3

Some Remarks on the Best Approximation of Differential   SOV/20-127-6-3/51
Equations by Polynomials

    $\boxed{\text{Ref } 1,2}$ is applicable. The uniform convergence of the
    approximations for an increasing degree of the approximating
    polynomial is discussed by an example of the Dirichlet problem
    for the Laplace equation and an other case. The authors give
    proposals for the choice of the functions φ_k. They mention
    I.N.Vekua.
    There are 3 Soviet references.

PRESENTED: May 8, 1959, by N.N.Bogolyubov, Academician

SUBMITTED: May 3, 1959

Card 2/2

20-119-6-4/56

AUTHOR: Zukhovitskiy, S.I. and Eskin, G.I.

TITLE: The Problem of Chebyshev Approximation Within a Commutative Hilbert Ring (Zadacha chebyshevskogo priblizheniya v kommutativnom gil'bertovom kol'tse)

PERIODICAL: Doklady Akademii nauk SSSR,1958,Vol 119,Nr 6,pp 1074-1076(USSR)

ABSTRACT: On the compact Q let $\varphi_1(q),\ldots,\varphi_n(q)$ be continuous functions with values in the infinite-dimensional commutative Hilbert ring H. It is $\varphi_k(q) = \sum_\alpha \varphi_{\alpha k}(q) e_\alpha$, where $\varphi_{\alpha k}$ is continuous on Q and $\{e_\alpha\}$ is the base of the orthogonal irreducible idempotent. Let the function $f(q)$ continuous on Q with values in H be approximated by the polynomials $\sum_{k=1}^{n} a_k \varphi_k(q)$, $a_k \in H$. Let T denote the set of all $a = (a_1,\ldots,a_n)$, $a_k \in H$, for which $\sum_{k=1}^{n} a_k \varphi_k(q) \equiv 0$ on Q. Let S be the orthogonal complement of T in the Hilbert space H^n with the norm $\|a\|_{H^n} = \left(\sum_{k=1}^{n} \|a_k\|^2 \right)^{1/2}$

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The Problem of Chebyshev Approximation Within a Commutative 20-119-6-4/56
Hilbert Ring

Theorem: In order that there exists a polynomial of best approximation for every $f(q)$ it is necessary and sufficient that S is finite-dimensional.

Theorem: Let dim $S = tl$, where t is an integer and l is the number of indices α so that $\varphi_{\alpha k}(q) \neq 0$ on Q for at least one $k = 1, 2, \ldots, n$. In order that there exists a single polynomial of best approximation $\sum_{k=1}^{n} a_k^{(o)} \varphi_k(q)$, $(a_1^{(o)}, \ldots, a_n^{(o)}) \in S$ for every $f(q)$ it is necessary and sufficient that every polynomial

$$\sum_{k=1}^{n} a_k \varphi_k(q) \, , \quad \sum_{k=1}^{n} \|a_k\| > 0 \, , \quad (a_1, \ldots, a_n) \in S \text{ does not vanish in}$$

more than $t-1$ points of Q.

Theorem: Let $\varphi_k(q)$ satisfy the condition that every $\sum_{k=1}^{n} a_k \varphi_k(q)$

$(\sum_{k=1}^{n} \|a_k\| > 0)$ does not vanish in more than $n-1$ points of Q, where

Q has more than n points. Let the function $f(q)$ possess a polynomial of best approximation. In order that

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The Problem of Chebyshev Approximation Within a Commutative   20-119-6-4/56
Hilbert Ring

$\sum_{k=1}^{n} a_k^{(o)} \varphi_k(q)$ is this polynomial it is necessary that the

deviation $\max_{q \in Q} \left\| \sum_{k=1}^{n} a_k^{(o)} \varphi_k(q) - f(q) \right\|$ is attained in at least n+1
points of Q.

Theorem: In order that every function $f(q)$ possessing a poly-
nomial of best approximation admits only exactly one such
polynomial it is necessary and sufficient that every polynomial

$\sum_{k=1}^{n} a_k \varphi_k(q)$ $\left(\sum_{k=1}^{n} \| a_k \| > 0 \right)$ does not vanish in more than n-1

points of Q.

There are 6 Soviet references.

ASSOCIATION: Lutskiy gosudarstvennyy pedagogicheskiy institut imeni Lesi
Ukrainki (Lutsk State Pedagogical Institute imeni Lesya Ukrainka)
PRESENTED: December 4, 1957, by N.N.Bogolyubov, Academician
SUBMITTED: December 2, 1957

Card 3/3

ESKIN, G.I. [Eskin, H.I.]; ZUKHOVITSKIY, S.I. [Zukhovyts'kyi, S.I.]

Some theorems on Tchebycheff's approximation of functions with values belonging to a commutative completely regular ring [with summary in English]. Dop. AN URSR no. 4:368-371 '58. (MIRA 11:8)

1. Luts'kiy pedinstitut im. Lesi Ukrainski. Predstaviv akademik M.M.Boholiubov [N.N.Bogolyubov].
(Functional analysis)

ZUKHOVITSKIY, S.I.

Algorithm for constructing the Chebyshev approximation of a continuous function by polynomials. Dokl. AN SSSR 120 no. 4:693-696 Je '58.   (MIRA 11:8)

1. Lutskiy pedagogicheskiy institut im. Lesi Ukrainki. Predstavleno akademikom N.N.Bogolyubovym.
                        (Algorism)
                  (Functions, Continuous)
                        (Polygons)

AUTHORS: Eskin, G.I., Zukhovitskiy, S.I.   SOV-21-58-4-3/29

TITLE: Some Theorems on the Chebyshev Approximation of Functions
              with Values Belonging to a Commutative C*-Algebra (Nekotoryye
              teoremy o Chebyshevskom priblizhenii funktsiy so znache-
              niyami v kommutativnom vpolne regulyarnom kol'tse)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 4,
              pp 368-371 (USSR)

ABSTRACT: A continuous function $f(q)$ on some compact Q is considered
              with values in the Banach commutative regular ring R with
              unity (R is a commutative of C* -algebra with unity) by
              means of polynomials $\sum_{k=1}^{n} \alpha_k \varphi_k (q)$ .In these polynomials

              $\alpha_1, \ldots, \alpha_n$ are complex numbers and $\varphi_1(q)\ldots,\varphi_n(q)$

              are some fixed continuous functions on Q to R. A polynomial
              $\sum_{k=1}^{n} \alpha_k^{(s)} \varphi_k(q)$ is sought which satisfies the require-
Card 1/3   ment:

SOV-21-58-4-3/29

Some Theorems on the Chebyshev Approximation of Functions with Values
Belonging to a Commutative C*-Algebra

$$\max_{q \in Q} \left\| \sum_{k=1}^{n} \alpha_k^{(0)} \varphi_k(q) - f(q) \right\| = \inf_{\alpha_k} \max_{q \in Q} \left\| \sum_{k=1}^{n} \alpha_k \varphi_k(q) - f(q) \right\| \tag{1}$$

The author formulates three theorems and states that they
can be proven, starting from the corresponding theorems of
the Chebyshev approximation of numerical functions and the
Gel'fand-Naymark theorem /Ref. 3/. The necessary condition
is given for the polynomial to be a Chebyshev polynomial as
well as the necessary condition for the uniqueness of such
a polynomial. A similar problem is then considered, related
to the ring engendered by an Hermitian operator in Hilbert

space, that is the uniqueness of a polynomial $\sum_{k=0}^{n-1} \alpha_k^{(0)} A^k$

is asserted for which holds the following requirement:

$$\left\| \sum_{k=0}^{n-1} \alpha_k^{(0)} A^k - B \right\| = \inf_{\alpha_k} \left\| \sum_{k=0}^{n-1} \alpha_k A^k - B \right\| \tag{2}$$

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SOV-21-58-4-3/29

Some Theorems on the Chebyshev Approximation of Functions with Values
Belonging to a Commutative C* -Algebra

where A is an arbitrary Hermitian operator in Hilbert space
and B is any operator $B \in R(A)$. There are 3 Soviet refer-
ences.

ASSOCIATION: Lutskiy pedinstitut imeni Lesi Ukrainki (Lutsk Pedagogical
Institute imeni Lesya Ukrainka)

PRESENTED: By Member of the AS USSR, N.N. Bogolyubov

SUBMITTED: September 5, 1957

NOTE: Russian title and Russian names of individuals and insti-
tutions appearing in this article have been used in the
transliteration.

1. Functions--Theory   2. Polynomials--Applications   3. Complex
numbers--Applications   4. Operators (Mathematics)--Applications

Card 3/3

ZUKHOVITSKIY, S.I.; ESKIN, G.I.

Chebyshev's approximation in a commutative Hilbert ring. Dokl. AN SSSR 119 no.6:1074-1076 Ap '58.   (MIRA 11:6)

1. Lutskiy gosudarstvennyy pedagogicheskiy institut im. Lesi Ukrainki. Predstavleno akademikom N.N. Bogolyubovym.
(Functions, Continuous)

AUTHOR: ZUKHOVITSKIY, S. I. (Kiyev)

                                                    39-43-4-4/4

TITLE: Amendments to the Paper "Some Theorems of the Theory of
            Chebyshev Approximations in the Hilbert Space" (Isprav-
            leniye k rabote "Nekotoryye teoremy teorii chebyshevskikh
            priblizheniy v prostranstve Gil'berta").

PERIODICAL: Mathematicheskiy Sbornik, 1957, Vol 43, Nr 4, pp 504 (USSR)

ABSTRACT: In a theorem published by the author in 1955 [Ref. 1] the
            assumptions must be replaced by stronger ones. One Soviet
            reference is quoted.

SUBMITTED: 6 January 1958

AVAILABLE: Library of Congress

Card 1/1   1. Topology—Theory

20-120-4-2/67

AUTHOR: Zukhovitskiy, S.I. (Lutsk)

TITLE: An Algorithm for the Construction of the Chebyshev Approxima-
            tion of a Continuous Function by a Polynomial (Algorifm dlya
            postroyeniya Chebyshevskogo priblizheniya nepreryvnoy funktsii
            polinomom)

PERIODICAL: Doklady Akademii nauk SSSR,1958,Vol 120,Nr 4,pp 693-696(USSR)

ABSTRACT: On the compact Q let a real continuous function $f(q)$ and
            a system of real continuous linearly independent functions
            $\varphi_1(q),\ldots,\varphi_n(q)$ be given. The author proposes a new algorithm
            for the determination of coefficients ξ_k for which

$$\max_{q \in Q} \left| \sum_{k=1}^{n} \xi_k^0 \varphi_k(q) - f(q) \right|$$

            attains a minimum. Here only the function values in those
            points of Q are essentially applied in which the absolute value
            of the difference between the approximating polynomial and
            $f(q)$ attains a maximum.
            There are 5 Soviet references.

Card 1/2

2n-120-4-2/€7

An Algorithm for the Construction of the Chebyshev
Approximation of a Continuous Function by a Polynomial

ASSOCIATION: Lutskiy pedagogicheskiy institut imeni Lesi Ukrainki
(Lutsk Pedagogical Institute imeni Lesya Ukrainka)

PRESENTED: December 13, 1957, by N.N. Bogolyubov, Academician

SUBMITTED: December 3, 1957

1. Mathematics

Card 2/2

Transactions of the Third All-union Mathematical Congress   (Cont.)Moscow,
Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Call Nr: AF 1108825

82-83

Zukhovitskiy, S. I. (Kiyev).   On a Minimum Problem of the
Problem of Moments.

83-84

There is 1 German reference.

Kaz'min, Yu. A. (Zernovoy).   On Complete Systems in
Hilbert Spaces.

84-85

There are 2 references, 1 of which is USSR, and the
other German.

Kozmanova, A. A. (Sverdlovsk).   The Theorem of Polya for
Entire Functions of Two Complex Variables

85

Kufarev, P. P. (Tomsk).   On the Method of Parametric
Representation and G. M. Goluzin Variational Method.

85-86

Card 26/80

ZUKHOVITSKIY, S.I. (Kiyev).

Correction to the work "Some theorems of the theory of Chebyshev's approximations in Hilbert space." Mat. sbor. 43 no.4:504 D '57.
(Approximate computation) (Hilbert space) (MIRA 11:3)

AUTHOR: ZUKHOVITSKIY S.I., ESKIN G.I.

TITLE:

On the Approximation of Abstract Continuous Functions by   20-5-4/48
Unbounded Operator Functions (O priblizhenii abstraktnykh
nepreryvnykh funktsiy neogranichennymi operator-funktsiyami)

ABSTRACT: Theorem 1: On the compactum Q let be defined an operator function
$A(q)$ with the following properties: 1) For every $q \in Q$, $A(q)$ is a
closed linear operator of the Hilbert space H_1 into the Hilbert
space H_2. For all $q \in Q$, $A(q)$ has the same region of definition
$D_{A(q)} = D$ dense in H_1. 2) For every fixed $x \in D$, $A(q)x$ is a
function continuous on Q with the values in H_2.

In order that for every function $f(q)$ continuous on Q with the
values in H_2 there exists a vector $x_0 \in D$ such that

$$\inf_{x \in D} \ \max_{q \in Q} \ \| A(q)x - f(q) \|_2 = \max_{q \in Q} \| A(q)x_0 - f(q) \|_2$$

it is necessary and sufficient that for an $m > 0$ and all $x \in D$

$$\max_{q \in Q} \| A(q)x \|_2 \geq m \| x \|_1.$$

Card 1/2

On the Approximation of Abstract Continuous Functions by   20-5-4/48
Unbounded Operator Functions

Theorem 2: Let $A(q)$ satisfy the conditions of theorem 1 and let dim $H_1 <$ dim H_2. In order that for every function $f(q)$ continuous on Q with the values in H_2 there exists a unique function $A(q)x_0$ approximating best the function $f(q)$ in Q, it is necessary and sufficient that the equation $A(q)x = \Theta_2$ for $x \neq \Theta_1$ has no root on Q.

A further theorem contains the transfer of earlier results of the author [Ref 4,5] to operator functions. The two last theorems of the paper give the assertions in Banach spaces corresponding to the theorems 1 and 2. Five Soviet references.

PRESENTED: By N.N.Bogolyubov, Academician, April 26, 1957
ASSOCIATION: Lutsk State Pedagogical Institute imeni Lesya-Ukrainka   (Lutakiy
              gosudarstvennyy pedagogicheskiy institut im. Lesi Ukrainki)
SUBMITTED: April 24, 1957
AVAILABLE: Library of Congress

Card 2/2

ZUKIC, Slavoljub, inz.

List of lectures and seminars held up to the fall of 1961
and organized by the Society of Fonders of the People's
Republic of Croatia. Ljevarstvo 8 no.3/4:128 '61.

ZUKIEWICZ, Fazimierz, mgr.,ferm.

The postgraduate specialization of pharmacists in Czechoslovakia.
Farmacja Pol 16 no.24:518-519 D '61.

ZUKIEWICZ, Kazimierz, mgr.

A speedy volumetric method of determining the density of
solid substances. Farmacja polska 18 no.12:284 25 Je '62.

GAL'PERIN, S.M., inzh.; ZUKIN, M.I., inzh.

Modernized end rotor. Stroi. truboprov. 6 no.9:30 S '61.
(MIRA 14:9)

(Pipelines--Welding)

GAL'PERIN, S.M., inzh.; ZUKIN, M.I., inzh.

New roller supports for large-diameter pipes. Stroi. truboprov.
6 no.9:30 S '61.   (MIRA 14:9)
                    (Pipe--Equipment and supplies)

ZUKINA, I.

Phytocoenologic and instructive excursion in Lika. p. 44.
SUMARSKI LIST, Zagreb, Vol. 79, no. 1/2, Jan./Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

ZUKJAR, V. P.

U.S.S.R. / Human and Animal Physiology. Nervous Sys-   T
           tem.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22693.

Author : Zukjar, V. P.
Inst   : Not given.
Title   : Changes of Cortex Dynamics During Hypnotic
          Sleep (From Data of Investigations of Vascular
          Reactions).

Orig Pub: zh. neropatol. i pikhiatrii, 1957, prilo-
          zhenie, 5556.

Abstract: During light hypnotic sleep, paradoxical and
          leveling phases of cortical inhibition were
          demonstrated; in moderately deep hypnotic
          sleep - the paradoxical and narcotic phases.
          In the stage of deep hypnosis, besides those,

Card 1/2   116

GRINBERG, S.D., inzh.; KARPINSKIY, Yu.P., inzh.; ZUKKER, M., inzh.;
    KROVOBOKOV, V.N., inzh.

Experimental investigation of transient processes in the motor
of a continuous rolling mill. Trudy Inst.chern.met.AN URSR
16:138-142 '62.   (MIRA 15:12)
                    (Rolling mills—Electric driving)
                    (Transients (Electricity))

JINDROVA,M.; ROTH,B.; STEIN,J.; ZUKLINOVA,M.

EEG studies on intrasellar tumors and tumors compressing or
infiltrating the mesodiencephalic region with special reference
to sleep activity. Cesk. neur. 23 no.1/2:79-89 Ja '60.

1. Laborator pro patofyziologii nervove soustavy fakulty vseobec-
neho lekarstvi KU v Praze, prednosta akademik K. Henner; Neurolog-
icka klinika KU v Praze, prednosta akademik K. Henner.
        (ELECTROENCEPHALOGRAPHY)
        (SELLA TURCICA neopl.)
        (BRAIN NEOPLASMS diag.)
        (SLEEP)

STEIN, J.; ZUKLINOVA, M.

The electroencephalogram in patients with intracranial space-occupying processes in childhood. Cesk. pediat. 16 no.12:1070-1085 D '61.

1. Lekarska fakulta KU v Praze. Laborator pro patofysiologii nervoveho systemu, prednosta akad. K. Henner. Neurologicka klinika KU v Praze, predn. akad. K. Henner.

(BRAIN NEOPLASMS in inf & child)
(ELECTROENCEPHALOGRAPHY in inf & child)

STEIN, J.; ZUKLINOVA, M.

Electroencephalograms in patients with intraventricular meningiomas.
Cesk. pediat. 20 no.9:767-774 S '65.

1. laborator pro patofyziologii nervoveho systemu a neurologicka
klinika fakulty vseobecneho lekarstvi Karlovy University v Praze
(prednosta akademik K. Henner).

BOGUSEVICIUTE, A.; LUKAITIENE, M.; NOVASAITIS, M.; SKEIVIENE, O.;
        VENGELIAUSKAITE, A.; SESELGIENE, T., arkhitekt; ZUKLYS,L.,
        kand. biol. nauk; KARPAVICIUTE, M., red.; GOTLERIS, D.,
        tekhn. red.

        [Landscape gardening] Dekoratyvine sodininkyste. Vilnius,
        Valstybine politines ir mokslines literaturos leidykla,
        1963. 406 p.   (MIRA 16:5)

        1. Lietuvos TSR Mokslu Akademija, Vilna. Botanikos insti-
        tutas. 2. Nauchnyye sotrudniki Botanicheskogo instituta AN
        Litovskoy SSR (for all except Lukaitiene, Karpaviciute,
        Gotleris).
                (Lithuania—Landscape gardening)

KOLODZIEJCZAK, J.; ZUKOTYNSKI, S.

On the transport theory for semiconductors with warped energy
surfaces. Acta physica Pol 23 no.6:783-794 Je '63.

1. Institute of Physics, Polish Academy of Sciences, Warsaw, and
University, Warsaw.

ZUKOTYNSKI, Stefan, mgr

Eleventh Meeting of the International Union of Pure and Applied
Physics in Warsaw. Problemy 19 no.12:770-771 '63.

L 00871-67   T/EWP(t)/EI

ACC NR: AP6024356

AUTHOR: Kołodziejczak, J.; Żukotyński, S.

ORG: [Kołodziejczak] Institute of Physics, Polish Academy of Sciences;
Institute of Physics, Warsaw University, Warsaw

TITLE: The effect of higher bands on the effective masses in InSb and InAs

SOURCE: Physica status solidi, v. 16, no. 1, 1966, K55-K58

TOPIC TAGS: antimonide, arsenide, indium compound, semiconductor band structure

ABSTRACT: In their previous paper (J. Kołodziejczak, S. Żukotyński, and H. Stramska,
phys. stat. sol. 14, 471, 1966), the authors calculated the band parameters of the fourth group of semiconductors, tak-
most recent results for the band parameters of the fourth group of semiconductors, tak-
ing into account the linear terms in the energy of heavy holes. In the present paper, the proper
mistake in the definition of the band parameter M. However, they made a
definition of this parameter is given as

$$M = -\frac{q^2}{\varepsilon(\Gamma_{15c}) - \varepsilon(\Gamma_{15v})}$$

Tables of the corrected numerical values of the effective masses are given.   Effect

L 00871-67
ACC NR: AP6024356

masses of electrons obtained experimentally for high electron concentrations in InP and InAs were compared with the authors' calculations, and a satisfactory agreement was found. At very high concentrations, the effect of higher band interactions does not fully explain the observed strong increase of the effective mass; the band structure is thought to be affected by impurities. Authors express their gratitude to Prof. Dr. I. M. Tsidilkovskiy for pointing out the mistake in their previous paper and for his interest in their calculations. Orig. art. has: 2 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 10Jun66/ OTH REF: 014
SOV REF: 005

LS . 2/2

ZANDERS, Roberts; ZUKOVS, L. red.; PAEGLIS, J., tekhn. red.

[Development of forest management in the Latvian S.S.R. during
the last 20 years]Latvijas PSR mezsaimniecibas un mezrupniecl-
bas attistiba 20 gados. Riga, Tehniskas informacijas centra-
lais birojs, 1960. 33 p.
            (Latvia--Forest management)   (MIRA 15:8)

JAMROZIK, Teresa; MICHALOWICZ, Roman; ZUKOWSKA, Wanda

Evaluation of the Congo red test as a method for early detection of amyloid changes in tuberculous children. Pediat. pol. 37 no.8:825-829 Ag '62.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie Kierownik: prof. dr med. H. Brokman.
        (TUBERCULOSIS IN CHILDHOOD)   (AMYLOIDOSIS)   (CONGO RED)

KRAKOWKA, Pawel; ZUKOWSKA-OLSZKO, Halina; HALWEG, Halina ; TRACZYK,
    Kazimierz

Pulmonary nocardiosis. Gruzlica 32 no.12:1105-1111 D '64

1. Z Kliniki Chorob Pluc i z Pracowni Mykologicznej Instytutu
Gruzlicy (kierownik: doc. dr. med. P. Krakowka) i z Kliniki
Ftizjatrycznej Akademii Medycznej w Bialymstoku (kierownik:
doc. dr. med. W. Pregowski).

BREJT, Janusz, inz.; KLOPOTOWSKI, Jan, mgr., inz.; ZUKOWSKI, Bogumil, inz.

Poligonation net for the land register. Przegl geod 34 no.3:100-102
Mr '62.

BREJT, Janusz, mgr. inz.; KLOPOTOWSKI, Jan, mgr. inz.; ZUKOWSKI, Boguslaw, inz.

Technical preparation of polygonal networks as a basis for the
land register. Pt. 2. Przegl geod 34 no.4:145-149 Ap '62.

ZUKOWSKI, Boguslaw, mgr inz.

Conference on the economic and agricultural directives for
drafts of planned building grounds. Przegl geod 37 no.2:67-
68 F '65.

MATEJAK, L., mgr inz.; BARTELAK, M., mgr; SOSNA, J., mgr; KLOBUKOWSKI, J.,
      mgr inz.; ZUKOWSKI, J., mgr

      Sanitary state of the Wilga River. Gaz woda techn sanit 37
      no.11:350-352 N '63.

ARCT, J.; CZERWINSKA, E.; ECKSTEIN, Z.; EJMOCKI, Z.; KOWALIK, R.; SOBOTKA, W.;
ZUKOWSKI, E.

Properties and fungicidal activity of aryloxyalkanehydroxamic
acids. Pt.7. Bul chim PAN 12 no.7:465-470 '64.

1. Department of Organic Technology II of Warsaw Technical
University and Mycological Laboratory of the Institute of
Organic Industry, Warsaw. Submitted May 11, 1964.

ZUKOWSKI, Kazimierz; KOZLOWSKI, Slawomir; ZAWISLAK, Tadeusz

Studies on mites in the Kampinos Forest and in the area surrounding
Warsaw during 1957-1958. Wiad.parazyt. 7 no.1:29-37 '61.

1. Zaklad Parazytologii Lekarskiej Panstwowego Zakladu Higieny,
Warszawa.
                        (MITES)

ZUKOWSKI, Kazimierz

Investigations on the variability of some acarid species of the genus
Laelaps Koch, 1836. Acta parasit Pol 10 no.1/11:53-71 '62.

1. Zaklad Parazytologii Lekarskiej, Panstwowy Zaklad Higieny,
Warszawa, Chocimska, 24.

WROBLEWSKA-MULARCZYKOWA, Zofia· ZOLTOWSKI, Zbigniew; DOBRZYNSKI, Leszek;
PRZESMYCKI, Feliks; SZYKULA, Roman; OLKOWSKA, Danuta; SWOBODZINA,
Ewa; SZYMANSKI, Stanislav; KOZLOWSKI, Slawomir; ZUKOWSKI, Kazimierz.

A search for arborviruses previously not known to occur in
Poland. II. Serologic and virologic studies in selected areas
of Warsaw abd Bialystok. Przegl. epidem. 18 no.4:381-390 '64.

KOZLOWSKI. Slawomir; SZYMANSKI, Stanislaw; ZOLTOWSKI. Zbigniew; ZUKOWSKI
    Kazimierz: PRZESMYCKI, Feliks: PIELOWSKI. Zygmunt; RYSZKOWSKI,
    Leslaw.

A search for arborviruses previously not known to occur in
Poland. IT. Preliminary arachno-entomologic study of the
Kampinos Forest and adjoining areas. Przegl. epidem. 18
no.4:391-399 '64.

DEMISKA, Zofia; ZUKOWSKI, Kazimierz

Parasitic protozoa of the Birds from the Kampinos forest found at autopsy. Wiad. parazyt. 11 n. 5:407-401 '65

. Zaklad Parazytologii Lekarskiej Panstwowego Zakladu Higieny, Warszawa.

ZUKOWSKI, Kazimierz; KRUKOWSKA, K.

Myiosis of the eye in a child due to the larva of Hypoderma bovis (De Geer). Wiad. parazyt. 11 no.5:497-498 ' 65.

1. Zaklad Parazytologii Lekarskiej Panstwowego Zakladu Higieny i Szpital Dzieciecy Nr. 1, Warszawa.

ZUKROWSKI, Leon, inz.

The petroleum refining industry in capitalist and socialist
countries on January 1, 1963. Nafta Pol 19 no.11:261-266
N'63.

ARKIN, Wiktor, prof. dr. med.; ANTOSZKIEWICZOWA, Hanna; TRACZUK-
        SOROKOWSKA, Natalia; ZUKOWSKI, Ludwik.

        An objective detection of eccentric fixation by fundus
        photography. Klin. oczna 35 no.2:251-253 '65.

        1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy
        w Warszawie (Kierownik: prof. dr. med. W. Arkin).

ZuKRowsKi, Leon

POLAND/Chemical Technology - Chemical Products and Their   II-23
                Application. Treatment of Natural Gases and

Abs Jour   : Ref Zhur - Khimiya, No 8, 1958, 26473

Author   : Zukrowski Leon
Inst   :
Title   : Operation Results of Polish Petroleum Refining
              Industry During 1956.

Orig Pub   : Nafta (Polska), 1957, 13, No 5, 123-127.

Abstract   : No abstract.

Card 1/1

ZUKOWSKI, Roman, mgr.,inz.

Problems connected with the utilization of inferior quality
coal. Przegl gorn 17 no.9:479-482 S '61.

ZUKOWSKI, Waclaw

    Revision of investment expenses in the machine tool industry. Przegl techn
    no.37:3 14 S '60

FALKIEWICZ, Antoni; GORNY, Stanislaw; GRUSZKA, Stanislaw; MARCINIAK,
    Roman; SMOLIK, Roman; WOJCIECHOWSKI, Franciszek; ZUKOWSKI,
    Wojciech.

    Hyperostosis frcntalis interna. Incidence and clinical features.
    Pol. arch. med. wewnet. 35 no.5:615-617 '65.

    Autonomic disturbances in hyperostosis interna. Ibid.:619-624

    Hyperostosis frontalis interna. Hormonal assays. Ibid.:625-626

    1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik:
    prof. dr. med. A. Falkiewicz).

GRUSZKA, Stanislaw; ZUKOWSKI, Wojciech

Relation of Sjögren's syndrome to cancer. Pol. tyg. lek.19 no.45:
1738-1739 N 9'64

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. Antoni Falkiewicz)

ZUKOWSKI, Wojciech

Imidazole goiter. Pol. arch. med. wewn. 33 no.4:433-438 '69.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu.Kierownik:
prof. dr med. A. Falkiewicz i z Wojewodzkiej Poradni Chorob
Tarczycy we Wroclawiu Kierownik: dr med. A. Pacynski.
(IMIDAZOLES)   (GOITER)

POLAND

SOSNOWSKI, Karol and ZUKOWSKI, Wojciech; First Clinic of
Tuberculosis (I Klinika Gruzlicy) (Director: Prof. Dr. med.
T. GARBINSKI), Second Clinic of Internal Diseases (II Klini-
ka Chorob Wownetrznych) (Director: Prof. Dr. A. FALKIEWICZ),
both of AM [Akademia Medyczna, Medical Academy] in Wroclaw
and the Wojewodztwo Consulting Clinic for Thyroid Diseases
(Wojewodzka Poradnia Chorob Tarczycy) in Wroclaw (Director:
Dr. med. A. PACYNSKI)

"Hyperthyreosis and Tuberculosis."

Abstract: [Authors' English summary] Authors observed 38
cases with both hyperthyroid and tuberculosis selected out
of 1857 patients of the Thyroid Clinic and 379 of the TB
Clinic, and arrived at the following conclusions: 1) TB of
the lungs occurs less frequently among patients with hyper-
thyreosis than among normal people, 2) The most frequently
observed tubercular form in such patients is of the limited
fibroso-nodular type, and 3) Hyperthyreosis does not exacer-
bate the tubercular process. 23 refs: 6 Polish.
1/1

ZUKOWSKI, Wojciech (Wroclaw, II Klinika Chorob Wewnetrznych)

Hyperthyroidism and pregnancy. Polskie arch. med. wewn. 27 no.10:1391-1395 1957.

1. Z II Kliniki Chorob Wewnetrznych A.M. we Wroclawiu Kierownik: prof. dr med. A. Falkiewicz i z Wojewodzkiej Poradni Chorob Tarczycy we Wroclawiu Kierownik: dr med. A. Pacynski.
        (PREGNANCY, in various diseases,
            hyperthyroidism (Pol))
        (HYPERTHYROIDISM, in pregnancy
            (Pol))

ZUKOWSKI, Wojciech

Results of the treatment of adiposogenital syndrome. Pol. tyg. lek. 18 no.35:1308-1310 26 Ag '63.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu; kierownik; prof. dr A. Falkiewicz i z Wojewodzkiej Poradni Chorob Tarczycy we Wroclawiu; kierownik: dr med. A. Pacynski.
                    (GONADOTROPINS, CHORIONIC)
                    (FROEHLICH'S SYNDROME)

SOSNOWSKI, Karol; ZUKOWSKI, Wojciech

Hyperthyroidism and tuberculosis. Pol. tyg. lek. 18 no.38:
1409-1410 16'S '63.

1. Z Kliniki Gruzlicy AM we Wroclawiu; kierownik: prof. dr
med. T. Garbinski, z II Kliniki Chorob Wewnetrznych AM we
Wroclawiu; kierownik: prof. dr A. Falkiewicz i z Wojewodzkiej
Poradni Chorob Tarczycy we Wroclawiu; kierownik: dr med.
A. Pacynski.
            (TUBERCULOSIS, PULMONARY)   (HYPERTHYROIDISM)

PLAMIENIAK, Zdzislaw; ZUKOWSKI, Wojciech

Plasma lipoproteins in certain thyroid diseases. Pol. arch. med. wewn.
33 no.2:131-137 '63.

1. Z II Kliniki Chorob Wewnetranych AM we Wroclawiu Kierownik: prof.
dr med. A. Falkiewicz i z Wojewodzkiej Poradni Chorob Tarczycy we
Wroclawiu Kierownik: dr med. A. Pacynski.
  (LIPOPROTEINS)   (HYPERTHYROIDISM)   (HYPOTHYROIDISM)
          (THYROIDISM)   (BLOOD CHEMICAL ANALYSIS)

GRUSZKA, Stanislaw; ZUKOWSKI, Wojciech; ORLESPA, Irena

Goiter in the course of acromegaly. Przegl. lek. 21 no.6:
428-430 '65.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik:
Prof. dr. med. A. Falkiewicz).

ZUKOWSKI, Wojciech; GRUSZKA, Stanislaw

Determination of the pituitary reserve in hyperthyroidism.
Pol. tyg. lek. 20 no.16:556-558 19 Ap '65.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik:
prof. dr. med. Antoni Falkiewicz).

GRUSZKA, Stanislaw; ZUKOWSKI, Wojciech

Role of genetic factors in diabetes insipidus. Pol. tyg. lek.
19 no.36:1370-1372 7 S '64.

1. Z II Kliniki Chorob Wewnetrznych Akademii Medyc ej we
Wroclawiu (kierownik: prof. dr med. Antoni Falkiewicz).

ZUKOWSKI, Wojciech; GRUSZKA, Stanislaw

Clinical value of the metopirone test. Wiad. lek. 18 no.9:
771-776 1 My '65.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik:
prof. dr. med. A. Falkiewicz).

GRUSZKA, Stanislaw; ZANDLER-KOSZEINIK, Bogumil; ZUKOWSKI, Wojciech

    Data to the pathogenesis of the Löfgren syndrome. Pol. tyg. lek.
    20 no.8:283-285 22 F'65.

    1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej we Wroc-
    lawiu (kierownik: prof. dr. med. Antoni Falkiewicz).

RANDOWA, Danuta; GRUSZKA, Stanislaw; ZUKOWSKI, Wojciech

Respiratory function tests in hyperthyroidism. Pol. tyg. lek.
20 no.17:589-590 26 Ap '65.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik:
prof. dr. med. Antoni Falkiewicz) i z Kliniki Gruzlicy Pluc AM
we Wroclawiu (p.o. Kierownika: dr. med. Karol Sosnowski).

SZYDLIK, Henryk; ZUKOWSKI, Wojciech; GRUSZKA, Stanislaw; PODLESKI, Wojciech

Cases of suicide treated in the 2nd Clinic of Internal Diseases
of the Academy of Medicine in Wroclaw. Pol. tyg. lek. 20 no.37:
1393-1396 13 S '65.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik:
prof. dr. med. Antoni Falkiewicz) i z Kliniki Psychiatrycznej
AM we Wroclawiu (Kierownik: doc. dr. med. Adam Bukowczyk).

ZUL, N.M.

LEVIN, M.S., kand. tekhn. nauk; ZUL', N.M., kand. tekhn. nauk.

Protection and automatic reclosing of distribution networks. Elektri-
chestvo no.12:82-84 D '56.   (MIRA 11:3)
    (Electric power distribution)   (Electric switchgear)

ZUL', N.M., kand.tekhn.nauk; KULIYEV, P.A., inzh.

Operational reliability of automatic relay systems of electrical power distribution networks. Elektrichestvo no.9:40-44 S '65.
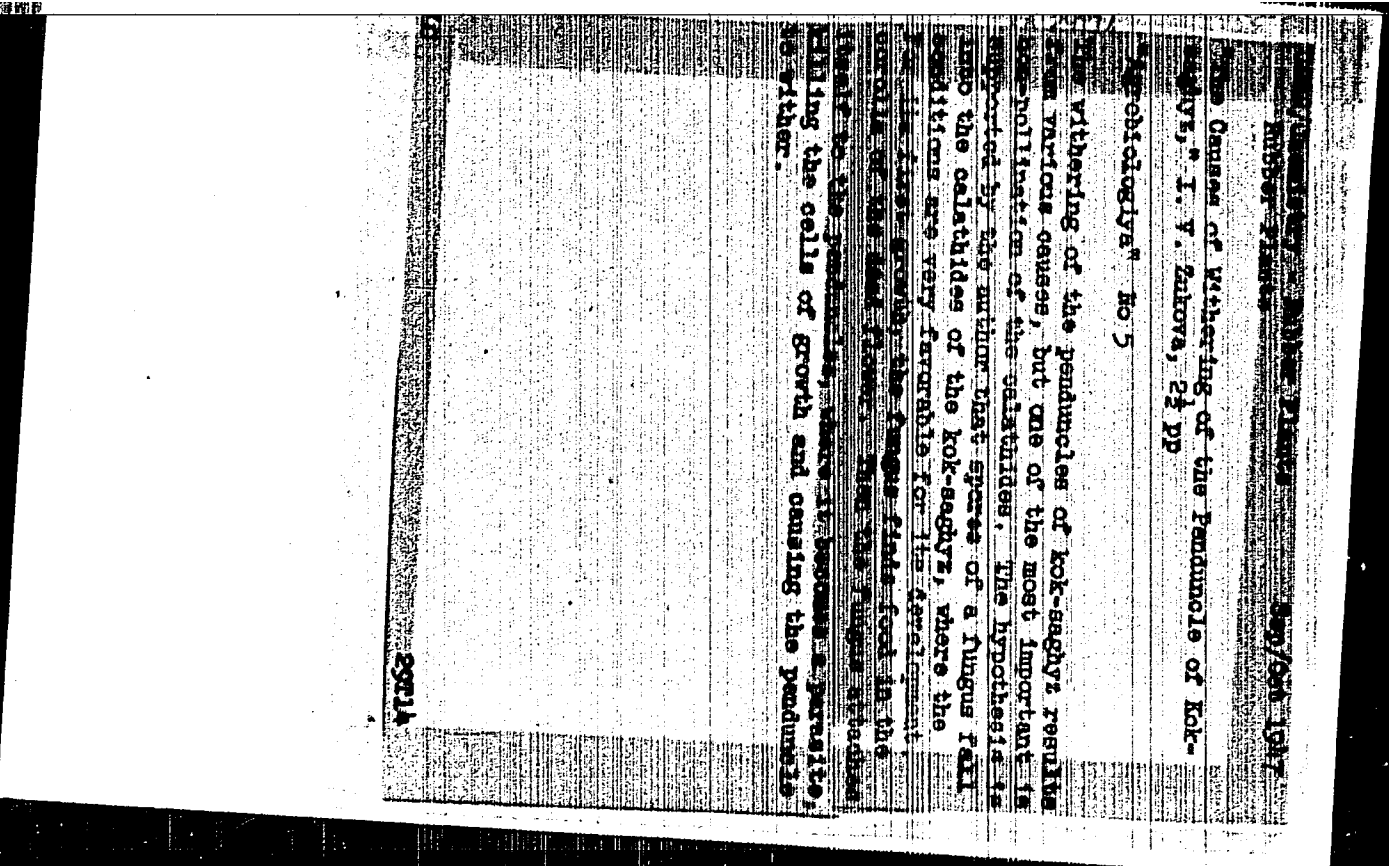
(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva.

KOCHETKOV, N.K.; KUCHEROVA, N.F.; ZUKOVA, L.G.

Indole derivatives. Part 7: Synthesis of some derivatives of
1,2,3,4,4a,9a-hexahydro-γ-carboline. Zhur. ob. khim. 31
no.3:924-930 Mr '61.   (MIRA 14:3)

1. Nauchno-issledovatel'skiy institut farmkologii i khimio-
terapii.
                    (Pyridindole)

Causes of Withering of the Peduncle of Kok-

Zakova, I. V. Zakova, 24 pp

"Sel'skoe Khozyaistvo" No 5

Withering of the peduncles of kok-saghyz remains from various causes, but one of the most important is demolization of the celathides. The hypothesis is supported by the author that spores of a fungus fall onto the celathides of the kok-saghyz, where the conditions are very favorable for its development. ... the fungus finds itself in the cells of growth and causing the peduncle to wither.

ZUKOVA, V.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Geological Survey National Enterprise (Geologicky pruzkum, narod-
             ni podnik), Pribram

Source: Prague, Vestnik Ustredniho Ustavu Geologickeho, Vol XXXVI, No 5,
           June 1961, pp 335-342.

Data: "Stratigraphic Division of the Metamorphic Complex of the Middle
           Part of the Krusne hory Mountains (Erzgebirge)."

  Authors: DISTLANOV, E.
           PATKOVA, J.
           ZUKOVA, V.

ZUKOVIC, M.

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: /not given./

Affiliation: Institute for Infectious and Invasion Diseases, Department
Xxxxxxx   of Parasitology and Invasion Diseases of the Faculty of
Veterinary Medicine of the University of Zagreb (Institut
za zarazne i invazione bolesti, odjel za parazitologiju i
Xxxxx   invazione bolesti Veterinarskog fakulteta sveucilista u
Zagrebu), Zagreb

Source: Belgrade, Veterinarski glasnik, No 9, 1961, pp 767-769.
Data: "Epizootic Sarcoptic Mange in Cattle on a Large Agricultural
Enterprise."

Authors:

DREZANCIC, I.
WIKERHAUSER, T.
ZUKOVIC, M.
MIKLAUSIC, B.

ZUKOVIC, Marijan, Dr.

      Parasites in Cavia cobaya. Rad Jugosl. akad. znan., odjel
med. 3:197-205 1953.

1. Iz Zavoda za parasitologiju Veterinarskog fakulteta.
Sveucilista u Zagrebu. Predstojnik u. s. prof. Davor Mikacic.
     (GUINEA PIGS, diseases,
        parasitic dis. (Ser))
     (PARASITIC DISEASES,
        in guinea pig (Ser))

ZUKOVIC, M.

"Morphology & biology of the Stages of Hypoderma bovis & Hypoderma lineatum under the skin." Inst. for Parasitology, Vet. Fac., U. of Zagreb.

Vet. Archiv. 22 : 194-202, 1952

Determination of the Elastic Properties of Spring Materials. N. I. Kulagin. (Ravinskaya Laboratoriya.) Hulavka Lab., 1951, vol. 6, Jan., pp. 41-45. (In Czech). A simple method device for determining the maximum elastic bending deflection of a specimen is described. The device is applicable for applying loads of 0.05 to 10 kg. and measuring deflections between 0.1 and 100 mm. Essentially, the deflection of a specimen supported on two points is measured as a function of the load, and the maximum elastic deformation is the point where load-deflection curve ceases to be a straight line. Examples of test results are given.— R. O.

METALLURGICAL LITERATURE CLASSIFICATION

Darwinism in a distorting mirror. P. M. Zhukovskii (Selekcija i Semenovodstvo, 1946, No. 1-2, 71-9; Hort. Abs., 1947, 17, 60). — This article is in reply to a communication by T. D. Lysenko on natural selection and competition within the species. Lysenko illustrated his arguments by referring to an experiment in which competition among kok-saghyz plants was studied. The plants were grown singly and in groups of two and more, and the weights of the roots were recorded in tables. The author disagrees with Lysenko's argument that, when in groups, the plants are mutually beneficial, pointing out that they are in competition with one another and that the total weight of a given number of roots from a group is much less than the total weight of the same number of roots grown singly.

ZALEWSKI, Jozef; ZUKOWSKA, Halina

Acute mediastinal pleurisy treated surgically: case report. Gruz-
lica 28 no.2:141-144 F '60.

1. Z II Kliniki Chirurgicznej. Kierownik: prof.dr med. T. Jankowski
i z Kliniki Gruzlicy Pluc.A.M. w Bialymstoku. Kierownik: dr med.
W. Pregowski.
                (PLEURISY surg.)

PREGOWSKI, Wladyslaw; ZUKOWSKA, Halina; SZYMSKA, Eugenia

Inaccuracies in the estimation of antibacterial drugs in the blood serum with the aid of the vertical diffusion method. Gruzlica 29 no.3:259-264. Mr '61.

1. Z Kliniki Gruzlicy Pluc AM w Bialymstoku Kierownik: doc. dr med. W. Pregowski.

(ANTITUBERCULAR AGENTS blood)

ZUKOWSKA, M.

A conference on problems concerning the preservation of textile
and leather vestiges. Kwart hist kult mater 12 no.4:792-795 '64.

NESTERENKO, M.Z.; ZDANOW, W.M.; ZUKOWSKI, A.M.; Tlum: dr.med, ADONAJLO, A.

Studies on the epidemiology of influenza A2. Przegl. epidem. 15 no.3:265-278 '61.

1. Instytut Wirosologii im. D.J.Iwanowskiego ANM ZSRR, Moskwa.
(INFLUENZA ASIAN epidemiol)

Z. Kowski, E

POLAND / Chemical Technology. Chemical Products and Their H
Application. Pesticides.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32580.

Author : Eckstein, Z., Zukowski, E.
Inst   : Not given.
Title   : Fungicide Properties of Certain Benzoxazolone
          Derivatives.

Orig Pub: Przem. chem.,1958,37, No 6, 418-421.

Abstract: Methods for obtaining benzoxazolone (I) and some
          of its derivatives are described, and their fung-
          icide properties investigated. 100 g. of sali-
          cylhydroxamic acid are heated in 200 ml. of
          HCONH$_2$ to 90°; during the exothermic reaction
          the temperature is maintained at less than or
          equal to 115°, then heated to 130°; after cool-
          ing, I is separated (yield, 58%; melting point,

Card 1/6

POLAND / Chemical Technology. Chemical Products and Their H
        Application. Pesticides.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32580.

Abstract: 139-141°). Similarly, 5,7-dibromobenzoxazolone
          (yield, 40%; melting point, 250-252°) is obtained
          from 3,5-dibromosalicylhydroxamic acid. I is
          obtained also by the action of 275 g. of $ClCOOC_2H_5$
          on a solution of 222 g. of o-aminophenol in 200
          ml. of 30% NaOH with a subsequent treatment of
          concentrated NH_3 and 10% HCl (acid) (yield, 37%
          melting point, 230-233°/30 mm., melting point,
          140-141°). Nitration of I with HNO_3 (d 1.42) at
          40-50° produces 6-nitro-I (II) (yield, 75%; melt-
          ing point, 241-242°) (from alcohol). At the re-
          duction of 60 g. of II by 90 g. of Zn in 300 ml.
          of HCl (acid), the hydrochloride of 6-amino-I
          (the base - III) (yield, 75%) is separated at 60°
          in 5 hours. 5 g. of III, heated with 4 g. of ni-

Card 2/6

235

POLAND / Chemical Technology. Chemical Products and   H
         Their Application. Posticides.

Abs Jour: Rof Zhur-Khimiya, No 9, 1959, 32380.

Abstract: trourea in 100 ml. of water at 60-65° and later
          at 75-80°, are transferred into 5.7 g. of 6-
          carbamino-I (starts molting at 350°). 36 g. of
          the hydrochloride of III in 40 ml. of HCl (acid)
          are diazotized at a temperature range from —5°
          to 0° by 14 g. of NaNO₂ in 20 ml. of water and
          lator on, with the addition of 60 ml. of 30%
          HBF₄, boron fluorate of benoxazolyl-6-diazonium
          (IV) is obtained (yield, 71%; molting point,
          158-160°) (with decomposition). IV, by the ac-
          tion of boiling alcohol in the presence of Cu,
          is converted into I (yield, 63%). 6-fluorino-
          I (yield, 30%; molting point 185-186°). 1 g.
          of III is converted, according to Sandaoyer into
          0.7 of 6-chlorino-I (V) (molting point 189-190°

Card 3/6

236

POLAND / Chemical Technology. Chemical Products and   H
Their Application. Pesticides.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32580.

Abstract: precipitate is filtered off and 30 mg. of CH_3COOH
are acetylized and, after the usual treatment,
3-acetyl-5-cyanogen-I (VII) (yield, 12.5%; melt-
ing point 160-161° - from 50% alcohol) are ob-
tained. 2.5 g. of VII, after treatment with an
aqueous solution of $NaHCO_3$ at 50°, yield 0.75 g.
of 6-cyanogen-I (melting point, 222-223°) (from
water alcohol). 6-fluorino-3-acetyl-I (yield,
90%, melting point, 137-138°), 6-bromino (yield,
95%; melting point, 153-154°) and 6-iodine an-
alogues (yield, 95%; melting point, 187-188.5°)
are obtained, according to the method described
previously (RZhKhim, 1956, 46999). The tests of
the fungicide properties indicated that V and VI

Card 5/6

POLAND / Chemical Technology. Chemical Products and   H
Their Application. Pesticides.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32580.

Abstract: are the most active, inhibiting the growth of
Fusarium culmorum in a concentration of 0.05%,
and Alternaria tenuis and Rhizoctonia solani
in a concentration of 0.01%. -- A. Grapov.

Card 6/6   237

DOMANSKA, Halena; ECKSTEIN, Zygmunt; EJMOCKI, Zdzislaw; MAJEWSKI, Krzysztof; ZUKOWSKI, Edward

Possibilities of utilizing 2,5-dichlorophenol in the synthesis of plant protection agents; experiments in applying 2,5-dichlorophenoxyacetic acid as a herbicide. Postepy nauk roln 9 no.3:59-76 My-Je '62.

1. Katedra Technologii Organicznej II, Politechnika, Warszawa, i Zaklad Ogolnej Uprawy Roli i Roslin, Szkola Glowna Gospodarstawa Wiejskiego, Warszawa.

BOKSTEIN, Zygmunt; EJMOCKI, Zdzislaw; POTOCKI, Jan; SOBOTKA, Wieslaw;
ZUKOWSKI, Edward

Obtaining of 3,4-dye-substituted phenoxyalkanocarboxylic acids.
Przem chem 39 no.5:275-279 My '60.

1. Katedra Technologii Organicznej II, Politechnika, Warszawa

ZUKOWSKI, Jerzy

More light. Horyz techn 16 no.2:18-20 '63.

ZUKOWSKI, Jerzy

Semiconductors as seen from a close distance; interview with
Prof. Leonard Sosnowski, Head of the Institute of Physics of the
Polish Academy of Sciences. Problemy 19 no.1:17-20 '63.

TYKOCINSKI, J.

On the icy slope of Kozia Przełęcz Krynia. p.15.
TURYSTA. (Polskie Towarzystwo Turystyczno-Krajoznawcze) Warszawa.
No. 3, Mar. 1956

So. East European Accessions List Vol. 5, No. 9   September, 1956

ZUKOWSKI, K.

Cost analysis in the technical production phase of the stocking enter-
prise. (To be contd.) P. 72
Knitting machines manufactured in the German Democratic Republic. P. 74
ODZIEZ. (Centraine Zarzady Przemyslu Dziewiarskiego, Odziezowego
i Ponczoszniczego) Lodz.
Vol. 7, no. 3, Mar. 1956

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

ZUKOWSKI, K.

    Cost analysis in the technical production phase of the stocking
    enterprise. (Conclusion) p. 100

ODZIEZ   vol. 7, no. 4, Apr. 1956

Poland

SO.   EAST EUROPEAN ACCESSIONS LIST   vol. 5, no. 10   Oct. 1956

ZUKCWSKI, K.

ZUKCWSKI, K. Changes of the assortment in production and the prime costs.
p. 296. Vol. 7, no. 11, Nov. 1956. ODZIEZ. Lodz, Poland.

KOSLOWSKI, Slawomir; ZUKOWSKI, Kazimierz

Studies on parasitic Gamasidae (parasitiformes Mesostigmata) in the
Bialowieza National Park during 1955-1956 1958. Wiadomosci parazyt.,
Warsz. 4 no.5-6:731-733 1958.

1. Z Zakladu Parazytologii PZH w Warszawie.
        (MITES,
                Gamasidae, distribution in Poland (Pol))

ZUKOWSKI, Kazimierz

Zoometric and statistical studies on taxonomy of the genus Laelaps
C. L. Koch, 1836. Wiadomosci parazyt., Warsz. 4 no.5-6:735-736; Engl.
transl. 736-737 1958.

1. Z Zakladu Parazytologii PZH w Warszawie.
        (MITES,
                Laelaps, taxonomy (Pol))

ZUKOWSKI, Kazimierz

Embryonal and postembryonal development of species of the genus Laelaps
C. L. Koch, 1836 appearing in the Bialowiesn National Park. Wiadomosci
parazyt., Warsz. 4 no.5-6:739-740; Engl. transl. 740-741 1958.

1. Z Zakladu Parazytologii PZH w Warszawie.
        (MITES,
                Laelaps, embryonic & postembryonic develop. (Pol))

ZUKOWSKI, Kazimierz

      Preliminary studies on specificity of species of Eugamasus oudemansi
Berlese, 1903. Wiadomosci parazyt., Warsz. 4 no.5-6:743; Engl. transl.
744 1958.

1..Z Zakladu Parazytologii PZH w Warszawie.
      (MITES,
            Eugamasus oudemansi, specificity (Pol))

ZUKOWSKI, Kazimierz

A contribution to the embryologic development of Ornithonyssus bacoti (Hirst, 1913). Wiad. parazyt. 10 no.4:592-593 '64

1. Zaklad Parazytologii Lekarskiej Panstwoego Zakladu Higieny, Warszawa.

ZUKOWSKI, Kazimierz; DICKOWIEC, Jozef

Remarks on breeding practices in crossing foreign breeds with
Polish red cattle. Postepy nauk roln 11 no.5:105-111 S-O '64.

1. M. Czaja Experiment Station, Grodzieo Sl., of the Zootechnic
Institute.

ZUKOWSKI, R.

Problems of decay and extinciton of the butterfly Parnassius apollo L. in Polish territory.

SYLWAN. (Wydzial Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland. Vol. 103, no. 6/7, June/July 1959.

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

Uncl.