

LEWANDOWSKA, Janina; SIELICKA, Bronislawa

Use of an auto-vaccine in allergic diseases in children. Preliminary communication. *Pediat. pol.* 38 no.10:897-903 0 '63.

1. Z I Kliniki Pediatricznej AM we Wroclawiu Kierownik: prof. dr med. H. Hirszfeldowa i z Katedry Mikrobiologii Weterynaryjnej WSR we Wroclawiu Kierownik: prof. dr med. A. Skurski.
(VACCINE THERAPY) (ALLERGY)

LEWANDOWSKA, Janina

Side effect of drugs in children. *Pediat. pol.* 38 no.10:
933-941 0 '63.

(POISONING) (PSYCHOPHARMACOLOGY)
(ANTIBIOTICS) (ANTIHISTAMINICS)
(TETRACYCLINE) (VITAMINS)
(CHLORAMPHENICOL) (ERYTHROMYCIN)
(SULFONAMIDES) (ANTITUBERCULAR AGENTS)

LEWANDOWSKA, Janina; MATHEISEL, Krystyna; RUDKOWSKI, Zbigniew

Finger-sweat test and examination of chlorides in the saliva
in children with bronchial asthma. Pol. tyg. lek. 19 no.43:
1640-1643 26 0 '64

1. Z I Kliniki Pediatricznej Akademii Medycznej we Wroclawiu
(Kierownik: prof. dr. med. Hanna Hirszfildowa [deceased]).

STANDOROVA, Janina

Studies on the appearance of leuko-aggutinins in some diseases
in children. *Pediat. Pol.* 39 no.8:945-949 Ag '64

I. Z I Kliniki Pedyatrycznej Akademii Medycznej we Wroclawiu
(Kierowniks prof. dr. med. H. Hirszfelkowa [deceased]).

CHILMAN, A.; BLOCH, B.; LEWANDOWSKA, J.

Radiologic changes in reticuloendotheliosis of the Abt-Letterer-Siwe type. Pol. przegl. radiol. 29 no.4:373-379 J1-Ag '65.

1. Z I Kliniki Pediatricznej AM we Wroclawiu (Kierownik: prof. dr. med. T. Nowakowski).

LEWANDOWSKA, Janina; ZDEBSKA, Eugenia

Rupture of gastric ulcer in an infant. Pol. przepl. chir. 37
no.7:722-724 J1 '65.

1. Z II Kliniki Chorob Dzieci AM w Krakowie (Kierownik: prof.
dr. B. Halikowski) i z II Kliniki Chirurgicznej AM w Krakowie
(Kierownik: prof. dr. J. Oszacki).

HALIKOWSKI, Boguslaw; oraz wspolpracownicy: EJSMONT, Leokadia; FOLTYN, Halina; KUROWSKA-TAYLOR, Aleksandra; LEWANDOWSKA, Janina; STOPYROWA, Janina; WYSZKOWSKI, Jerzy

Clinical syndromes in changes of the extracellular osmolality and volemia associated with severe pneumonia in children. Pt.1. Pediat. Pol. 40 no.7:657-668 J1 '65.

1. Z II Kliniki Chorob Dzieci AM w Krakowie (Kierownik: prof. dr. med. B. Halikowski).

LEWANDOWSKI, Janusz, mgr. inz.

Block diagrams of pneumatic controllers. Pomiar automatyka
kontrola 8 no.2:73-76 F '62.

KOPYSC, Zbyslaw; LYSZKOWICZ, Adela; LEWANDOWSKA, Krystyna; STABROWSKI, Mieczyslaw

Diffuse scleroderma in an infant (Scleroderma diffusa). ~~Polish Medical Journal~~
Pediat. polska
32 no.7:847-853 July 58.

1. Z Oddzialu Dzieciecego Szpitala Wojewodzkiego w Zielonej Gorze
Dyrektor szpitala: dr med. Z. Pieniezny i z Oddzialu Niemowlecego Woj-
ewodzkiego Szpitala Dzieciecego w Poznaniu. Dyrektor szpitala; dr med.
M. Szenic. Adres: dr Z. Kopysc, Zielona Gora, ul. Moniuszki 39 m l.
(SCLEREMA NEONATORUM, case reports
(Pol))

SZCZEPSKI, Olech; GONGERZEWICZ, Maria; LEWANDOWSKA, Krystyna

Significance of additional staphylococcal infections during infant diarrheas. Polski tygod. lek. 14 no.41:1835-1838 12 Oct 59.

1. (Z II Kliniki Chorob Dzieciacych A. M. w Poznaniu; kierownik: doc. dr med. Olech Szczepski).

(DIARRHEA, in inf. & child,
(STAPHYLOCOCCAL INFECTIONS, in inf. & child)

LEWANDOWSKA, Krystyna; MILLA, Jan

A case of mediastinal pneumothorax during the course of whooping cough pneumonia and septicemia. *Pediat.polska* 35 no.2:211-215
F '60.

1. Z II Kliniki Chorob Dzieci A.M. w Poznaniu. Kierownik: doc.
dr.med. O. Szcsepki.

(SEPTICEMIA in inf.& child.)
(PNEUMONIA in inf.& child.)
(WHOOPIING COUGH compl.)
(PNEUMOTHORAX in inf.& child.)

POL.

3210

677.641.2:613.9:643.597

Tuszyńska S., Myszkowska K., Wóźniak W., Lewandowska K. Determination of Folic Acid by the Use of *Streptococcus Faecalis* R.

„Ornactanie kwasu folowego przy pomocy *Streptococcus Faecalis* R”. *Przemysł Chemiczny*, No. 2, 1954, pp. 63-66, 1 fig, 1 tab.

A method is described of determining pteroylglutamic acid by using *Streptococcus Faecalis* R. It was found possible to simplify the growth medium by removing from its composition the basic nutrient, the liver extract and folic acid. Optimum concentration of the strain was established. A method is explained of obtaining casein hydrolysate free from vitamins which can be used for microbiological determination of folic acid, as well as for determining other vitamins of group B. This method simplifies investigation and increases the accuracy of determination.

3

LEWANDOWSKA, K.

3863

577.16 B₆

Tuszyńska S., Myszkowska K., Woźniak W., Lewandowska K. Microbiological Method of Determining Vitamin B₆ in Multivitamin Preparations. CH

„Mikrobiologiczna metoda oznaczania witaminy B₆ w preparatach wielowitaminowych”. Przemysł Chemiczny. No. 11, 1954, pp. 577—578, 1 fig., 1 tab.

A microbiological method of determining vitamin B₆ complex in multivitamin preparations, using *Saccharomyces carlsbergensis* 4228 on the basis of the Atkin test. How to prepare casein hydrolysate free of vita-

min B₆ using ultraviolet rays is described together with optimal concentration of strain dispersion and the technique of homogeneous inoculation. As a means of saturating with oxygen, uniform shaking of samples was performed at constant temperature. This method makes it possible to determine the vitamin B₆ in multivitamin preparations containing large quantities of vitamin B₁ (thiamine).

(3)

TUSZYNSKA, St; MYSZKOWSKA, K; WOZNIAK, W; LEWANDOWSKA, K.

Effect of vitamin P on capillary resistance in vitamin C deficiency in guinea pigs. Acta physiol.polon. 6 no.1:99 106 1955.

1. Z Zakladu Badania Organopreparatow i Witamin. Kierownik: mgr. I. Iwanowska, Instytutu Lekow w Warszawie. Dyrektor: prof. dr P. Kubikowski.

(CAPILLARIES,

resist., eff. of vitamin P on in exper. scurvy)

(VITAMIN P, effects,

on capillary resist. in exper. scurvy)

(SCURVY, experimental,

eff. of vitamin P on capillary resist. in)

"APPROVED FOR RELEASE: Monday, July 31, 2000

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APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929710C

TUSZYNSKA, ST.; MYSZKOWSKA, K.; WOZNIAK, W.; TAUTT, J.; LEWANDOWSKA, K.

Effect of sulfoguanidine on degree and order of inhibition of synthesis of digestive thiamine, ryboflavin and nicotinic acid amide in rat. Acta physiol. polon. 8 no.3:556-557 1957.

1. Z Zakładu Badania Organopreparatów i Witamin Instytutu Leków w Warszawie
Dyrektor: prof. dr P. Kubikowski.

(VITAMIN B COMPLEX, metabolism,
eff. of sulfoguanidine in rats (Pol))

(AMIDINES, effects,
sulfoguanidine on vitamin B complex metab. in rats (Pol))

LEWANDOWSKA, K.

PERMAN/Trans and Animal Physiology (Normal and Pathological) Metabolism. Vitamins.

The Jour : *Acta Physiol. Polon.*, No 6, 1979, 865-875
 Author : *Charyszak, S., Myszkowski, K., Worniak, V., Tust, J., Lewandowska, K.*
 Inst :
 Title : *The Influence of Sulfoxidation on the Degree and Sequence of Dilution of Synthesis of Nicotinic Acid, Riboflavin and Nicotinic Acid in Beta Intestines*
 Orig Pub : *Acta physiol. polon., 1979, 6, No 6, 771-781*
 Abstract : *The influence of sulfoxidation (S) on the synthesis of vitamins B₂ and PP in the intestines of rats was studied by determining the indicated vitamins in the urine and liver of the animals. The influence of PP synthesis took place fastest, than by the increase of S synthesis, higher doses of I were recorded. The smallest content of indicated vitamins in urine was noted after*

Card 1/2

- 18 -

the introduction of I in the amount of 0.1-0.175 g per rat. With introduction of small doses of I after small time intervals, the decrease of synthesis of vitamins in the intestines was more significant than in introduction of the whole dose at once.

Card 2/2

WALCZAK, Mieczyslaw; MACIEJEWSKI, Janusz; FELLMANN, Krystyna; LEWANDOWSKA,
Krystyna

Familial adrenogenital syndrome with salt depletion. Pediat.
Pol. 40 no.8:825-830 Ag '65.

1. Z II Kliniki Chorob Dzieci AM w Poznaniu (Kierownik: prof.
dr. med. O. Szczepski).

LEWANDOWSKA, Maria; LANGER, Janusz

Early results and complication of the treatment of pulmonary tuberculosis by thoracoplasty. Gruzlica 27 no.4:299-306 Apr 59.

1. Z Zakładu Fizjochirurgii SDKL w Sanatorium im. dr O. Sokolowskiego
Kierownik prof. dr med. W. Rzepecki Państwowy Zespół Sanatoriów
Przeciwgruzliczych w Zakopanem Dyrektor: dr med. St. Frenkel.
(THORACOPLASTY)

LEWANDOWSKA, Maria

Streptomycin-resistance phenomenon in pulmonary resection performed under the protection of viomycin. Postepy hig. med. dosw. no.2:55-56 '60.

1. Z Zakładu Ftyzjochirurgii S. D. L. w Sanatorium im. dra O. Sokolowskiego w Zakopanem Kierownik: prof. dr Wil Rzepecki.

(STREPTOMYCIN ther) (PNEUMONECTOMY)
(VIOMICIN ther)

LEWANDOWSKA, Maria

Anesthesia in 1-stage bilateral resection. Postepy hig. med. dosw.
no.2:74-75 '60.

1. Z Zakladu Ftyzjochirurgii S.D.L. Sanatorium im. dra O. Sokolowskiego
w Zakopanem Kierownik: prof. dr Wit Rzepecki.

(PNEUMONECTOMY anesth & analg)
(ANESTHESIA INTRATRACHEAL)

LEWANDOWSKA, Teresa; GWIAZDA, Zygmunt

Determination of thionyl chloride in a technical product. Chem anal 6
no.1:29-35 '61. (EEAI 10:7)

1. Analytical Department, Institute of Organic Industry, Warsaw.

(Thionyl chloride)

LEWANDOWSKA-ROGOZINSKA, Danuta; SURKONT, Wanda

Conservative treatment of bronchiectasis. *Pediat. Pol.* 40 no.5:
505-507 My '65.

STANSEK, Jozef; GREGORZYK, Janusz; LEWANDOWSKA-TOKARZ, Anna

Studies on the effect of prolonged vertical vibrations of low frequency on biochemical disorders in guinea pigs. I. Effect on the activity of alanine and aspartate aminotransferase in the blood serum and liver of the guinea pig. Med. dosw. mikrobiol. 16 no. 4:347-353 '64.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

STANOSEK, Jozef; GREGORCZYK, Janusz; LEWANDOWSKA-TOKARZ, Anna

Biochemical changes in guinea pigs under the influence of large doses of hydrocortisone. I. Effect on serum proteins and protein fraction level and on the relative weight of the liver in guinea pigs. *Endocr. Pol.* 16 no.1:89-96 Ja-F'65

1. Katedra i Zakład Chemii Fizjologicznej Śląskiej Akademii Medycznej w Zabrzę-Rokitniczy (Kierownik: prof. dr. S. Jozkiewicz).

GREGORCZYK, Janusz; LEWANDOWSKA-TOKARZ, Anna; STANOSEK, Jozef; GLAB, Maria.

Studies on acoustic stress with the effect of simultaneous horizontal mechanical low-frequency vibrator on biochemical changes in guinea pigs. Med. pracy 16 no.2:124-129 '65.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

GRDJURCZYK, Janusz; STANOSEK, Jozef; LEWANDOWSKA-TOKARZ, Anna

Biochemical changes in guinea pigs treated with large doses of hydrocortisone. II. Effect on the activity of alanine aminotransferase and aspartate aminotransferase in the blood serum and in the liver and of gamma-glutamyl transpeptidase in the blood serum. Endokr. Pol. 16 no.2:189-194 Mr-Ap'65.

1. Katedra i Zaklad Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

LEWANDOWSKA-TOKARZ, Anna; GREGORCZYK, Janusz; STANOSEK, Jozef;
DUJANOWICZ, Anna

Studies on the acoustic stress action with simultaneous action
of horizontal mechanical vibration of lower frequencies on bio-
chemical changes in guinea pigs. Pt.2. Med. pracy 16 no.4:278-282
'65.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskej AM w Zabrze-
Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

WTT-66 EWT(1)/FS(v)-3 DD

ACC NR: AP5027166

SOURCE CODE: PO/0056/65/016/005/0701/0708

AUTHOR: Gregorczyk, J. -- Gregorchik, Ya.; Lewandowska-Tokarz -- Levandovska-Tokazh;
Stanosek, J. -- Stanosek, Yu.; Hepa, J. -- Gepa,

ORG: Institute of Physiological Chemistry, Silesia AM, Zabrze-Rokitnica (Zaklad
Chemii Fizjologicznej Sl. AM)

TITLE: The effects of physical work and work under conditions of noise and vibration
on the human organism. I. Behavior of serum alkaline phosphatase, aldolase, and
lactic dehydrogenase activities

SOURCE: Acta physiologica polonica, v. 16, no. 5, 1965, 701-708

TOPIC TAGS: human physiology, working condition, man, medical experiment, biologic
vibration effect, noise effect

ABSTRACT: An experiment was performed on 62 workers employed in a large industrial
establishment in Silesia to study the effects of stress on the human body. Of these,
37 worked under stress of noise, vibration, and dust, and the remaining 25 worked
without noise or vibration. All the workers were in good health prior to the ex-
periment. Evaluation of the results obtained showed that there was a statistically
significant increase in the activities of serum aldolase and lactic dehydrogenase in
workers subjected to stress. The serum alkaline phosphatase showed a decrease in the

Card 1/2

L 10734-66

ACC NR: AP5027166

activity of this enzyme. It is assumed that the stress factors studied produce changes in the sugar metabolism of the body. Orig. art. has: 4 tables. d

[08]

SUB CODE: 06 SUBM DATE: 09Dec64/ OTH REF: 019/ ATD PRESS: 4/66

OC
Card 2/2

L 10465-66 EWT(1)/FS(v)-3 DD

ACC NR: AP5027167

SOURCE CODE: PO/0056/65/016/005/0709/0714

32
B

AUTHOR: ~~Gregorczyk, J. - Gregorchik, Ya. (Member of physiological chemistry dept.);~~
~~Lewandowska-Tokarz, A. - Levandovska-Tokazh, A. (Member of physiological chemistry~~
~~dept.); Stanosek, J. - Stanosek, Ya. (Member of physiological chemistry dept.);~~ Glab, M. -
Glomb, M. (Member of physiological chemistry dept.)

ORG: Department and Institute of Physiological Chemistry, Silesia AM, Zabrze-Rokitnica
(Katedra i Zaklad Chemii Fizjologicznej Sl. AM)

TITLE: The effects of physical work and work under conditions of ²noise and ²vibration on the
human organism. II. Behavior of aspartic and alanine aminotransferase, Gamma-glutamyl
transpeptidase, lactic dehydrogenase, and L-idytol dehydrogenase activities

SOURCE: Acta physiologica polonica, v. 16, no. 5, 1965, 709-714

TOPIC TAGS: human physiology, working condition, man, medical experiment, biologic
vibration effect, noise effect

ABSTRACT: An experiment was performed on 49 workers employed in a large industrial
establishment in Silesia to study the effects of stress on the human body. Of these, 25 worked
under stress of noise, vibration, and dust, and the remaining 24 were employed as
designers working without noise or vibration. A statistical evaluation of the results showed a
26% increase in the activity of aspartic transaminase and a statistically significant decrease

Card 1/2

2

L 10465-66

ACC NR: AP5027187

in the activity of lactic dehydrogenase (-36%) in the workers subjected to stress. The increase in transaminases is considered as a possible increase in the transamination process in workers subjected to stress. Orig. art. has: 1 table. [08]

SUB CODE: 06 / SUBM DATE: 29Dec64 / OTH REF: 017/ ATD PRESS: 4167

HW
Card 2/2

LEWANDOWSKA-TOKARZ, Anna; GREGORCZYK, Janusz; STANISEK, Jozef;
DUJANOWICZ, Anna

Examination of the effect of prolonged low frequency vertical vibration on biochemical disorders in guinea pigs. II. Effect on the level of total lipids, cholesterol and phospholipide in the blood serum and on the ascorbic acid level in the adrenal glands. Med. doaw. microbiol. 17 no.1:71-75 '65.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskie Akademii Medycznej w Zabrazu-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

LEWANDOWSKI, Andrzej

Management of the most severe forms of tetanus based on a case. Polski tygod. lek. 13 no.20:753-756 19 May 58.

1. Z III Kliniki Chirurgicznej A. M. w Poznaniu; kierownik: doc. dr Jerzy Borszewski) Adres: Poznan, III Klin. Chirurg. A. M.

(TETANUS, ther.

management of a very severe case (Pol))

STENGERT, Krzysztof; SZUBERT, Edward; LEWANDOWSKI, Andrzej.

Treatment of thrombophlebitis with pantheğin-hydergine (PH 203)
Polskie arch.med. wewn. 28 no.5:819-822 1958.

1. Z III Kliniki Chirurgicznej A.M. w Poznaniu Kierownik: doc. dr med.
J. Borszewski i z I Kliniki Ginekologiczno-Polozniczej w Poznaniu
Kierownik: doc dr med. W. Michalkiewicz. Adres autora: Poznan, III
Klinika Chirurgiczna A.M.

(ERGOT ALKALOIDS, ther. use

hydergine in thrombophlebitis, with N,N-diethyleucinon-p-
amino benzoic acid. methanesulfonate (Pol))

(AMINOBENZOATES, ther. use

N,N-diethyleucinon-p-amino benzoic acid methanesulfonate
in thrombophlebitis, with hydergine (Pol))

(THROMBOPHEBITIS, ther.

hydergine & N,N-diethyleucinon-p-amino benzoic acid
methanesulfonate (Pol))

LEWANDOWSKI, Andrzej

Our observations on the treatment of severe forms of tetanus with lytic cocktail, curare and continuous controlled respiration. Przegl.epidem. 14 no.2:163-169 '60.

1. Z III Kliniki Chirurgicznej A.M. w Poznaniu Kierownik Kliniki:
Doc. dr Jerzy Borszewski [deceased]
(TETANUS ther)
(HIBERNATION ARTIFICIAL)
(CURARE ther)
(RESPIRATION ARTIFICIAL)

GEDLICZKA, Otmar; MARCZYNSKA, Antonina; SKAWINSKI, Stefan;
SZNAPKA, Zbigniew; LEWANDOWSKI, Adam; ZONTEK, Franciszek

The bromsulphalein (BSP) half-time ($t_{1/2}$) in rabbits
following hemorrhage. Pol. tyg. lek. 18 no.40:1481-1482 30 S '63.

1. Z II Kliniki Chirurgicznej AM w Krakowie; kierownik: prof.
dr J. Ossacki.

(SULFOBROMOPHTHALEIN) (LIVER FUNCTION TESTS)
(HEMORRHAGE) (BLOOD VOLUME)

PIETRZYK, Ignacy; SOWINSKA, Barbara; LEWANDOWSKI, Adam

Effect of fractures of long bones on the composition of blood proteins.
Chir. narzad. ruchu ortop. pol. 27 no.4:457-462 '62.

1. Z II Kliniki Chirurgicznej AM w Krakowie Kierownik: prof. dr
J. Oszacki.

(FRACTURES)

(BLOOD PROTEIN DISORDERS)

GEDLICZKA, Otmar; SKAWINSKI, Stefan; SZNAPKA, Zbigniew;
LEWANDOWSKI, Adam

Peripheral venous pressure in post-hemorrhagic states. Polski
przeegl. chir. 35 no.1:49-55 '63.

1. Z II Kliniki Chirurgicznej AM w Krakowie Kierownik: prof.
dr J. Oszacki.

(HEMORRHAGE) (BLOOD PRESSURE) (VEINS)

LEWANDOWSKI, Andrzej

POLAND

LEWANDOWSKI, Andrzej

Plant Physical Chemical Laboratory of the TEWA Semi-Conductor
Factory (Zakładowe Laboratorium Fizyko-Chemiczne "TEWA"),
Warsaw

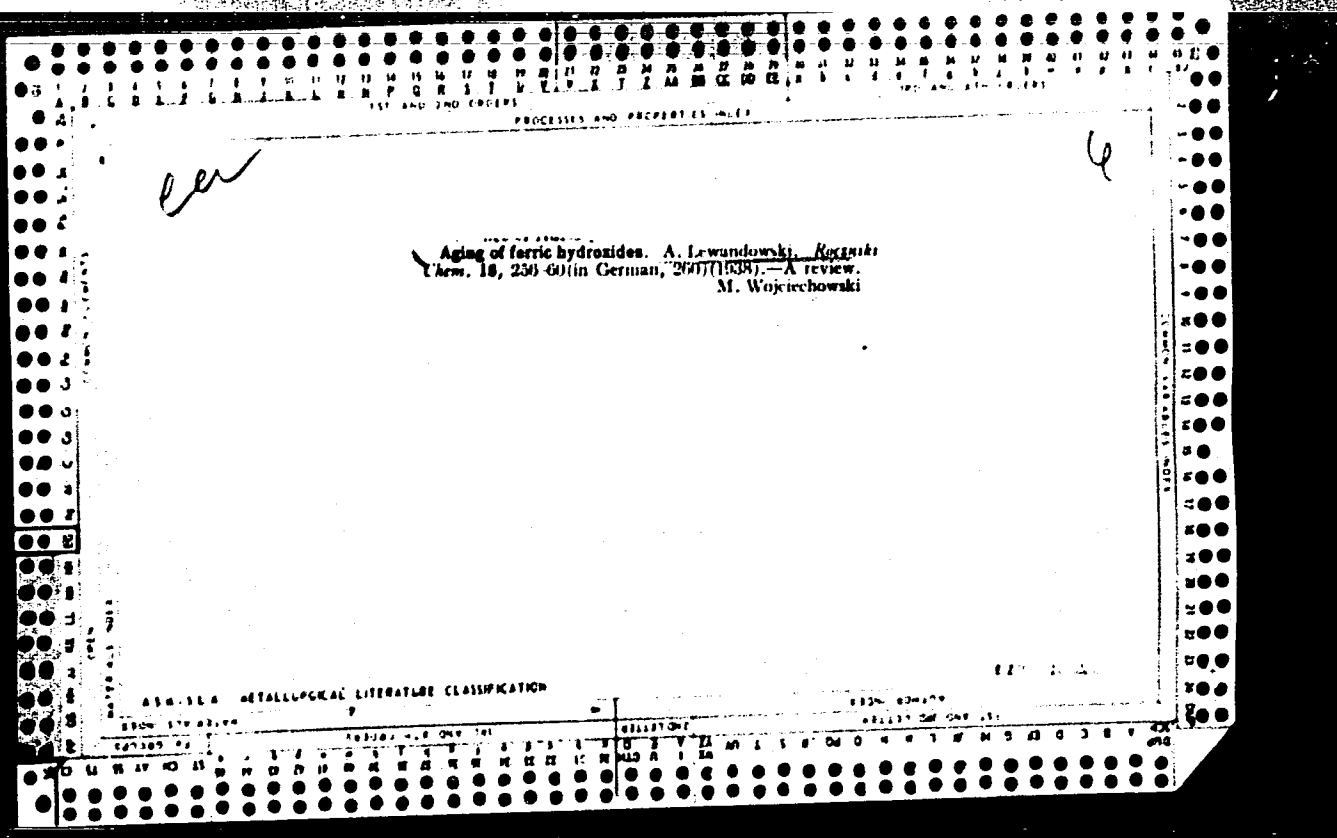
Wroclaw, Przegląd elektroniki, No 9, September 65, pp
499-507.

"Surface Preparation of Germanium Dice for Semiconduc-
tor Manufacturing".

LEWANDOWSKI, Andrzej

Surface preparation of germanium dice for production of semiconductor parts. Przegl elektroniki 4 no.9:499-506 S'63

1. Zakladowe Laboratorium Fizyko-Chemiczne, Fabryka Polprzewodnikow TEWA. Warszawa.



CA

Chemical properties and classification of natural ferric hydroxides. Anzelm Lewandowski. *Arch. mineral. soc. Pol. Facis* 17, 170-80 (in English, 1960(1947); *cf. C.A.* 26, 4517; 33, 4519. -The hydrous Fe oxides are classified on the basis of their reactions with Ag salts to form ferrites, and by their catalytic effect on the oxidation of org. matter by H₂O₂. Michael Pleischer

B

ABSTRACTS OF CHEMICAL LITERATURE CLASSIFICATION

| CLASSIFICATION | DATE | AUTHOR | TITLE | ABSTRACT |
|----------------|------|--------------------|--|--|
| 170-80 | 1960 | Anzelm Lewandowski | Chemical properties and classification of natural ferric hydroxides. | Arch. mineral. soc. Pol. Facis 17, 170-80 (in English, 1960(1947); cf. C.A. 26, 4517; 33, 4519. -The hydrous Fe oxides are classified on the basis of their reactions with Ag salts to form ferrites, and by their catalytic effect on the oxidation of org. matter by H ₂ O ₂ . Michael Pleischer |

CA

7

Chemical and x-ray analysis of some mixtures of ferric hydroxide. A. Lewandowski (Univ., Poznan, Poland). *Kwartalnik Chem.* 23, 255-6 (1949) (English summary). The presence of goethite and hydrohematite in mixt. with large quantities of ferric hydroxide can be detected by dissolving the hydroxide in cold 22.5% HNO₃. In this way it is possible to prove the presence of the least component in a simpler way and with more certainty than by the x-ray method.
Edward A. Ackermann

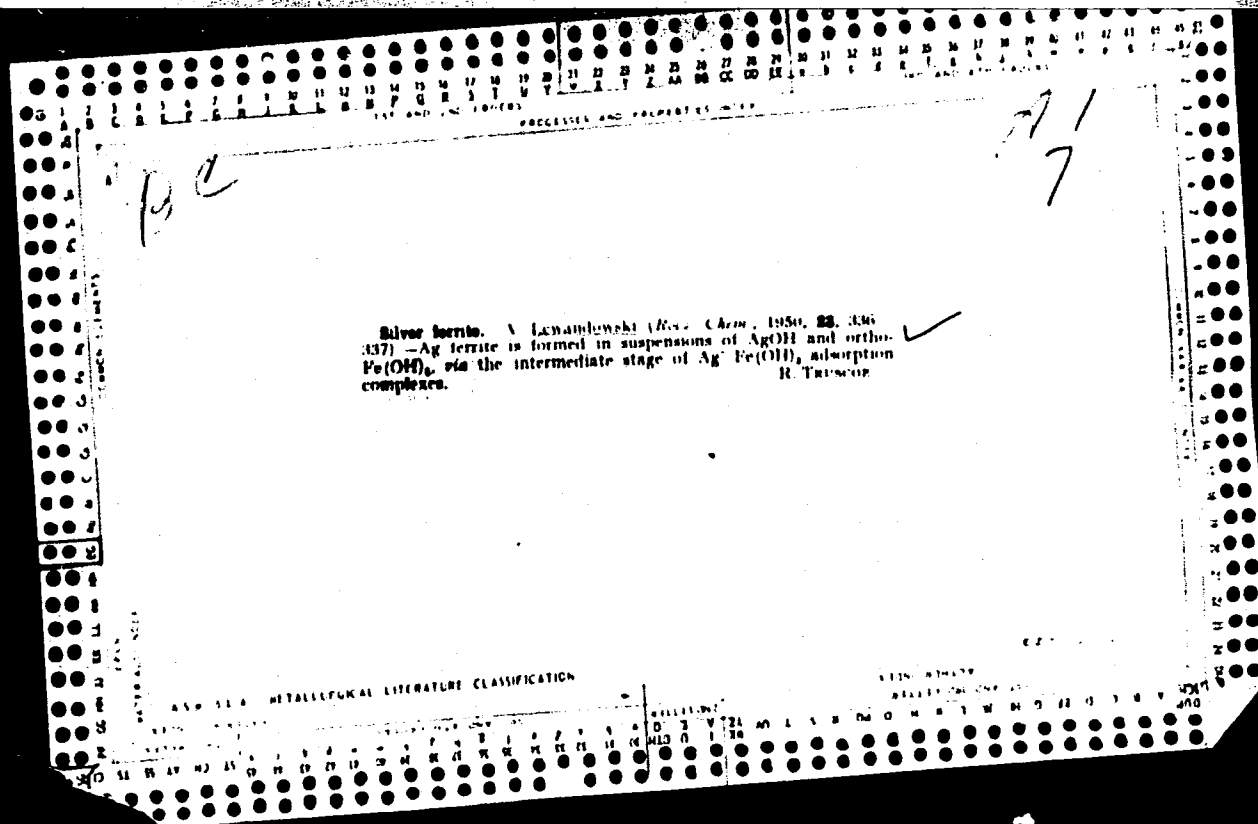
194

6

CA

Characteristics of silver ferrite. A. Lewandowski (Univ.,
Poznan, Poland). *Roczniki Chem.* 28, 335-7 (1949) (English
summary).--The formation of Ag ferrite from $Fe(OH)_3$
and Ag_2O in the presence of water at 20° is described.
Edward A. Ackermann

7951



LEWANDOWSKI, A.

Analytical Abstr.
Vol. 1 No. 1
Jan. 1954
Inorganic Analysis

① Chem
41. A spot test for aluminum. A. Lewandowski
(*Recen. Chem.*, 1953, 27 [2], 209-216) ~~in order to~~
detect Al a few drops of the examined solution are
placed on a piece of filter-paper, which is then
immersed for 5 min. in 1% aq. NH_3 solution contain-
ing 10 per cent. of NH_4NO_3 . After the paper has
been washed in water and dried superficially, a
mixture of NaF or KF and an indicator is sprayed
on it, so colouring the spots containing Al. A list
of sensitive indicators some of which are capable of
detecting 10 p.p.m. of Al is given. Elimination of
interfering ions is discussed; Ti, Zr, Mn, Be, Ta and
Nb interfere most. S. K. LACHOWICZ

MF
922-37

Partition chromatography in the qualitative analysis of
inorganic compounds. ~~Adriana Lesniakowska, Pol-~~
~~na, Poland. Rozprawy Chem. 1970, 6, 4-12. Chro-~~
matographic equipment and analytical procedures are re-
viewed. 18 references. Adam Sporzynski

Lewandowski, A.

M. TADMAN.
Quantitative determination of small quantities of zinc. A.
Lewandowski and W. Kielczewski (*Rozzn. Chem.*, 1954, 28, 295-
299). ~~Zn~~ solution is placed with a micropipette on a strip of
filter paper near a narrow tongue attached to the bottom end.
The paper is impregnated with uranyl ferrocyanide or dithizone.
The strip is then hung over a glycerol-water (1 : 1) bath at 100°
with the tongue end touching the surface of the water. Water
diffuses upwards producing a spot, the surface of which is \propto the
concn. of Zn in the solution. Estimations of few μg . of Zn can be
made by this method in under 30 min. with an accuracy of $\pm 2\%$.
S. K. LACHOWICZ.

(1) *MA* *SW*

LEWANDOWSKI, A.

LEWANDOWSKI, A. Oznaczanie ołowiu metoda impregnacyjna. Poznan, Panstwowe Wydawn, Naukowe, 1955. 20 p. (Poznanskie Towarzystwo Przyjaciol Nauk. Komisja Matematyczno-Przyrodnicza. Prace, t. 7, zesz. 5) (Determination of lead by means of impregnated filter paper. A. Lewandowski and others: Quantitative determination by the method of filter paper chromatography. English and Russian summaries. bibl., diags., tables) Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

L. E. Wandowski, A.

cross

✓ 638. Direct quantitative determinations by paper chromatography. A. Lewandowski. *Rocz. Chem.*, 1955, 29, 871-876.—The technique of measuring spot areas in quant. paper-chromatographic analyses is discussed. The method is demonstrated with several cations and gives results with an error of 5 per cent. Spots of Ni²⁺, Co²⁺ and Cu²⁺ (from a mixture) were collected on the same paper (Whatman No. 1) by using butanol-acetone-conc. HCl (20:60:20) as eluent and rubeanic acid as spot indicator. A mixture of butanol, acetone, conc. HNO₃ and H₂O (20:60:10:10) was used to elute Al³⁺ in the presence of Fe³⁺ (on Whatman paper No. 3) and, after determining Al with the aid of the fluorine reaction (against phenolphthalein), spots of Fe were developed with K₄Fe(CN)₆. Bivalent lead was determined singly (on Munktell paper No. 0), from a solution of PbSO₄ in ammonium acetate, by using a solvent mixture of butanol, ethanol and H₂O (70:20:10) with addition of ammonium acetate and H₂S as indicator.

Chrom

S.C.I. ABSTR.

PM

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CIA-RDP86-00513R000929710C

AC WJH/...

POLAND/Inorganic Chemistry - Complex Compounds.

C.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 30321

Author : Krause Alfons, Lewandowski Anzelm

Inst :

Title : Spontaneous Crystallization of Goethite and Its Preparation from X-Ray Amorphous Hydroxide of Trivalent Iron.

Orig Pub : Bull. Soc. amis sci. e lettres Poznan, 1954-1955 (1956), B13, 125-130.

Abst : Goethite ($\alpha\text{-Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$) was obtained by an accelerated method from x-ray amorphous $\text{Fe}(\text{OH})_3$ at moderate temperature, on regulation of nuclei formation and crystallization at a corresponding concentration of OH^- ions.

Card 1/1

LEWANDOWSKI, A.

POLAND/Kinetics. Combustion. Explosions. Topochemistry. Catalysis. B-9

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26231

Author : Alfons Krause, Anzelm Lewandowski, Henryka Rorecka

Title : Preparation of Goethite ($\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$) on X-ray-Amorphous Iron Orthohydroxide with Application of Seeding

Orig Pub : Roczn. chem., 1956, 30, No 1, 51-58

Abstract : The formation of yellow crystalline goethite (I) in the result of aging of X-ray-amorphous gel of iron orthohydroxide (II) in an alkaline medium is accelerated by the presence of seeds of the goethite phase, especially at a raised temperature. The percentual content of I is determined by dissolving the dried precipitate I + II in 32.5% HNO_3 , in which I is insoluble. A higher alkali concentration and a longer heating increase the I content in precipitate. In the authors' opinion, II accelerates the formation of I catalytically. Frest (2 to 3 days old) seeds of II produce the strongest action.

Card : 1/1

LEWANDOWSKI, ANZELM

Alfons Krause, Anzelm Lewandowski and Henryka Forecka: "Otrzymywanie Getytu (α -Fe₂O₃·H₂O)_n z Rentgenobezpostaciowego Ortowodorotlenku Żelazowego z Zastosowaniem Szczepionki, "Roczniki Chemii, Vol 30, No 1, Warsaw, 1956. Published from the Research Laboratory of Inorganic Chemistry and the Research Laboratory of General Chemistry, Poznan University, 30 May 55.

LEWANDOWSKI, A.

Poland/Analytical Chemistry - Analysis of inorganic substances G-2

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 8430

Author : Lewandowski, A. and Kielczewski, W.

Inst : Not given

Title : Microchromatographic Quantitative Estimation of Copper and Lead by the Impregnation Method

Orig Pub : Roczn. chem., 1956, Vol 30, No 1, 275-280 (in Polish with summaries in English and Russian)

Abstract : Microgram quantities of copper (I), I and zinc (II), lead (III), and III in the presence of II have been determined by paper chromatography. Whatman No 1 paper was used, impregnated with uranyl ferrocyanide or barium iodate (IV). A technique is described for the washing and development of the spots formed by the reaction of the cation under investigation with the impregnating reagent; a method based on the impregnation of the paper with IV is also discussed. It has been established that the amount of the unknown substance is directly proportional to the area of the spot which is produced. The amount of substance in an unknown

Card 1/2

-14-

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APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929710C

LEWANDOWSKI 4.

Lewandowski, Andrzej. An investigation of the alternating character of free non-linear vibrations by means of comparison. Arch. Mech. Stos. 10 (1958), 81-97. (Polish and Russian summaries)

A geometric method is described for determining qualitatively the alternating character of the solutions of a differential equation of the form $x'' + \varphi(x, x') = 0$. The method involves a comparison of the direction of the phase velocity vector in the phase plane of the system being studied with the direction of the phase velocity vector of the linear approximation of the system. Thus in a special case, by comparing the two systems, the author is able to determine a region of initial conditions starting from which the motion is non-alternating (x' vanishes at most once as the system approaches equilibrium).

J. P. LaSalle (Baltimore, Md.)

2

Alp

LEWANDOWSKI, A.; WITKOWSKI, H.

Cationite paper. III. Quantitative determination of alkaloids in yellow lupine.
p. 321

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna
Organizacja Techniczna) Warszawa. Poland. Vol. 4, No. 1, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959
Uncla.

LEWANDOWSKI, Anzelm; WITKOWSKI, Henryk

Use of cationite paper for estimations of atropin in plant material.
Mat chemia 4:3-10 '61.

1. Uniwersytet im. Adama Mickiewicza w Poznaniu, Katedra Chemii
Ogólnej.

S/081/63/000/003/007/036
B144/B186

AUTHORS: Lewandowski, Anzelm, Szczepaniak, Walenty
TITLE: Selective ion exchangers. II. Ion-exchange resin specific for bismuth

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1963, 132, abstract 3G104 (Chem analit. (Polska), v. 7, no. 3, 1962, 593-597) [Pol.; summary in Eng.]

TEXT: From m- and p-cresol, CH_2O and nicotine an ion-exchange resin was synthesized which was called GcL K-4. The inorganic cations absorbed by GcL-K-4 from acid solutions are washed out easily by 1 N solution of HNO_3 or HCl by 2 N H_2SO_4 . In the presence of KI, Bi occurs in the form of BiI_4^- and can be washed out neither by 2 N HNO_3 solution nor by 4 N HCl solution. This peculiarity of Bi is used for separating it from mixtures with other cations. A mixture is passed through the column with GcL-K-4 (height of layer 30 cm, particle size 0.1-0.5 mm) at a rate of 1 ml/min. This mixture contains 2 ml of the test solution with 1 ml 2 N KI and

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Card 1/2

Selective ion exchangers. II. Ion-...

S/081/63/000/003/007/036
B144/B186

7 ml 1 N HNO_3 (in the presence of Pb^{2+} the volume of the 2 N KI solution added is increased to 8 ml). To remove the other ions, the column is washed with 200 ml 1 N HNO_3 or HCl , then 25 ml 2 N NH_4OH (to decompose Bi_4^-) and 75 ml water are passed through it, and Bi is washed out with 1 M H_2SO_4 solution. This method is used to separate Bi from Pb, Sn, Zn, Mg, and Fe. The experimental error is ~2.5%. For the previous communication, see RZhKhim, 1960, no. 12, 47112. [Abstracter's note: Complete translation.]

Card 2/2

LEWANDOWSKI, Anzelm; SZCZEPANIAK, Walenty

Ion exchanger specific for titanic ions. *Chemia stosow* 7
no.4:603-608 '63.

1. Katedra Chemii Ogolnej, Uniwersytet im. A. Mickiewicza, Poznan.

LEWANLOWSKI, A. (Torun)

A certain modification of Hilbert's axioms of order.
Rocz prace matem 8 no.1:93-97 '63.

LEWANDOWSKI, Anzelm

Alfons Krause. Nauka polska 11 no.1:41-43 Ja-F '63.

1. Uniwersytet im. Adama Mickiewicza, Poznan.

LEWANDOWSKI, A.; MADRUWA, M.

Experiments in chemical control of iron bacteria in drains. Rocznik nauk roln rosl 88 no.2:223-234 '64.

①
POLAND

LEWANDOWSKI, Anselm, prof. dr; IDEIKOWSKI, Sylwester, dr

Dept. of General Chemistry, University of Poznan (Katedra Chemii
Ogólnej Uniwersytetu im. A. Mickiewicza, Poznan) (for both)

Warsaw, Chemia analityczna, No 3, Maj-June 1966, pp 611-616

"Ferric oxides and hydroxides as chromatographic sorbents. Part 3:
modifying of sorption properties of ferric oxide."

POLAND

LEWANDOWSKI, Anzelm, prof. dr; DOROZALSKA, Aleksandra, dr.

Department of General Chemistry, University (Katedra Chemii Ogolnej
Uniwersytetu im. A. Mickiewicza), Poznan - (for both).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1261-
1266.

"Determination of copper by the impregnation method."

LEWANDOWSKI, R.; DEPLICKI, A.

An attempt at economic evaluation of the state farms in Poznan Voivodeship. p. 1161

NOWE ROLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Poland.
Vol. 8, no. 13, July 1959

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

LEWANDOWSKI, B., mgr inż.

Current ~~stage~~ and development trends in the production of
capacity welders. Przegl elektrotech 38 no.10:449-452
0 '62.

1. Politechnika, Warszawa.

LEWANDOWSKI, Bogumil, mgr. inz.

"Principles of designing hydroelectric plants" edited by
the Polytechnic College in Danzig. Reviewed by Bogumil
Lewandowski. Gosp wodna 22 no.4:157 Ap '62.

LEWANDOWSKI, Bogumil; RYBINSKI, Jerzy

Retention period of air bubbles in aeration reservoirs.
Gaz woda techn sanit 37 no.8:257-260 Ag '63.

1. Department of Hydraulic Construction, Technical University,
Gdansk (for Lewandowski). 2. Institute of Hydraulic Engineering,
Polish Academy of Sciences, Gdansk (for Rybinski).

LEWANDOWSKI, Boguslaw, mgr. inż.

Load computing of the Valve generator of an induction heater.
Przeegl elektrotech. 41 no.2:57-61. F '65.

LEWANDOWSKI, Edmund, mgr inż.

Welcome address. Przegl elektroniki 4 no. 10/11:551-552
O-N '63.

1. Dyrektor Generalny, Zjednoczenie Przemysłu Elektronicznego
i Teletechnicznego, Warszawa.

LEWANDOWSKI, Henryk

Conservative therapy of complicated inflammations of the mastoid process. Otolar. polska 8 no.2:123-132 1954.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Lublinie.

Kierownik: prof. dr med. B.Dylewski.

(MASTOIDITIS, complications,

otitis media, ther.)

(OTITIS MEDIA, complications,

mastoiditis, ther.)

LEWANDOWSKI, H. [deceased]

Further studies on conservative therapy in inflammation of the mastoid process in children. Otolaryngologia 15 no.2:179-184 '61.

1. Z Kliniki Otolaryngologicznej AM w Lublinie Kierownik: prof. dr med.
B. Dylewski
(MASTOIDITIS in inf & child)

BATURO, Piotr, mgr inż.; BUTOWSKI, Jerzy, inż.; LEWANDOWSKI, Hubert, inż.

New designs in the Wood Machine Tool Factory. Przegl mech 23
no.15:441-444 10 Ag '64

1. Wood Machine Tool Factory, Bydgoszcz.

LEWANDOWSKI, J.: PIWECKI, T.

A few data concerning the dike of Brzeg Dolny. p. 87. (Gospodarka Wodna, Vol. 17, No. 2, Feb 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EBAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

LEWANDOWSKI, J

"Masuria as a region suitable for raising cattle." (p.92) NOWE ROLNICTWO
(Panstwowe Wydawnictwo Rolnicze in Lesne) Warszawa, Vol. 3, no. 4, Apr. 1954

SO: EAST European Accessions List, Vol 3, no. 8, August 1954

LEWANDOWSKI, J.

The basic principles of building in the field of cattle breeding.

p. 12 (Budownictwo Wiejskie) Vol. 7, no. 2, Mar./Apr. 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

LEWANDOWSKI, J.

Improving the transportation of rolls of paper, p. 84. (PRZEGLAD PAPIERNICZY, Lodz, Vol. 11, no. 3, Mar. 1955.)

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

LEWANDOWSKI, J.

For proper organization of work in setting traps. p.28

IAS POLSKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-
Techniczne Inżynierów i Techników Lesnictwa i Drzewnictwa) Warszawa, Poland
Vol.29, no.3, Mar.1955

Monthly list of East European Accessions (BEAI) LC, Vol.9, no.2, Feb. 1960

Uncl.

LEWANDOWSKI, J.

Energy losses in electric cables. p. 199.
(ENERGTYKA. Vol. 11, no. 4, July/Aug. 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

LEWANDOWSKI, J.

TECHNOLOGY

Periodicals: PRZEGLAD TECHNICZNY. Vol. 79, no. 19, Oct. 1958

LEWANDOWSKI, J. Causes of 40 per cent of the fire accidents in industrial establishments. p. 898.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

LEWANDOWSKI, JERZY

POLAND/Chemical Technology. Chemical Products and Their Application. Dyeing and Chemical Treatment of Textile Materials.

E34

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38418.

Author : Lewandowski Jerzy

Inst : Not given.

Title : The Uselessness of Artificial Sources of Radiation for Determining the Light Fastness of Dyeing.

Orig Pub: Przem wlokienniczy, 1956, 10, No 3, Biul Labor Koloryst, 5-6.

Abstract: The determination of the light fastness of dyeing by means of artificial sources of radiation does not give hopeful results, in view of the essential difference between natural sunlight and artificial sources of radiation.

Card : 1/1

S/263/62/000/003/002/015
1004/1204

AUTHOR: Lewandowski, Janusz

TITLE: A sensitive pressure measurement system

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. Izmeritel'naya tekhnika, no. 3, 1962, 29, abstract 32.3.182 P. Polish patent, class 42 k, 9/01, no. 42338, October 20, 1959 (Uklad do pomiaru cisnien)

TEXT: A sensitive element for measurement of low pressures (up to 2 kg/cm²) and rarefactions is patented. It consists of a pressure pick-up in the form of a cavity bounded by two circular plates (one stationary and the other movable), and a flat spring which takes up the displacement of the moving plate. These variants of elastic plate joints and different methods of fixing the spring are given. The effective area of the pick-up is 3 times greater than that of a membrane of the same diameter. The plates of the pickup may be made of plastic and they may be used therefore in an aggressive medium. There are 3 figures.

[Abstracter's note: Complete translation.]

Card 1/1

P/034/62/000/002/004/004
D265/D302

AUTHOR: Lewandowski, Janusz, Master of Engineering

TITLE: Blockdiagrams of pneumatic controllers

PERIODICAL: Pomiary, automatyka, kontrola, no. 2, 1962, 73-76

TEXT: The author presents a method of analyzing the pneumatic control circuits by separating its elements which are classified into two main groups: The membrane- or lever-type amplifiers and the dynamic type R-C elements (Resistance-capacity). By representing a pneumatic system in the form of a blockdiagram these elements can be coupled together giving all possible combinations of differentiating, integrating and proportional circuits. The electrical analogs of elementary pneumatic devices are analyzed and a detailed analytical treatment presented for the case of an integrating regulator for an analog computer. A Sunvic type PI regulator is also studied in detail on schematic and block diagrams. There are 15 figures and 5 references: 3 Soviet-bloc and 2 non-Soviet-bloc. The

Card 1/2

P/034/62/000/002/004/004
D265/D302

Blockdiagrams of ...

references to the English-language publications read as follows: J.G. Truxal, Control engineer's handbook, McGraw-Hill Book Company, Inc. New York, 1958; W.T. Thomson, Laplace transformation. Longmans, Green and Co., London, 1957. ✓

Card 2/2

P/034/63/000/002/004/004
D201/D308

AUTHOR: Lewandowski, Janusz, Master of Engineering

TITLE: Construction of structural diagrams of hydraulic drives

PERIODICAL: Pomiary. Automatyka. Kontrola, no. 2, 1963, 71-73

TEXT: By considering common features of various types of hydraulic drives, the author shows that they all can be reduced to a typical bloc diagram of a control system with a transfer function represented by the characteristic equation of the 4th order, the constants of which may be readily modified according to the type of the actual drive system or easily determined experimentally. Difficulties which might be encountered in the evaluation of the area of the distribution piston or of its effective mass are said to be beyond the scope of the article. There are 4 figures.

Card 1/1

13013 R
P/034/60/000/001/002/003
D235/D306

9,7000 (1121,1159)

AUTHOR: Lewandowski, Janusz, Master of Engineering

TITLE: A pneumatic simulator for analyzing automatic control systems - Part I

PERIODICAL: Pomiary, Kontrola, Automatyka, no. 1, 1960, 24-26

TEXT: A short description of a pneumatic analogue simulator is given followed by an example explaining the application of the simulator for solving control problems. The simulator was produced recently by VEB Geräte und Regler Werke (VEB Instrument and Control Manufacturing Plant) at Teltow. One of these instruments is at the Laboratorium urządzeń automatyki, katedry przyrządów precyzyjnych (Laboratory for Automatic Control Equipment at the Department of Precision Instruments) Warsaw Polytechnic. The simulator is capable of solving differential equations of the sixth order including those of the partial derivative type. It is possible to obtain frequency response and stability criteria of a given system. The simulator is supplied with air at 120 mm H₂O. The schematic diagram of the simulator is shown in Fig. 1. It consists of the following
Card 1/6

programmable simulator...

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D235/D306

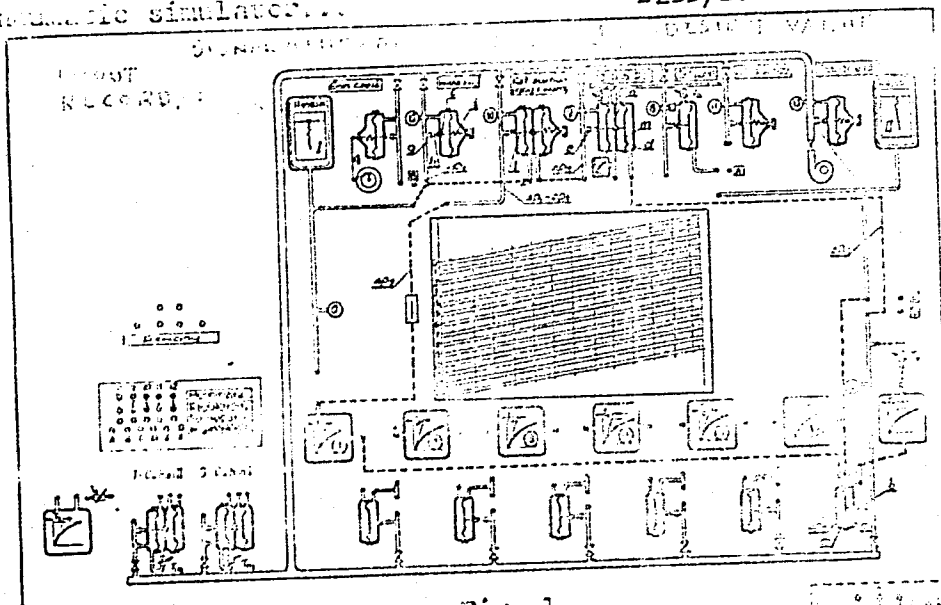


Fig. 1

Card 2/

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 D235/D306

pneumatic simulator...

Main elements: frequency generator, amplifiers, summing element, integrating element, proportional, reset and derivative elements and an element for setting the desired value. There are also 2 recorders to record input signals and the response of the system. Blocks 1 - 6, at the bottom of the diagram, represent elements of the controlled system. Their time constant can be continuously adjusted. Below these elements are amplifiers. To simulate a system, elements representing the system are connected by rubber tubing. The response of any part of the system can be checked by connecting it to one of the 13 liquid manometers shown in the center of the diagram. To illustrate the application an example is solved as shown by the block diagram in Fig. 4. Mathematical solution is given by

$$K(s) = \frac{1}{1 + T_s} \cdot \frac{1}{1 + \frac{1}{1 + T_s} \left(k + \frac{1}{T_n s} \right) \frac{k_s T_p s + 1}{1 + T_s s}} \quad (1)$$

To solve the problem on the simulator, connections were made as shown Card 3/6

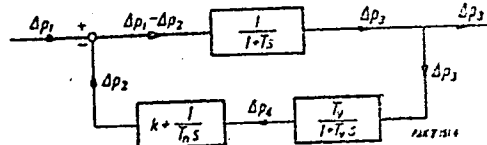


Fig. 4

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D235/D306

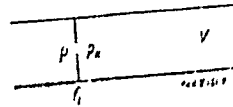
A pneumatic simulator...

by the dotted lines in Fig. 1. For step input Δp_1 the output Δp_3 is given by

$$\Delta p_3(s) = \frac{(As + B)\Delta p_1 s}{Cs^3Ds^2 + Et + 1} \quad (4)$$

where the capital letters denote the constants depending on time constants of the particular elements, and are defined by $A = T_1V_1^n$; $B = T_2$; $C = T_1T_2V_1^n$; $D = T_1T_2 + T_2V_1^n + k_2k_1T_1V_1^n$; $E = T_1 + k_2T_2 + k_1T_1$.

Although the solution of this problem is not difficult, nevertheless the analysis of the problem is very laborious and it is best accomplished on the simulator. The author continues with the description of particular elements of the simulator. The first element is described as a single capacity element (integrating element) as shown in Fig. 7. The equation for the element is given as cited by Docent H. Leskiewicz in his work "Człony schematów blokowych pneumatycznych urządzeń automatyki"



p_1 - inflow pressure; p_k - pressure on the other side of constriction; f_1 - area of constriction; V - volume

Card 4/5

33043 R
P/034/60/000/001/002/003
D235/D306

A pneumatic simulator...

(Elements of Pneumatic Bloc-Diagrams in Automatic Control) []
Abstracter's note: No further data given in

$$f_1 m_1 ((p - (p)_0) - (p_k - (p_k)_0)) = \frac{V_0 dp_k}{\kappa RT_0 dt}$$

where κ - adiabatic index; $p_0, (p_k)_0$ - pressures in steady states;
 R - gas content; T_0 - absolute temperature; t - time; m_1 - as given
by g - acceleration due to gravity;

$$m_1 = \frac{\alpha_1 2 \sigma \gamma_k}{2 \sqrt{(p - p_k) \rho}}$$

ρ_k - specific density of air in space v ; α_1 - coefficient of flow
for f_1 . The time constant T for the element is given by

$$T = \frac{V_0}{\kappa RT_0 f_1 m_1}$$

The values of symbols used in equations in this article are:
 $K(s)$ - transfer function; T - time constant; K - gain coefficient;
 s - Laplace's transform operator; t - time. [] Abstracter's note:
Fig. 7 represents the construction of element 1 in Fig. 1]. The

Card 5/6

Caro c/

ASSOCIATION: Katedra przyrządów precyzyjnych politechniki warszawskiej (Department of Precision Instruments, Warsaw Polytechnic)

remaining elements will be described in Part II. There are 9 figures.

A pneumatic simulator...

33043 R
P/034/60/000/001/002/003
D255/D506

MARCZYNSKA, Antonina; IEWANDOWSKI, Jerzy; GORNIAK, Antoni

Determinations of the half-life of bromosulphophthalein (T 1/2 BSP) in the serum of patients with cholecystolithiasis. Pol. tyg. lek. 20 no.21:753-755 24 My '65.

1. Z Instytutu Onkologii, Oddział w Krakowie (Kierownik: prof. dr. med. Hanna Kolodziejaska) i z II Kliniki Chirurgicznej AM w Krakowie (Kierownik: prof. dr. med. Jan Oszacki).

LEWANDOWSKI, Jerzy (Krakow, Kopernika 21.)

~~the influence of potassium on the healing of wounds.~~ Polski przegl. chir.
30 no.4:319-323 Apr 58.

1. Z II Kliniki Chirurgicznej A. M. w Krakowie Kierownik: prof. dr K.
Michejda.

(WOUNDS AND INJURIES, experimental

eff. of dietary potassium on healing of wds. in rats (Pol))

(POTASSIUM, effects

on healing of exper. wds. in rats (Pol))

JEDLINSKI, Jerzy; MRUK, Jozef; LEWANDOWSKI, Jerzy

Insulema of the pancreas simulating epilepsy cured surgically.
Polski tygod.lek. 15 no.19:721-723 9 My '60.

1. Z Kliniki Chorob Nerwowych; kierownik: prof. dr. Wl.
Jakimowicz; Kliniki Chorob Wewnętrznych; kierownik: prof.
dr. T. Tempka i II Kliniki Chirurgicznej A.M. w Krakowie;
p.o. kierownik: doc. dr. J. Oszacki.
(EPILEPSY diag.)
(ISLET CELL TUMOR diag.)

LEWANDOWSKI, Jerzy

Fastness of color and the requirements in the field of coloration.
Przeegl wlokien 16 no.4:199-201 Ap '62.

1. Centrala Importowo-Eksportowa Chemikaliow i Aparatury Chemicznej,
Warszawa.