

KWAPINSKI, Jerzy (Warszawa, ul. Skaryszewska 10, m 9)

Considerations on chemical structure and multiplication of viruses.
Polski tygod. lek. 9 no.13:404-407 29 Mar 54.

(VIRUSES,
chem. & multiplication)

KNAPIŃSKI, Jerzy (Warszawa, ul. Chalubinskiego 5, zaklad Mikrobiologii
Lek. A.M.)

Bacterial resistance to drugs according to the phenomenon of
bacterial variability. Polski tygod. lek. 9 no.28:888-891; contd.
12 July 54.

(BACTERIA, resistance and sensitivity,
variability in)

KWAPINSKI, Jerzy (Warszawa)

Bacterial resistance to drugs according to the phenomenon of variability. Polski tygod. lek. 9 no.29:919-923; concl. 19 July 54.

1. Zakład Mikrobiologii Lekarskiej Ak. Med. ul. Chałubińskiego 5.
(BACTERIA, resistance and sensitivity, variability in)

KWAPINSKI, Jerzy

KWAPINSKI, Jerzy (Warszawa)

Review of serological problems in tuberculosis. Przegł. lek. 10
no.4:121-131 Ap '54.

(TUBERCULOSIS, immunology.
*serol. aspects)

MIKULASZEK, Edmund; KWAPINSKI, Jerzy

Studies on structure of Mycobacterium tuberculosis. 2. Complement fixation reaction with rabbit immune sera with fractions of Mycobacterium tuberculosis. Gruzlica 22 no.4:245-254 Mr '54.

1. Z Zakładu Mikrobiologii Lekarskiej Akademii Medycznej w Warszawie.
Kierownik: prof. dr E. Mikulaszek.

(TUBERCULOSIS, immunology,

*complement fixation reaction with rabbit immune sera
with M. tuberc. fractions)

(COMPLEMENT,

*fixation with rabbit immune sera with M. tuberc. fractions)

KORBECKI, Michal; KWAPINSKI, Jerzy

Effect of phenanthrene alkaloids on respiration of *Serratia marcescens*. *Med. dosw. mikrob.* 7 no.1:21-25 1955.

1. Z Zakladu Mikrobiologii kelarskiej A.M. w Warszawie. Kierownik:
prof.dr. E.Mikulasek

(PHENANTHRENE, effects,
on *Serratia marcescens* resp.)

(*SERRATIA*,
marcescens, eff. of phenanthrene on resp.)

KWAPINSKI, Jerzy

~~_____~~
Bacterial catalase. Polski tygod.lek. 10 no.34:1125-1131
22 Aug '55.

1. Z Zakladu Mikrobiologii Lekarskiej A.M. w Warszawie. Warszawa,
ul. Chalubinskiego 5, Zaklad Mikrobiologii Lekarskiej A.M.
(CATALASE, metabolism,
bact.)
(BACTERIA, metabolism,
catalase)

KWAPINSKI, Jerzy (Warszawa)

Etiopathogenesis and epidemiology of virus hepatitis. Przegł. lek.,
Krakow 11 no.3:85-87 Mar 55.

(HEPATITIS, INFECTIOUS
etiol., pathogen. & epidemiol.)

KWAPIŃSKI, J.

"Grype" (Flu), by J. Kwapinski. Reported in New Books (Nowe Ksiazki),
No. 13, July 1, 1955

KWAPINSKI, Jerzy

L forms of microorganisms and their role in the etiology of
rheumatism. Postepy reumat. no.2:35-44 1956.

1. Z Instytutu Reumatologicznego w Warszawie Dyrektor: prof.
dr. E. Reicher.

(BACTERIA

L forms, etiol. role in rheum. (Pol))

(RHEUMATISM, etiol. & pathogen.

role of bact. L forms (Pol))

KWAPINSKI, Jerzy; BACZYNSKA, Krystyna; GALL, Wieslaw; KWAPINSKA, Barbara

Waler-Rose reaction. Postepy reumat. no.2:45-58 1956.

1. Z Instytutu Reumatologicznego w Warszawie Dyrektor:
prof. dr. E. Reicher.

(ARTHRITIS, RHEUMATOID, diag.
serodiag., Waler-Rose reaction (Pol))
(RHEUMATIC FEVER, diag.
same)

KWAPINSKI, Jerzy; MADALINSKI, Wlodzimierz

Investigations on the immunochemical character of the Waaler-Rose reaction. Postepy reumat. no.2:59-65 1956.

1. Z Panstwowego Instytutu Reumatologicznego w Warszawie
Dyrektor: prof. dr. E. Reicher.

(ARTHRITIS, RHEUMATOID, diag.
serodiag., Waaler-Rose reaction, technic (Pol))

R. W. H. P. N. S. K. I. J.

1953. Antigenic structure of the actinomycetales. Antigenic relationship between strains of the genera *Mycobacterium* and *Corynebacterium*. J. Kwapinski Bull. Acad. Polon. Sci., 1953, 4: 379-381. (Dept. of Microbiology, Sch. of Med., Warsaw, Poland).
— The complement fixation test reveals close antigenic affinity between fractions from *M. tuberculosis* H₃R₆ and *M. phlei*. equal to that between *C. diptheriae* PW, and *C. hofmanni*. The serological affinity between *M. tuberculosis* H₃R₆ and *C. hofmanni*, as well as that between *M. phlei* and *C. diptheriae* resides in the protein and lipid fractions.
E. M. RATTENBURY

KWAPINSKI # J.H.

USSR/ Microbiology, General Microbiology

F-1

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24046

Author : Kvapinskiy, Yu.

Inst : Not given

Title : Investigation of Antigenic Structure in the Genus Actinomycetales. Antigenic Relationship of Strains of Species Mycobacterium and Corynebacterium.

Orig Pub: Byul. Polskoy AN, 1956, Otd. 2, 4, No 11, 401-404

Abstract: From cultures of tubercle bacillus (H37Rv) M. phlei, diphtheria bacillus (PW8) and Hofmann's bacillus, lipoidal, carbohydrate and nucleoprotein fractions were obtained. The chemical composition of these fractions, isolated from all four microorganisms, was to a large degree similar. At the same time a qualitative difference was found in the content of separate components of carbohydrate and protein fractions as well as the

Card 1/2

USSR/ Microbiology, General Microbiology

F-1

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24046

Abstract: presence in corynebacteria of qualitatively specific fatty acids. The serological study of fractions obtained in recrossing experiments of binding the complement with the corresponding immunosera showed the antigenic relationship of investigated strains within the limits of each species, as well as the similarity of antigens in tubercle and diphtheria bacilli. The serological relationship of *M. phlei* and *C. pseudodiphtheriae* is doubtful.

Card 2/2

KWAPINSKI, J.

Research on the antigenic constituents of *Corynebacterium diphtheriae*. *Acta microbiol. polon.* 5 no.3-4:321-351 1956.

1. Z Zakładu Mikrobiologii Lekarskiej Akademii Medycznej w Warszawie.

(*CORYNEBACTERIUM DIPHThERIAE*)

antigenic properties of various fractions, determ.
by complement fixation test (Pol))

KWAPINSKI, Jerzy; BACZYNSKA, Krystyna; RAU, Barbara

Serology of rheumatic diseases. I. Reaction of streptococcal reaction in rheumatic diseases. Postepy hig. med. dosw. 10 no.3:257-269 1956.

1. Zaklad Mikrobiologii Instytutu Reumatologii Warszawa, ul. Nowogrodzka 59.

(RHEUMATISM, immunology,
hemagglut. reaction, review (Pol))
(HEMAGGLUTINATION, in various diseases,
rheum., review (Pol))

KWAPINSKI, J.; BERMANOWA, G.; GALL, W.

Research on the action of salicylate on streptococci. Postepy reumat.
no.3:37-43 1957.

1. Z Instytutu Reumatologicznego w Warszawie. Dyrektor: prof. dr. El.
Reicher.

(STREPTOCOCCUS, eff. of drugs on
sodium salicylate, in vitro action on hemolytic streptoc.
(Pol))

(SODIUM SALICYLATE, eff.
on streptoc., hemolytic, in vitro action (Pol))

atration

EXCERPTA MEDICA Sec 5 Vol 12/7 General Path. July 59

1699. IMMUNOCHEMICAL PROPERTIES OF PUS - Kwapiński J. and Miku-
laszek E. Dept. of Microbiol., Sch. of Med., Warsaw - BULL. ACAD.
POLON. SCI. 1957, 5/2 (47-52) Tables 4

The samples of pus derived from humans, horses, sheep, cats, dogs and rabbits were chemically fractionated by the authors' own method. In the lipid fractions 3-5 diverse kinds of higher fatty acid were revealed by using the paper chromatographic analysis. The mucoid fractions contained 2-3 kinds of successive monosaccharides; glucosamine, glucose, mannose, fucose and/or uronic acid. Two types of proteins A and B were distinguished after chromatographic analysis of protein fractions. Type A, containing cystine, lysine, histidine, serine, glycine, threonine, cystin, valine, phenylalanine and leucine, was found in the pus derived from humans, cows and rabbits. Type B, containing tyrosine instead of histidine and lysine, was found in the pus of horses and dogs. Both protein types were revealed in the pus of cats and sheep. The serologic activity of particular fractions

1699

in homologous serum corresponded to titres between 1:8,000-1:1,000,000, as investigated in a CFT. The investigations of serological activity of nucleoprotein and mucoid fractions in cross tests showed the immunological distinctness of pus antigens of man and horse, man and rabbit, horse and cow and, to a lesser degree, of sheep and cow, sheep and dog, cow and rabbit. Human pus antigens showed a considerable degree of relationship to dog, cow and sheep pus.

Kwapitaki - Copenhagen (IV, 5)

KWAPINSKI, JERZY

KWAPINSKI, Jerzy; BACZYNSKA, Krystyna; RAU, Barbara

Streptokinase & antistreptokinase. VII. Serology of rheumatic disease.
Arch. immun. ter. dosw. 5:315-328 1957.

(RHEUMATISM, blood in

streptokinase-antistreptokinase determ. (Pol))

(STREPTODORNASE AND STREPTOKINASE, determ.
in rheum. dis. (Pol))

POLAND / Microbiology. General Microbiology. Physiol- F
ogy and Biochemistry.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5490.

Author : Kwapinski, J., Merkel, M.
Inst : Polish Academy of Sciences.
Title : Investigations into the Chemical and Antigenic
Structure of the Genus Streptomyces. I. The
Chemical Structure of Streptomyces griseus.

Orig Pub: Bull. Acad. polon. sci., 1957, Cl. 2, 5, No 10,
335-340, XLIII.

Abstract: Using different methods of extraction, the cells
of four strains of S. griseus were divided into
41 fractions (9 lipoid, 21 polysaccharide and 11
nucleoprotein). Lipoid fractions contained 0.1-
0.5% of phosphorus and from 1 to 4 higher fatty
acids, viz., palmitic, stearic, oleic and an acid
with Rf 0.17. In polysaccharide fractions, 0.35-

Card 1/2

POLAND / Microbiology. General Microbiology. Physiol- F
ogy and Biochemistry.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5490.

Abstract: 4.73% of nitrogen and 23-97% of sugars were
found, including glucose, mannose, arabinose,
xylose and rhamnose in various combinations.
Nucleoprotein fractions contained 2.59-12.62%
of nitrogen and 25-78% of protein. From the cells
of Actinomyces, 16 different acids were extrac-
ted, one of which, with Rf 0.93, was characteris-
tic of strains of S. griseus.

Card 2/2

KWAPINSKI, J.

Chemical & antigenic structure of Corynebacteria. Acta microb. polon.
6 no.2: 133-169 1957.

1. Z Zakładu Mikrobiologii lekarskiej Akademii Medycznej w Warszawie
Wpłynęło dnia 30 października 1956 r.

(CORYNEBACTERIUM

chem. & antigenic structure of various species (Pol))

KWAPINSKI, Jerzy; MIKULASZEK, Edmund

Immunology of pus (leukocytes). I. Recent studies; problem of serological relationship of antigens from pus and leukocytes. Postepy hig. med. dosw. 11 no.2:109-148 1957.

1. Zagadnienie serologicznego pokrewienstwa antygenow ropy i leukocytow. Zaklad Mikrobiologii Lekarskiej AM Warszawa, ul Chalubinskiego 5.

(ANTIGENS,

serol. relationship between antigens of pus & leukocytes,
review (Pol))

POLAND/General Problems of Pathology - Pathophysiology of
Infectious Process.

U.

Abs Jour : Ref Zhur - Biol., No 19, 1958, 89512

Author : Kwapinski, L., Lichtenstein, A., Rau, D.

Inst : -

Title : Serology of Rheumatism. Streptolysins and Antistreptolysins.

Orig Pub : Postepy hig. i med. dowiadcz 1957, 11, No 3, 253-281.

Abstract : No abstract.

Card 1/1

- 11 -

Kwapinski, Jerzy

KWAPINSKI, Jerzy; IAZOWSKI, Zygmunt

Investigations on allergy to somatic streptococcal antigens in rheumatic diseases. Polskie arch. med. wewn. 27 no.12:1611-1620 1957.

1. Z Instytutu Reumatologicznego w Warszawie. Dyrektor: prof. E. Reichner.
(RHEUMATISM, immunology,
allergic reactions to streptoc. antigens (Pol))
(STREPTOCOCCUS,
antigens, allergy in rheum. (Pol))

KWAPINSKI, J.

Specific enzymatic inactivation of antibiotics. p.181.

Vol. 7, no. 3, 1958

ACTA MICROBIOLOGICA POLONICA. (polskie Towarzystwo Mikrobiologow. Sekcja Mikrobiologii
Ogolnej, Rolniczej i Przemyslowej)
Warszawa ,,Poland.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

KWAPINSKI, Jerzy

Studies on the immunochemical properties of cellular fractions of hemolytic Streptococci. Med. dosw. mikrob. 10 no.1:81-89 1958.

1. Z Zakladu Mikrobiologii Instytutu Reumatologicznego w Warszawie
Kierownik: doc. dr J. Kwapinski.

(STREPTOCOCCUS

metab. & immunochem. of various strains of hemolytic A
(Pol))

EXCERPTA MEDICA Sec 6/Vol 13/6 Internal Medicine June 59

3217. THE VALUE OF THE STREPTOHYALURONIDASE-ANTIHYALURONIDASE SYSTEM IN RHEUMATISM - Znaczenie układu streptohialuronidaza-antihialuronidaza w Gośćcu - Kwapiński J. Zakł. Mikrobiol. Inst. Reumatol., Warszawa - POSTĘPY HIG. MED. DOSW. 1958, 12/1 (33-47) Graphs 4 Tables 1

A new photolorimetric technique for the estimation of the titre of antistreptohyaluronidase (ASH) is described. By using this method an elevated titre of ASH was found in 85.5% of sera from active rheumatic fever. The correlation between the titres of ASH and antistreptolysine O was found in 81%, and between ASH and ASK (antistreptokinase) in 72% of blood specimens. (VI, 19)

E-ERYTHROCYTES AND THE WARMO-

KWAPINSKI, Jerzy, RAU, Barbara, BACZYNSKA, Krystyna

C-reactive proteins. Postępy hig.med.dosw. 12 no.1:49-61 1958

1. Zakład Mikrobiologii Instytutu Reumatologicznego. Adres: Warszawa,
ul. Nowogrodzka 59.

(BLOOD PROTEINS,

C-reactive (Pol))

LEWENFISZ-WOJNAROWSKA, T., SUFFCZYNSKA, ~~M.~~ KWAPINSKI, J., RAUN B.,
BACZYNSKA, K.

Blood antistreptolysin O level in children with rheumatic fever
Pediat.polska 33 no.1:63-69 Jan 58.

1. Z II Kliniki Pediatricznej A.M. w Warszawie. Kierownik: prof.
dr med. M. Michalowicz i z Zakladu Mikrobiologii Instytutu Reumatologii
Dyrektor Instytutu; prof. dr med. E. Reicher: Warszawa, ul. Litewska 16.

(RHEUMATIC FEVER, blood in
antistreptolysin O (Pol))

(ANTISTREPTOLYSIS, in blood
O, in rheum. fever (Pol))

KWAPINSKI, Jozsy

Immunochemical analysis of microorganisms. Postery hig.med.
dosw. 13 no.4:433-472 J1-Ag '59.

(ANTIGENS chem)

(MICROORGANISMS chem)

EXCERPTA MEDICA Sec 10 Vol.9/10 Obstetrics Oct 56

1811. KWAPIŃSKI Z, and TURCZYŃSKI T. I. Klin. Ginekol. - Położnicza Akad. Med., Wrocław. *Badania nad działaniem środków przeciwalergicznym na mięsień macicy ciężarnej. The action of antiallergic agents on the uterine muscle during pregnancy ARCH. IMMUNOL. TERAP. DOŚW. (Wrocław) 1953, 1/1-2 (101-103) Graphs 1

i. m. or i. v. injection of 0.2 ml. of antistine was followed by cramps of uterine muscle as determined with Lorand's tocograph but oral administration of 0.1 ml. did not provoke cramps. The authors suggest that orally administrated antistine may exert an antiallergic influence.

Kwapinski - Warsaw

HEIMRATH, Tadeusz; ROBACZYNSKI, Jerzy; KWAPINSKI, Zbigniew

Significance of Aschheim-Zondek test in clinical diagnosis.
Polski tygod. lek. 15 no.30:1149-1151 25 J1 '60.

1. Z I Kliniki Położnictwa i Chorob Kobietych A.M. we Wrocławiu;
kierownik: doc. dr Kazimierz Nowosad i z Oddziału Chorob Kobietych
Okręgowego Szpitala Wojskowego we Wrocławiu; ordynator: dr Zbigniew
Kwapinski

(PREGNANCY TESTS)
(GYNECOLOGY diag)

CHMIELOWA, Maria; KRZYWINSKA, Krystyna; KWAPISIEWICZ, Irena

A case of exfoliative dermatitis in a 6-year-old girl. Pediat.
Pol. 40 no.2:193-197 F '65

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

34573
S/044/62/000/00*/019/061
C111/G444

16.3400

AUTHOR: Kwapisz, Marian

TITLE: The solution of ordinary linear differential equations of n-th order by successive approximations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 32, abstract 1B159. ("Zesz. nauk. Politechn. gdafsk.", 1960, no. 20, 13-29)

TEXT: Considered is the variant of the method of successive approximations which had been formulated by S. A. Shelgunov (Quart. Appl. Math., 1946, 3, no. 4, 348) for the solution of the differential equation

$$y^{(n)}(x) + p_{n-1}(x) y^{(n-1)}(x) + \dots + p_1(x)y(x) = f(x) \quad (a)$$

which is brought to the form

$$\sum_{i=0}^n \bar{p}_i(x) y^{(n-i)}(x) = f(x) + \sum_{i=1}^n [\bar{p}_i(x) - p_i(x)] y^{(n-i)}(x)$$

Card 1/5

4

S/044/62/000/001/0:9/061
C111/C444

The solution of ordinary linear ...

where $\bar{p}_0(x) = P_0(x) = 1$ and $\bar{p}_1(x)$ are arbitrary continuous functions which can be constant in a special case. The solution of the equations (a) with the initial conditions $y^{(i)}(a)$, $i = 0, 1, \dots$, and is given by the series

$$\sum_{m=0}^{\infty} y_{m,0}(x) \tag{b}$$

4

where $y_{0,0}(x)$ is the solution of

$$\sum_{i=0}^n \bar{p}_i(x) y^{(i)}(x) = f(x)$$

with the initial conditions

$$y_{0,0}^{(i)}(a) = y^{(i)}(a), \quad i = 0, 1, \dots, \text{ and}$$

and $y_{r,0}(x)$ is the solution of

Card 2/5

S/044/62/000/001/019/061
C111/C444

The solution of ordinary linear . . .

$$\sum_{i=0}^n \bar{p}_i(x) y^{(n-i)}(x) = \sum_{i=1}^n [\bar{p}_i(x) - p_i(x)] y_{m,0}^{(n-i)}(x)$$

with the initial condition

$$y_{m,0}^{(i)}(a) = 0, \quad i = 0, 1, \dots, n-1.$$

In the present article the convergence of the series (b) is proved by reducing (a) by aid of the Cauchy formula to the linear Volterra equation system

$$y_{\psi}(x) = y_{0,0}^{(\psi)}(x) + \int_0^x \bar{K}_x^{(\psi)}(x, \xi) \left\{ \sum_{i=1}^n [\bar{p}_i(\xi) - p_i(\xi)] y_{n-i}(\xi) \right\} d\xi \quad (c)$$

$\psi = 0, 1, \dots, n-1$

where $\bar{K}(x, \xi)$ is the solution, depending on the parameter ξ , of

Card 3/5

S/044/62/000/001/019/061
C111/C444

The solution of ordinary linear . . .

$$\sum_{i=0}^n p_i(x) y^{(n-i)}(x) = 0$$

which satisfies the initial conditions $\bar{K}^{(i)}(\xi, \xi) = \begin{cases} 0 & \text{for } i=0, 1, \dots, n-2 \\ 1 & \text{for } i=n-1 \end{cases}$

The system (2) is solved by successive approximations, where it is put

$$y_v^0(x) = y_{0,0}^{(v)}(x),$$

$$y_v^{m+1}(x) = \int_0^x \bar{K}_x^{(v)}(x, \xi) \left\{ \sum_{i=1}^n [\bar{p}_i(\xi) - p_i(\xi)] y_{n-i}^m(\xi) \right\} d\xi$$

$m = 0, 1, 2, \dots$

and

$$y_v(x) = \sum_{m=0}^{\infty} y_v^m(x), \quad v = 0, 1, \dots, n-1$$

Card 4/5

The solution of ordinary linear . . .

S/044/62/000/001/019/061
C111/C444

The proof of the convergence of these series follows by aid of the estimation

$$|y_v^m(x)| \leq \frac{L[M(x-a)]^m}{m!}$$

where L, M are constants. Further on it is proved that $y_o(x) = \sum_{m=0}^{\infty} y_o^m(x)$ is solution of (a) and that the series mentioned above is identical with the series (b).

[Abstracter's note: Complete translation.]

4

34574
S/044/62/000/001/020/061
C111/C444

16.3400

AUTHOR:
TITLE:

Kwapisz, Marian

PERIODICAL:

On the question of the modified method of successive approximations for the solution of ordinary linear differential equations of n-th order
Referativnyy zhurnal, Matematika, no. 1, 1962, 32-33, abstract 1B160. ("Zesz. nauk. Politechn. gdafsk.", 1960, no. 20, 31-48)

TEXT:

equation of n-th order

In the present article one considers the differential

$$\sum_{i=0}^n P_i(x) y^{(n-i)}(x) = f(x)$$

as well as the following modification of the Piccard successive approximations. Let $P_i(x) = \bar{P}_i(x) - \underline{P}_i(x)$, where $\bar{P}_i(x)$ and $\underline{P}_i(x)$ are arbitrary continuous functions, $\bar{P}_0(x) \neq 0, \underline{P}_0(x) \neq 0, P_0(x) \neq 0$ in the interval $a < x < b, a > 0, y_{0,0}(x)$ denotes the solution of the equation

Card 1/4

X

S/044/62/000/001/020/061
C111/C444

On the question of the modified . . .

$$\sum_{i=0}^n \bar{p}_i(x) y^{(n-i)}(x) = f(x)$$

with the initial conditions

$$y_{0,0}^{(k)}(0) = y^{(k)}(0), k = 0, 1, \dots, n-1.$$

Let $y_{m,0}(x)$ be the solution of

4

$$\sum_{i=0}^n \bar{p}_i(x) y^{(n-i)}(x) = \sum_{i=0}^n \bar{p}_i(x) y_{m-1,0}^{(n-i)}(x)$$

with the initial conditions $y_{m,0}^{(k)}(0) = 0, k = 0, 1, \dots, n-1.$

It is proved:

In order the series

$$\sum_{m=0}^{\infty} y_{m,0}(x) \tag{I}$$

Card 2/4

S/044/62/000/001/020/061
 C111/C444

On the question of the modified . . .

for $0 \leq x \leq a$ to converge uniformly to the solution of (1) with the initial conditions $y^{(k)}(0)$, $k = 0, 1, \dots, n-1$, it is sufficient that either holds

$$\max_{0 \leq x \leq a} \left\{ \sum_{i=0}^n \frac{|\bar{p}_i(x)|}{|\bar{p}_i(x)|} \right\} < 1$$

or (under the supposition that $\bar{p}_1(x) = \text{const.}$ and $p_0(x) \in C^1$)

$$\max_{0 \leq x \leq a} \frac{|\bar{p}_0(x)|}{|\bar{p}_0|} < 1 .$$

These conditions are proved by reducing (1) to the system of integral equations

$$y = A(x) y + \int_0^x B(x, \xi) y d\xi, \quad (2)$$

Card 3/4

On the question of the modified . . . S/044/62/000/001/020/061
 C111/C444
 where $A(x)$ and $B(x, \xi)$ are matrices, and y and f are vectors. The
 solution of (2) follows by successive approximations

$$y_0 = f, \quad y_m = Ay_{m-1} + \int_0^x By_{m-1} d\xi .$$

The series

$$\sum_{m=0}^{\infty} y_m \tag{II}$$

converges uniformly in case $\max_{0 \leq x \leq a} \|A\| < 1$. At the end it is noted
 that the series (I) is the first component of the vector (II).

[Abstracter's note: Complete translation.]

Card 4/4

33876
P/508/61/010/003/003/003
D234/D305

16.3400 (1132, 1253, 1327)

AUTHOR: Kwapisz, M. (Gdańsk)

TITLE: Solving linear systems of differential equations by using the method of successive approximations

SOURCE: Polska Akademia Nauk. Instytut Matematyczny, v. 10, no. 3, 1961, 309 - 322

TEXT: Systems of integro-differential equations occurring in the theory of linear networks are considered. The author states that J. Lenkowski (Ref. 1: Bull. Acad. Polon. Sci., Ser. Sci. techn. 7, 1959, 531-539), adopting the results of the present paper, uses an iterative process for these equations, obtaining the solution in the form

$$i(t) = \sum_{m=0}^{\infty} i_m(t). \tag{6}$$

He also refers to a previous paper by himself where a modified

Card 1/2

KWAPISZ, M.; PALCZEWSKI, B.; PAWELSKI, W. (Gdansk)

On the existence and the unicity of solutions of certain
differential equations of the type $u_{xyz} = f(x, y, z, u, u_x, u_y, u_z, u_{xy},$
 $u_{xz}, u_{yz})$. Annales Pol math 11 no. 1. 75-106 '61.

KWAPISZ, Marian

A comparison of Picard's method of successive approximation with one of its modifications for linear differential equations of the N-th order. *Lacznosc Gdansk* no. 4:51-66 '62.

1. I Katedra Matematyki, Politechnika, Gdansk.

KWAPISZ, M. (Gdansk)

Remark on the boundedness of solutions of a system of Volterra's
integral equations. Roczniki matematyczne no.7:1-6 '62.

KWAPISZ, M. (Gdansk)

Some remarks on a certain method of successive approximations
in differential equations. Col math 10 no.1:151-160 '63.

KWAPISZEWSKI, J.

3495

021844

Kwapiszewski J. Irrigation by Means of Mole Drainage.
"Nawodnienie przy zastosowaniu drenowadze kreckiego". Gospodarka
Wedna. No. 5, 1954, pp. 187-189, 3 figs., 1 tab.

FOL. 3

Water management is an intricate problem during the period of vegetation. Irrigation by inundation calls for large quantities of water, whereas irrigation by open trenches prevents the mechanization of field work by requiring trenches to be closely spaced. Mole drains can largely overcome such difficulties. The water, given immediate access to the root system, supplements the capillary water, leaving in the soil, at a depth of 25-40 centimetres, suspended water not communicating with soil water. Practically all types of meadow soils can be irrigated by mole drains not in any way reinforced. To insure lasting service, mole drains should be correctly cut through the root layer. They are, in practice, being spaced every 1 to 3 metres; diameter - 65-75 mm; depth - 25-35 cm; length - from 100 to 120 metres, at a maximum gradient of 1 to 5 per cent. The inlets in less compact soils should be reinforced by means of ceramic drains, the outlet end being closed. Description of 2 diagrams showing the mole drainage system, with numerous details affecting the system and excavating procedure. Irrigation by this means accelerates the rate of permeation (from 4 to 8 ltrs per second and hectare), and gives substantial savings in water. Maintenance is extremely simple, and the cost of excavating, with a tractor-mounted mole drainer, moderate (estimates quoted). Mole drainage is of particular importance in the case of imperfect soils. Irrigation of grassland by the mole drainage system cuts down the time generally required for this purpose to from 12 to 48 hours, makes it possible to divide the irrigation dose into numerous small portions and is conducive to increased soil aeration.

KWAPISZEWSKI, J.

Land improvement in the watershed area of Lublin Voivodeship, the Wieprz-Przyna Canal. p.368.

GOSPODARKA WODNA (Naczelna Organizacja Techniczna) Warszawa
Vol. 15, no. 9, Sept. 1955

So. East European Accessions List

Vol. 5, No. 9

September 1956

KWAPISZEWSKI, J.

Causes and prevention of the deterioration of injectors.

P. 333. (PRZEGLAD KOLEJOWY MECHANICZNY) (Warszawa, Poland) Vol. 9, no. 11,
Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

KWAPISZEWSKI, Jozef

Softening of water in the Clayton steam generator on combustion cars of the SN 61 series. Przegł kolej mechan 14 no.5:141-144 My '62.

1. Zentralny Zarząd Trakcji, Warszawa.

KRAPISZEWSKI, K.

The Main Directions of Technical Progress in Old Blast
Furnace Departments for the Next 5 Years Plan. E. Kwadrat.
Przemysł Węglowy, 1955, 23, (2), 65-68. (In Polish). The three
main directions in the progress of production of pig iron in the
blast furnace are outlined for the next five years (1955-1960).
They are in preparation of the charge, in improvement of
technical processes, and in modernization of the large blast
furnace. -R. U.

[Handwritten mark]

R. U.
6/8

Country : Poland H-17
Category :
Abs. Jour. : 46837
Author : Rolski, S.; Kwapiszewski, W.
Institut. :
Title : Preparation of Glutamic Acid by Hydrolysis of
Keratin-Containing Animal Raw Materials
Orig Pub. : Farmac. polska, 1957, 13, No 12, 311-314

Abstract : A method has been developed for preparation of glutamic acid (I). 3 kg of clean and dry horns and hoofs are heated 2-3 hours with 1500 ml concentrated HCl (acid) at 40-50°, then for 3 additional hours at 100-110°, and held at this temperature for 18 hours. After 15 hours added 500 ml concentrated HCl (acid), solution filtered and allowed to stand for 5-6 days, to effect crystallization. Hydrochloride of I, that separates, is filtered, washed with concentrated HCl (acid), dissolved in 800 ml water, heated to 80-90°, decolorized with charcoal and filtered. I is precipitated from solution by adjusting pH to 3.2-3.3. Purification is repeated, precipitate washed, dried at a temperature up to

Card: 1/2

KWAPNIEWSKI, Z.

✓ 3173

681.632.723 : 631.811.2 : 631.811.6

Kwapniewski Z. Magnesium Thermophosphate as a Simultaneous Source of Phosphorus and Magnesium for Plants.

„Termofosfat magnezowy jako równoczesne źródło fosforu i magnezu dla roślin”. Przemysł Chemiczny. No. 7, 1955, pp. 366-369, 7 tabs.

The fertilizing effect of magnesium thermophosphate and of Thomas slag was compared in pot experiments with oats. In the given experimental conditions, phosphorus was better assimilated by plants from magnesium thermophosphate than by those from Thomas slag. Magnesium thermophosphate supplies plants with a certain amount of assimilable magnesium in addition to phosphorus. The fertilizing effect of magnesium thermophosphate is the result of the simultaneous action of the phosphorus and magnesium present.

ajp

KWAPNIEWSKI, Z.

COUNTRY : POLAND H
CATEGORY : Chemical Technology. Chemical Products and
Their Applications. Fats and Oils. Waxes.*
ABS. JOUR. : RZKhim., No. 23 1959, No. 83713
AUTHOR : Kwapniewski, Z.; Rutkowski, A.; Kubik, B.
INSTR. :
TITLE : Effect of Paper Wrapping on the Stability Fats

ORIG. PUB. : Przem. spozywczy, 1958, 12, No 10-12, 412-415

ABSTRACT : Conducted were experiments pertaining to the investigation of the effect of wrapper porosity and of the presence of iron and copper in the wrapping material on the degree of self-oxidation of fatty products and of the effect of employing wrapping paper, saturated with anti-oxidant (A) solution. Five types of wrapping paper were investigated: parchment, semi-parchment, acidic parchment, white and brown cardboard. Paper or/and cardboard was finely

*Soaps and Detergents. Flotation Agents.

CARD: 1/4

H

COUNTRY :
CATEGORY :

ABS. JOUR. : RZKhim., No. 23 1959, No. 83713

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT
Con'd

: pulverized into mill, employing emery wheel, followed by mixing with molten fat (F) in the proportion of 5 gr of mill per 95 gr F. The mixture was left standing in a beaker within a thermostatically controlled oven at 60° temperature. Simultaneously, a sample of F containing no paper mill was subjected to the same conditions. Periodically, the peroxide number was determined on both samples. As a measure of stability, a certain interval of time was considered during which the peroxide number of a sample reached certain

CARD: 2/4

H - 86

H

COUNTRY :
CATEGORY :

ABS. JOUR. : RZKhim., No. 28 1959, No. 83713

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : predetermined value. It was established that
Con'd the fastest rate of oxidation occurs with sam-
ples of F containing parchment and acidic
parchment paper. Effect of different grades of
paper on the increase of free fatty acids con-
tent was not noticed. For the purpose of revea-
ling the effect of paper structural characteris-
tics on the stability of F, 1 gr F, dissolved
in 5 ml of petroleum ether, was placed on a
piece of paper measuring 11x7.5 cm. After the
evaporation of petroleum ether, paper samples
(suspended on nylon threads) were exposed to

CARD: 3.4

with a solution 10.01% of ...
revealed the distinct effect of A on the retar-
dation of the F oxidation process.
-- M. Zemlyanykhina

KWAPNIEWSKI, Zbigniew

POLAND

KWAPNIEWSKI, Zbigniew; SLIWIOK, Jozef

Department of General Chemistry, Higher Pedagogic
School (Katedra Chemii Organicznej, Wyższa Szkoła Peda-
gogiczna), Katowice (for both)

Warsaw, Chemia Analityczna,⁸ No 5, 1965, pp 771-74.

"Petroleum as a Stationary Phase in Paper Chromatography
of Higher Fatty Acids".

KWAPNIEWSKI, Zbigniew; SLIWIOK, Jozef

Application of fuchsine dyes as developers in paper chromatography of higher fatty acids. Chem anal 8 no.3: 433-435 '63.

1. Department of Organic Chemistry, Pedagogic School, Katowice.

HOLOWIECKI, Jerzy; PIOTROWSKI, Zygmunt; KWAPULINSKI, Eryk

Evaluation of the clinical usefulness of a color test determining the intensity of bacteriuria. Pol. tyg. lek. 20 no.24:879-880
14 Je '65.

1. Z I Kliniki Chorob Wewnetrznych AM w Katowicach (Kierownik:
prof. dr. Jozef Japa).

OSTROWSKI, K.; KOMENDER, J.; KWARECKI, K.

Quantitative investigations on the solubility of proteins extracted
from tissues fixed with various chemical and physical methods.
Acta biochim.polon.8 no.1:83-87 '61.

1. Department of Histology and Embriology, School of Medicine,
Warsaw.

(PROTEINS chem)

OSTROWSKI, K.; KOMENDER, J.; KOSCIANEK, Hanna; KWARCIECKI, K.

Elution of some substances from the tissues fixed by the "freeze-substitution" method. Acta biochim. polon. 9 no.2:125-130 '62.

1. Department of Histology and Embryology, Medical School, Warszawa.
(HISTOLOGICAL TECHNIQUES) (LIVER chem)
(PHOSPHURUS chem) (NITROGEN₇ chem)

OSTROWSKI, K., doc. dr med.; KOMENDER, J.; KWARECKI, K.

Quantitative research on the solubility of proteins extracted
from tissues fixed by different chemical and physical methods.
Folia morphol 21 no.3:393-398 '62.

1. Zakład Histologii i Embriologii, Akademia Medyczna, Warszawa.
Kierownik; doc. dr K. Ostrowski

*

KWARTA, C.

RUSZKOWSKI, M.; KWARTA, C.

"Bare oats in the new tests of selection and culture" p. 24 (plon, Vol. 4, No. 5,
May 1953, Warszawa)

SO: Monthly List of ~~Russian~~ Accessions East European Vol. 3, No. 3
Library of Congress, March 195⁴, Uncl.

KWARTA, H.

V504. Influence of various methods of drying and storing on cell-phages. H. Kwarta *Acta microbiol. polon.*, 1955, 4, 3-10. — Five bacteriophages tested were isolated from pig faces. They differed distinctly in their sensitivity to the drying procedure. The best results (smallest decrease of the titre) were observed by storing phages in the ice-room after lyophilisation. The method of prep. had a great effect on the final titre of the phage prep. B. VINNY

LORKIEWICZ, Zbigniew; KWAS, Stefan; SZWED-NABIALEK, Grazyna

Antigenic properties of nucleic acid preparations of Rhizobium.
Acta microbiol. pol. 10 no.2:113-118 '63.

1. From the Department of General Microbiology M. Curie-Sklodowska
University, Lublin.

(RHIZOBIUM)

(DNA BACTERIAL)

(POLYSACCHARIDES, BACTERIAL)

KWASHNY, Z.

Method of feed-volume determination of metallic powder. E. Bryjak and Z. Kwasny
(Hutnik, 1951, 18, 290-293; J. Iron Steel Inst., 1952, 170, 299).

The sample (100 g.) is poured from a funnel-shaped sieve placed in a vibrator into a measuring cylinder. To determine the vol. of a powder with tapping, the receiver is vibrated and not the funnel. Thereproducibility of the results is very good.

R.B. Clarke

immediate source clipping

KWASIEBORSKI, J.

"Nutritive needs of animals." p. 12
(Flon, Vol 4 No 1 Jan 53 Warszawa)

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

KWASIEDORSKI, J.

A good bull is half the cowshed. p. 22. (PLON. Vol. 4, No. 7, 1953.)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

KWASIEBORSKI, J.

"For Increased Breeding of Breeding Animals on Individual Farms." p. 22
(Plon, Vol. 5, No. 2, Feb. 1954, Warszawa)

SO: Monthly List of ^{East European} ~~Russian~~ Accessions, Vol. 3, No. 6, Library of Congress, June ¹⁹⁵⁴ ~~1953~~, Uncl.

Card 1/1

KWASIEBORSKI J.

POLAND / Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105637.

Author : Kwasieborski, J.

Inst : ~~Not given.~~

Title : Artificial Insemination Stations in France.

Orig Pub: Plon, 1957, No 35-36, 15.

Abstract: No abstract.

Card 1/1

KWASIEBORSKI, M.

Jak zwiększyć mleczność krow. 5. wyd. Warszawa, Państwowe
Wydawnictwo Rolnicze i Lesne, 1954. 44 p.

POLAND

SOURCE: EAST EUROPEAN ACCESSIONS LIST LC Vol. 5, no. 7, 1956, August.

KWASIEBORSKI, M.

Poradnik brygadiera obrowego. Wyd 2. Warszawa, Panstwowe Wydawn. Rolnicze i
Lesne, 1956. 279 p. (Guidebook for a cattle station foreman. 2d ed.)
DA Not in DLC

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

KWASIEBORSKI, S.

"The Size of Planting Areas Under Contract. p. 4. (GOSPODARKA RYBNA, Vol. 5, No. 3, March, 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C. Vol. 3, No. 4, April, 1954

KWASTEDORSKI, S.

"For Increased Production of Peas." p. 4, (GOSPODARKA ZBOZOWA, Vol. 5,
No. 1, Jan. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accession, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

KWASIEBORSKI, S.

"Contracts Must Be Fulfilled." p. 5, (GOSPODARKA ZBOZOWA, Vol. 5,
No. 9, Sept. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accession, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

KWASIEBORSKI, S.

"For the development of maize production." p. 6. (GOSPODARKA ZBOZOWA
Vol. 5, No. 12, Dec. 1954. Warszawa, Poland)

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

WASTEBORSKI, S.

Supplies contracted from collective farms. p. 6.
GOSPODARKA ZWIZOWA, Warszawa, Vol. 6, no. 6, June 1959.

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 4, no. 10, Oct. 1959,
Uncl.

KWASIEBORSKI, S.

KWASIEBORSKI, S., Principles of barley segregation. p. 10.

Vol. 6, no. 7, July 1955, Warszawa, Poland

AGRICULTURE

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, No. 2, Feb. 1956

KWASIEBORSKI, S.

Carry out in full the contracted deliveries. p. 3. GOSPODARKA
ZBOZOWA. (Polskie Wydawnictwa Gospodarcze) Warszawa. Vol. 6,
no. 10, Oct. 1955.

So. East European Accessions List. Vol. 5, no. 1, Jan. 1956.

KWASIEBORSKI, S.

Deliveries of the contracted grain are still insufficient.
p. 8. GOSPODARKA ZBOZOWA. Vol. 7, No. 5, May 1956
Warszawa.

East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 11, August 1956.

KWASIEBORSKI, S.

Segregation of barley for brewing purposes as an element of its
brewing quality. p. 11. GOSPODARKA ZBOZOWA. Vol. 7, No. 6,
June 1956. Warszawa.

East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 11, August 1956.

KWASIEBORSKI, S.

KWASIEBORSKI, S. The quality of the grain of this year's harvest. p. 14.
Vol. 7, no. 10, Oct. 1956. GOSPODARKA ZBOZOWA. Warszawa, Poland.

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

KWASIFBORSKI, S.

KWASIFBORSKI, S. The quality of the barley for breweries. p. 6. Vol. 7,
no. 11, Nov. 1956. GOSPODARKA ZBOZOWA. Warszawa, Poland.

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

POLAND/Chemical Technology - Chemical Products and Their Applications - Fermentations Industries. H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37767
Author : Kwasieborski, S.
Inst : -
Title : Preliminary Evaluation of Brewing Barley's Quality of the 1957 Crop.
Orig Pub : Przegl. Zboz.-Mlynarski, 1957, 1, No 6, 2-3.
Abstract : Data about barley from different regions of Poland are given, together with meteorological conditions during its vegetation period.

Card 1/1

29

APPROVED FOR RELEASE: 06/19/2000 POLAND/Chemical Technology - Chemical Products and Their Uses. Part III. Fermentations Industries. H. CIA-RDP86-00513R000928320009-8"

Abs Jour : Ref Zhur-Khimiya, No 15, 1958, 51764
Author : Kwasieborski, Stanislaw
Inst : -
Title : Improvement of the Quality of Brewing Barley.
Orig Pub : Przegl. zboz.-mlynarski, 1957, 1, No 9, 8-10, 15.

Abstract : No abstract.

Card : 1/1

KWASIERBORSKI, S.

Quality of the grain of the 1957 harvest.

P. 5. (PRZEGLAD ZBOZOWO-MLYNARSKI) (Warszawa, Poland) Vol. 2, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

KWASIEBORSKI, S.

The quality of grain gathered in 1958. p. 67

PRZEGLAD ZBOZOWO-MLYNARSKI (Polskie Wydawnictwo Gospodarcze) Warszawa, Poland
Vol. 3, no. 3, Mar 1959

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

KWASIBORSKI, Stanislaw, mgr inż.

By electric traction from Warsaw to Wrocław. Przegł kolej
elektrotech 13 no.2:33-34 F '61.

KWASKOWSKI, Adam

Plastic surgery of the eyelid in a case of marginal cancer.
Klin.Oczna 25 no.1:9-14 1955.

1. Z Kliniki Chorob Oczy A.M. w Lodzi. Kierownik Kliniki:
prof.dr med. J. Sobanski.
(EYELIDS, neoplasms,
surg., plastic reconstruction.)

KWASKOWSKI, Adam

Postoperative complication of senile cataract. Klin. oczna 27
no.2:175-179 1957.

1. Z Kliniki Chorob Oczu A.M. w Lodzi. Kierownik: prof. dr. med.
J. Sobanski. Lodz, ul. Narutowicza 128.
(CATARACT EXTRACTION, compl.
postop., in aged (Pol))

KWASKOWSKI, A. (Poznan, ul 23 Lutego 29.33 m. 22.)

An unusual case of cancer of the iris, Klin. oczna 28 no.3:293-298 1958.

1. Z Kliniki Okulistycznej A. M. w Poznaniu Kierownik: prof. dr med
A Kwaskowski.

(IRIS, neoplasms
malignant melanoma without pigment, case report (Pol))

(MELANOMA, case report
malignant melanoma of iris without pigment (Pol))

KWASKOWSKI, Adam

Separation of the choroid following bulbar operations in an eye
disease clinic in Poznan. Klin. oczna 30 no.1:33-40 '60.

1. Z Kliniki Chorob Oczu A.M. w Poznaniu. Kierownik: prof.dr med.
A. Kwaskowski.
(EYE surg.)
(CHOROID dis.)

BERNARDCZYKOWA, Anna; KWASKOWSKI, Adam

Angiomas of the orbit. Klin. oczna 31 no.4:393-402 '61.

1. Z Kliniki Okulistycznej AM w Poznaniu Kierownik: prof. dr med.
A. Kwaskowski Z Zakladu Anatomii Patologicznej AM w Poznaniu Kierownik:
prof. dr med. J. Groniowski.

(ORBIT neopl) (HEMANGIOMA case reports)

KWASKOWSKI, Adam

Distribution table. Klin. oczna 32 no.2:171-172 '62.

1. Z Kliniki Okulistycznej AM w Poznaniu Kierownik: prof. dr med.
A. Kwaskowski.

(OPHTHALMOLOGY equip & supply)

KWASKOWSKI, Adam

Blepharoplasty with the use of the exchange method. Klin. oczna
35 no.3:481-484 '65.

1. Z Kliniki Chorob Oczu AM w Poznaniu (Kierownik: prof. dr. med.
A. Kwaskowski).

KWASNICA, F.

2188. Organization of report office in a refinery. G. Baran and F. Kwasnica. *Nafth (Krakow)*, 1956, 12, 315-31. In any works such as a refinery working 24 hr/day, continuity is very important and this paper gives a method for keeping uniform records. M. S.

2

KWASNICKI, Stanislaw; SPYRKA, Alojzy

New Pb series of universal D.C. machines. Wlad elektrotechn 30
no.5:137-140 My '62.