIAK, Tadeusz; MIERZEJEWSKI, Tadeusz

Broncholithiasis. Gruzlica 28 no.11:911-916 N '60.

1. Z Kliniki Ftyzjatrycznej A.M. w Gdansku, Kierownik: prof.  
dr med. T.Kielanowski. Z II Kliniki Chirurgicznej A.M. w Gdansku  
Kierownik: prof. dr med. K.Debicki; z Zakladu Radiologii A.M.  
w Gdansku, Kierownik: prof. dr med. W.Grabowski.  
(BRONCHI dis)

DOBRZANSKA, A.; MIERZEJEWSKI, T.

Chromatographic separation of free amino acids of blood in epidemic hepatitis in children. Polski tygod. lek. 13 no.34:1301-1303 25 Aug 58.

1. Z Kliniki Pediatricznej A. M. w Lublinie; kierownik: doc. dr med. W. Klenacki i z Zakladu Chemii Fizjologicznej Wyzd. Wet. W. S. R. w Lublinie; kierownik: prof. dr. J. Skulmowski. Adres: Lublin, ul 22 lipca 8a m. 6.

(HEPATITIS, INFECTIOUS, BLOOD IN  
free amino acids, chromatography (Pol))

(AMINO ACIDS, in blood  
free amino acids in infect. hepatitis in child.,  
cchromatography (Pol))

*Mierzejewski T.*  
DOBRZANSKA, Alina; MIERZEJEWSKI, Tadeusz; ORDYNSKI, Jan

Dysproteinemia in vascular hemorrhagic diathesis of the purpura hyperglobulinemica type. Polski tygod. lek. 13 no.5:176-178 3 Feb 58.

1. Z Kliniki Pediatricznej A. M. w Lublinie; kierownik: doc. dr med. W. Klepacki. Adres: Lublin, 22 Lipca 8-a m. 6.

(BLOOD PROTEINS

dysproteinemia in purpura hyperglobulinemica in child,  
(Pol))

(PURPURA, NONTHROMBOPENIC, in inf. & child

hyperglobulinemica with dysproteinemia, case report(Pol))

MIRZEJEWSKI, T.  
PARNAS, J.

Results of biochemical and immunobiological research on Brucella brucei.  
p. 221.

ACTA MICROBIOLOGICA POLONICA. (Polskie Towarzystwo Mikrobiologow. Sekcja Mikrobiologii  
Ogolnej, Rolniczej i Przemyslowej)  
Warszawa. Vol. 7, no. 3, 1958.  
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 6, no. 6, June 1959  
Uncl.

DOBRZANSKA, A.; MIERZEJEWSKI, T.; UMINSKI, J.

Electrophoretic studies on blood proteins in toxoplasmosis. *Wiadomosci parazyt.*, Warsz. 4 no.5-6:401-402; Engl. transl. 403 1958.

1. *Z Klin. Pediatrycznej Ak. Med.*, Zakladu Chemii Fizjolog. WSR. i Zakladu Parazytologii IMPW w Lublinie.

(TOXOPLASMOSIS, blood in,  
proteins, electrophoresis (Pol))

(BLOOD PROTEINS, in v<sub>er</sub>. dis.  
toxoplasmosis, electrophoresis (Pol))

DOBRZANSKA, Alina; MIERZEJEWSKI, Tadeusz

Chromatographic separation of free amino acids in the blood serum in liver cirrhosis in children. Polski tygod. lek. 11 no.51:2159-2162 17 Dec 56.

1. (Z Kliniki Pediatrycznej A.M. w Lublinie, kierownik: doc. dr. med. W. Klepacki i z Zakladu Chemii Fizjologicznej Wydzialu Wet. WSR; kierownik: prof. dr. J. Skulimowski) Lublin, ul. 22 Lipca 8a m. 6.

(LIVER CIRRHOSIS, in infant and child,  
blood amino acids, chromatography (Pol))

(AMINO ACIDS, in blood,  
in liver cirrhosis in child., chromatography (Pol))

PARNAS, J.; MIERZEJEWSKI, T.

Biochemical and immunochemical studies on Brucella. Acta microb.  
polon. 5 no.3-4:353-370 1956.

1. Z Zakladu Antropozoonoz Instytutu Medycyny Pracy i Higieny  
Wsi w Lublinie.

(BRUCELLA

biochem. & immunochem. studies (Pol))

PARMAS, J.; MIERZEJEWSKI, T.; FELTYNOWSKI, A.; LAZUGA, K.

Comparative studies on properties of Pasteurella tularemiæ, Pasteurella multocida, Pasteurella rodentium and Brucella brucei. Ann. Univ. Lublin; sec.D 10:207-228 1955.

1. Z Działu Antropozoonoz Instytutu Med. Pracy Wsi w Lublinie i Pracowni Mikroskopu Elektronowego P.Z.H. w Warszawie.

(PASTEURELLIA,

multocida, pseudotuberculosis, P. tularensis & Brucella brucei, comparison (Pol))

(BRUCELIA,

brucei, comparison with Pasteurella multocida, P. tularensis & P. pseudotuberculosis (Pol))



MURZEJEWSKI, T.

POL. W

✓ Polysaccharides of the ectoplasm of *Corynebacterium equi*. T. Murzejewski, *Acta microbiol. Polon.* 1954, 4, 21-28. The polysaccharide combined with protein was isolated by treating *C. equi* cells with phenol. The products of hydrolysis of this polysaccharide were examined by paper chromatography using pyridine-butanol-water, pyridine-butanol-5% trichloroacetic acid and alcohol-water systems. Glucose, galactose, xylose and arabinose were identified. By extraction of *C. equi* cells in the cold with ethanol, acetone and ether, a yellow pigment and the lipid fraction were obtained; these forming 5-8% of the dry wt. of the cells. I. M. Reiter.

MIERZAJEWSKI, T.

## P.U.L. 8

V Determination of amino acids in hydrolyzates of bays of *Medicago sativa*, *Oenothera sativa*, *Trifolium pratense*, *Vicia faba minor*, and *Lupinus luteus* by the paper chromatography method. *Annales de l'Institut de Chimie de Lublin, Polona, Ser. DD, 3, 337-36 (1957/58) (English summary).*

The bays of these 5 plants were hydrolyzed with HCl at 130° for 6 hrs., then given the same treatment for 24 hrs. at room temp. The hydrolyzates were kept at -4° and a two-dimensional paper chromatography was undertaken on Whatmann No. 1 and 41 paper of 26 × 28 cm. Also, 0.015 ml. of hydrolyzate was used each time. In one direction the chromatogram was developed with  $\text{C}_2\text{H}_5\text{OH}-\text{H}_2\text{O}$  7:3, in the other one with  $\text{PrOH}-\text{H}_2\text{O}$  7:3. It was possible in this way to identify clearly, in addition to one spot which could not be ascribed to any known substance, the following acids: leucine (I), isoleucine (II), methionine (III), valine (IV), phenylalanine (V), proline, tryptophan (VI), tyrosine, asparagine, threonine, lysine, glycine, serine, glutamic acid, aspartic acid, asparagine, cystine (VII), arginine (VIII), and histidine (IX). Band II and also II, IV, and V appeared together on the same spot in the two-dimensional chromatogram, but could be easily sep'd.: I from II with  $\text{BaOH}-\text{AcOH}-\text{H}_2\text{O}$ , II, IV, and V from each other with  $\text{BaOH}-\text{MeOH}-\text{H}_2\text{O}$ , III from V with  $\text{C}_2\text{H}_5\text{OH}-\text{H}_2\text{O}-\text{NH}_3$ . III, VI, VII, VIII, and IX are present in minute amounts only. From the size and colors which the spots show with ninhydrin *V. faba minor* and *O. sativa* form one group of plants, the other 3 belong to a sep. group. Wernse Jacobson

PARNAS, Jozef; THEILE, Heinz; MIERZEJEWski, Tadeusz.

Investigations on antigenic and nonantigenic brucellin. Ann.  
Univ. Lublin; sec. D. 8:117-128 1953.

1. Z Instytutu Medycyny Pracy Wsi w Lublinie, Dyrektor: prof.  
dr. Jozef Parnas. Dzial Antropozoonoz. Kierownik: prof. dr.  
Jozef Parnas.

(BRUCELLA,

brucellin, antigenic & non-antigenic)

PARNAS, Jozef; LAZUGA, Kazimierz; MIERZEJEWSKI, Tadeusz.

Attempted application of hemagglutination reaction in diagnosis of brucellosis. Ann.Univ.Lublin; sec.D 8:53-62 1953.

1. Z Instytutu Medycyny Pracy Wsi w Lublinie. Dyrektor: prof. dr. Jozef Parnas. Dzial Antropozoonoz. Kierownik: prof. dr. Jozef Parnas.

(BRUCELLOSIS, diagnosis,  
serol.hemagglut.reaction.)

(HEMAGGLUTINATION,  
diag.of brucellosis)

Mierzejewski, T.

POL . . .

✓ Animal corynebacterie, with particular reference to *Corynebacterium equi*. J. Parnas, T. Dabrowski, S. Stepkowski, Z. Lorkiewicz, and T. Mierzejewski. *Ann. Univ. M. Curie-Sklodowska*, 1952, 7, 203-382. This detailed monograph includes bacteriology, serology, immuno-chemistry and epizootiology. The described characteristics of the different corynebacteria have been investigated. The causative agent of dangerous pyobacillosis in foals, *C. equi*, has been studied in great detail and recommendations for treating the disease include use of streptomycin, vaccine III and Camphochin. A recommendation of early and frequent vaccination of foals is given. Included E.M. photographs show that *C. equi* has a capsule and the bacteriophage of *C. equi* is established, it exhibits a prophylactic action in experiments. Twenty collected strains have an identical species-group antigen and a type-specific one. Antigenic heterogeneity is present among the strains of *C. pyogenes*, *C. pyogenes humanum* is closely antigenic to *C. pyogenes bovis*, indicating the possibility of the transfer of infection from bovines to man.

④

E. M. RATTENBURY.

MIERZEJEWSKI, S. [deceased]

Microscope stages for nuclear emulsion measurements. Acta physica  
Pol 21 no.6:659-663 Je '62.

1. Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.

BORECKA, D.: DOLZKO, H.: KLEPACKI, W., KRAWCZYNSKA, H., MIERZEJEWSKI, M.  
NARBUTOWICZ, B. PARNAS, J.: PERLINSKA, L., STASKIEWICZ, J.

Research on etiology of infantile diarrhea in Lublin region. *Pediat. polska* 30 no.3:231-242 Mr '55.

1. Z Zakladu Mikrobiologii keraskiej A.M. w Lublinie, Kierownik:  
prof. dr J. Parnas; Z. Kliniki Chorob Dzieciacych, A.M. w Lublinie,  
Kierownik: prof. dr med. W. Klepacki, Lublin, Stalingradska, 85.  
Zakl. Mikrobiologii Lek. A.M.

(DIARRHEA, in infant and child  
bacteriol. eticle in Poland)

ILLEGIBLE



POLAND

MIERZEJEWSKI, Jerzy, Service Center of the Veterinary Service (Osrodek  
Badawczy Sluzby Weterynaryjnej) Pulawy

"Fluorescence of Botulinum Toxin"

Warsaw, Medycyna Doswiadczalna Mikrobiologia, Vol 18, No 4, 1968; p. 370-  
374

Abstract [English summary modified]: Exposure to high temperature, alkalinity or acidity, affected fluorescence of crude type C botulinum toxin and its hydrolysates as well as purification. In general, the measurement of toxin fluorescence for its detection and concentration seems to be without value. 3 graphs; 3 Western, 4 Polish references.

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ACC NR: APC0000260

concentration of gluconic, succinic, and levulinic-isoleucine acids, which are present in large quantities, is subject to considerable variation. It is concluded that the basis for variations in the succinic acid concentration cannot be determined from the experimental material although it is possible to state that the decrease in succinic acid in hogs with epizootic disease is similar to that in hogs with other infectious diseases.

SUB CODE: 06/ SUPP DATE: none / ORIG REF: 000/ OTH REF: 000

Card 2/2 *PLS*



ILLEGIBLE

MIERZEJEWSKI, Jerzy

Sensitivity of laboratory animals to botulinum toxin, type C.  
Przegl. epidem. 18 no.1:77-84 '62.

1. Z Ośrodka Badawczego Służby Weterynaryjnej.

TOS-LIPTY, Sabina; MIERZEJEWSKI, Jerzy; UMINSKI, Jerzy

Studies on toxoplasmosis in dogs examined by means of complement fixation and intracutaneous tests. Wiad. parazyt. 10 no.4:385-386 '64.

1. Instytut Medycyny Pracy i Higieny, Lublin, i Główny Ośrodek Badawczy Służby Weterynaryjnej, Puławy.

39954

S/263/62/000/001/005-009

1004/1204

261  
 AUTHOR Mierzejewski, Jerzy  
 TITLE Fast liquid flow control regulator  
 PERIODICAL Referativnyy zhurnal, otdel'nyy vypusk. Izmeritel'naya tekhnika, no 1, 1962, 41, abstract 32.1.258. P. Szybko dziający regulator przepływu cieczy (Centralne Biuro Konstrukcyjne Obrabiarek. Przedsiębiorstwo Państwowe). Polish patent, class 42q, 1/20, no 42734, December 11, 1959

TEXT A device is patented which controls the position of the sliding valve of a servo mechanism that constitutes a part of an electro-hydraulic regulator. The electromagnet, normally employed, has a yoke which pushes the piston covering openings of the sliding valve, provides not more than 40 switchings per second. In order to increase the speed of action it is proposed to replace the electromagnet with a magnetostrictive rod. The length of such a rod varies with the current which flows through the turns of a coil made to surround the rod and it can thus control the amount of fluid which passes through the sliding valve. There are 2 figures.

[Abstracter's note: Complete translation.]

Card 1/1

✓

MIERZEJEWSKI, J.

Elements of electric copying systems. p.497.

MECHANIK. (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich)  
Warszawa, Poland. Vol.32, No.9, Sept. 1959.

Monthly list of East European Accession (EEAI) LC, Vol.9, no.1, Jan.1960

Uncl.



ILLEGIBLE

MIERZEJEWSKI, J.

Some possibilities of testing the smoothness of surfaces. p.233.

MECHANIK. (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich)  
Warszawa, Poland. Vol.28, no.6, June 1955.

Monthly list of East European Accession. (EEAI) LC, Vol.9, no.1, Jan.1960

Uncl.

*Moravjovskij, J.*

*1958. Response with a speed of measurement with pneumatic  
pneumatic measuring device (in German), *Feingewerkzeug* 4, 12, 1958,  
367, 1957, 1957.*

*Author analyzes the response in a step input for biologic source  
with pneumatic comparator. Experimental confirmation is good in  
the slow region (10 to 160 usec), but is not checked in the fast in-  
portant high speed region. That response speed is inversely pro-  
portional to the volume of the measuring cross-section, and propor-  
tional to the size of the initial reaction is well known. More  
controversial is the conclusion that response is slowed down by  
increase in supply pressure. There is no experimental confirma-  
tion of this last statement.*

*Mech 1 3*

*E. G. Loeven, USA*

*gpl*

M. B. P. 2001, 1

44 420.101.381: 31.02.3

Shchepetil'nik, I. Possibilities of Increasing the Accuracy and Measuring Range of Pneumatic Interfering Indicators.

O povyshenii tochnosti doizhmetov i obzaru miazimozgo skalkulirov glikokolomnie y pneumatichnykh. Prikladnaya Mekhanika, No. 4, 1958, pp. 45-50, 15 figs.

Description of a new measuring "rod" constructed for a pneumatic interfering indicator. The main component of this "rod" is a thin metal leaf approx. 0.1 mm thick, in the centre of which is drilled a hole for falling in the air. The area of the leaf surface around the hole is surrounded with a bulging zig-zag line. The leaf is attached to a rubber roll which presses it against the surface to be tested. Next, the author describes the method of determining the measurement area and gives a diagram of a differential system of such a pneumatic comparator which makes operation possible over a large measurement area and does not require constant inlet pressure.

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VMP

*Handwritten initials*

MIERZEJEWSKI, J

3488

831710821: 83.088

Mierzejewski J. Operation Speed of Pneumatic Gauges.

„Szybkość działania czujnika pneumatycznego”, Przegląd Mechaniczny, No. 4, 1954, pp. 110-113, 8 figs.

P.O.L. J

The wide use in engineering practice of pneumatic gauges for the checking of dimensions and grading of machine parts according to size. Instruments of this type reveal the phenomenon of delay in the indications -- a feature which influences the speed of operation. The author has evolved equation which determine the time during which the pressure in the chamber of the instrument varies and the time of delay in the indications. An experiment was conducted to check these equations, and the results so obtained have made it possible to determine, in functions of time, the pressure variations in the chamber of the instrument. It follows from these equations that: 1) the delay is in inverse proportion to the section of the inlet jet; 2) the delay in the indications is in proportion to the volume of the chamber; 3) an increase in the diameter of the pressure gauge tub increases the delay in indications; 4) the delay in the indications is, for all practical purposes, independent of the position in which the instrument is working; 5) a low inlet pressure is recommended for quick acting pneumatic gauges.

Handwritten initials or signature.

MIERZEJEWSKI, J.

POL.

3142

621.D.013/014

Mierzejewski J. Influence of Friction on Chip Formation in Metal Cutting.

Wplyw tarcia na formowanie sie wiorn przy skrawaniu metalu".  
Przeglad Mechaniczny, No. 6, 1953, pp. 208--213, 20 figs.

The author deals with the main types of chips occurring during metal cutting operations, particular reference being made to the "continuous" flow-type of chip. Influence of the position of the shearing surface on the extent of plastic strain in the chip and on the cutting process. Details are given of the types of chip deformation, together with examples for comparing results of cutting force computations, with

empirical data for the variability of cutting force according to variations in the coefficient of friction.

M 25

MIERZEJEWSKI, Jan, mgr inz.

Video signal coder for color TV. Prace Inst teletechn 8  
no.1:89-98 '64.

Test pattern generator for testing black-white and color  
TV receivers. Ibid.:99-104 '64

1. Scientific Research Laboratory, Institute of Telecommuni-  
cation and Radio Engineering, Warsaw.

MIERZEJEWSKI, Jan, mgr. inż.

Video delay lines. Przegl telekom 35 [i.e. 36] no. 8:  
226-230 Ag '63.

1. Instytut Tele- i Radiotechniczny, Warszawa.



MIERZEJEWSKI, Jan, mgr inz., adiunkt; SUCHARZEWSKA, Elzbieta, mgr inz.,  
asystent

Problems of signal generation of color bars. Prace Inst teletechn  
6 no.2:75-96 '62.

1. Zaklad Telewizji Odbiorczej, Instytut Tele- i Radiotechniczny,  
Warszawa (for Mierzejewski). 2. Pracownia Pomiarow Kolory-  
metrycznych, Instytut Tele- i Radiotechniczny, Warszawa (for  
Sucharzewska).

MIERZEJEWSKI, J.

(21)

- Warsaw, Koŕoŕna Weterynarjan, Vol 18, No 2, February 1962.
1. "The Role of Animals in the Problem of Tumors," Prof. Dr. Aleksander KUMORSKI; pp 63-68.
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