

S/OB1/63/000/001/042/061
B144/B186

Anhydrides of organophosphorus ...

the course of 15 min to 0.25 mole ground IV in 100 ml C_6H_6 at $40-50^\circ C$; after 30 min ($40-50^\circ C$) 0.25 mole of $R'OH$ is gradually added to cool the mixture to $20^\circ C$, the mixture is stirred for 1 hr at $40-50^\circ C$ and cooled, then 0.25 mole NaOH in 75 ml water is added dropwise, and I is extracted with benzene (R, R', yield in %, b.p. in $^\circ C/mm$ and n_D^{20} are given):

C_2H_5 , C_4H_9 (Ia), 57, 102-102.5/19, 1.4163; C_2H_5 , iso- C_3H_7 , 31, 40-41/1, 1.4091; C_2H_5 , $C_6H_5CH_2$, 51, 85-86/0.03, 1.4920; C_2H_5 , $CH_2=CHCH_2$, 49, 55-56/1.5, 1.4279; C_2H_5 , C_3H_7 , 51, 51-52/1, 1.4137; C_2H_5 , cyclo- C_6H_{11} (Ib), 49, 52-53/0.005, 1.4472; C_2H_5 , tert- C_4H_9 , 42, 28-29/0.03 (unstable even at $20^\circ C$), 1.4149; iso- C_3H_7 , C_4H_9 , 61, 35-35.5/0.02, 1.4164; iso- C_3H_7 , $CH_2=CHCH_2$, 44, 36-37/0.04, 1.4274; C_4H_9 , cyclo- C_6H_{11} , 53, 72-73/0.01, 1.4522; C_4H_9 , $CH_2=CHCH_2$, 48, 48-49/0.02, 1.4332; C_3H_7 , C_4H_9 , 48.5, 39.5-40/0.005, 1.4199. 0.05 mole of II (R = C_2H_5) is mixed with 0.05 mole of C_4H_9OH at $20^\circ C$ and Ia is separated after 1 hr ($20^\circ C$), yield

Anhydrides of organophosphorus ...

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26.5%, b.p. 36-37°C/0.005 mm. 0.075 C_4H_9OH and 0.075 mole of 2,6-lutidine in 10 ml C_6H_6 are added to 0.075 mole of II ($R = C_2H_5$) in 10 ml C_6H_6 in the course of 5 min; after 1 hr (50°C) and 12 hrs (20°C) 10 ml water is added, which has been acidified with 2 drops of concentrated HCl; Ia is obtained from the benzene layer, yield 50.5%, b.p. 63-64°C/1 mm. Ib is obtained analogously with a yield of 52% from 0.075 mole of II ($R = C_2H_5$) and 0.075 mole of $C_6H_{11}OH$ in the presence of 0.075 mole of 2,6-lutidine in C_6H_6 . For communication II see RZhKhim, 1962, 18Zh264. [Abstracter's note: Complete translation.]

Card 3/3

ZWIERSAK, A.

Hydrolysis of dialkyl phosphorochloridates catalyzed by dimethylformamide. A new route to dialkyl hydrogen phosphates. Bul Chim PAN 11 no.6:333-335 '63.

1. Department of Organic Chemistry, Technical University, Lodz. Presented by J. Michalski.

S/081/63/000/002/056/088
B171/B102

AUTHORS: Michalski, Jan, Zwierzak, Andrzej
TITLE: Preparation of tetraalkyl pyrophosphates
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 405, abstract
2N45 (Polish patent 45271, Oct. 16, 1961)

TEXT: Tetraalkyl pyrophosphates represented by the formula $R_4P_2O_7$ (I), where R= alkyl, are prepared by a reaction of dialkyl phosphites R_2HPO_3 (II) with NOCl in the presence of HCl-fixing substances, such as pyridine (III) or without them. A solution of 1-1.5 mole of NOCl in C_6H_6 is added drop by drop at 20-35°C to a solution of 1 mole of II and 1 mole of III in ligroin or in C_6H_6 , vigorously stirred and periodically water-cooled. The hydrochloride of III is filtered out and the solvent is then eliminated by vacuum distillation. Very pure I is thus prepared with a yield of 80-90% in respect to II. I may be produced by the action of NOCl on II without the use of amine to fix HCl, but in that case the

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S/081/63/000/002/056/088
B171/B102

Preparation of tetraalkyl ...

yield and the quality of I deteriorate. A 0.275 mole solution of NOCl in 100 ml of C_6H_6 at 25-30°C is poured during 30 min into a solution of 0.25 mole of II (R= C_2H_5) and of 0.25 mole of III in 150 ml of ligroin. The hydrochloride of III is separated, the solvents eliminated by vacuum distillation and 30.2 g (83%) of I (R= C_2H_5) are obtained. This compound has a boiling point at 88-89°C/ 0.01 mm and $n_D^{25} = 1.4179$. In another case, a solution of 0.1 mole of NOCl in 50 ml of C_6H_6 at a temperature $\leq 25^\circ C$ is poured during 20 min into a stirred solution of 0.1 mole of unrefined II (R= $C_6H_5CH_2$) and of 0.1 mole of III in 100 ml of C_6H_6 . The hydrochloride of III is filtered out, C_6H_6 is eliminated in vacuo. The residue is washed with 50 ml of water and 50 ml of a dilute solution of NH_3 until pH=8. After several minutes the oil crystallizes. The product is filtered out, recrystallized and I [(R= $C_6H_5CH_2$), melting point 60-61.5°C] is obtained with a yield of 75%. (from benzene-cyclohexane)
[Abstracter's note: Complete translation.]

Card 2/2

POLAND/organic Chemistry - General and Theoretical Topics of
Organic Chemistry.

G-1

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46603

IVa is an indistillable oil; IVb, yield 32%, melting point 114 to 116°. IVa, if mixed with benzene-toluene and heated 1 hour, produces IV (R = H, X = COCN), melting point 111 to 113°. $(\text{CH}_3\text{C}_6\text{H}_4)_2\text{C}=\text{CHCOCN}$ (V) is formed of I and IV at 50 to 60°, yield 21%, melting point 89 to 91°; phenylhydrazone, melting point 165 to 167°. $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}=\text{CHCOCN}$ is produced of I and n-methoxystyrene, yield 40%, melting point 159 to 161°, phenylhydrazone, melting point 174 to 176°; $(\text{CH}_3\text{OC}_6\text{H}_4)=\text{CHCOCN}$ is produced of I and 1,1-di-n-methoxyphenylethylene, yield 58%, melting point 98 to 99°; phenylhydrazone, melting point 159 to 161°. The authors assume that the reaction of I with II and III proceeds through a transitional complex $[(\text{RC}_6\text{H}_4)_2\text{CCH}_2\text{C}(\text{CN})_2\text{OH}]^+\text{CH}_3\text{COO}^-$, which either

Card 2/3

ZWIERZCHOWSKA, Anna; MUSIEROWICZ, Andrzej

Apropos of the diagnosis and management of obturator hernia.
Pol. tyg. lek. 19 no.44:1696-1697 N 2'64

1. Z C ziału Chirurgicznego Szpitala Wojewodzkiego w War-
szawie (Ordynator: prof. dr. med. W. Rudowski).

ZWIERZCHOWSKA, Anna; KRZYSKOW, Roman

Acute fissural ulceration of the cardial part of esophagus and stomach (Mallory-Weiss syndrome) as a cause of profuse bleeding. Pol. tyg. lek. 20 no.32:1208-1209 9 Ag '65.

1. Z Oddziału Chirurgicznego Szpitala Wojewodzkiego w Warszawie (Ordynator: prof. dr. med. Witold Rudowski).

BARTKOWIAK, Edmund; ZWIERZCHOWSKA, Danuta

Aseptic necrosis of the femoral head in the treatment of congenital
hip dislocations. Chir.narz.ruchu ortop. polska 26 no.2:131-139
'61.

1. Ze Szpitala Ortopedyczno-Urazowego im. dr Z.Radlinskiego w
Lodzi Dyrektor: dr E.Bartkowiak.
(HIP fract & disloc) (FEMUR HEAD pathol)

BARTKOWIAK, Edmund; ZWIERZCHOWSKI, Henryk

On the problem of early surgical therapy of knee tuberculosis.
Chir.narz.ruchu ortop. polska 26 no.4:415-420 '61.

1. Ze Szpitala Ortopedyczno-Urazowego im. Dr. Z. Radlinskiego w Lodzi
Dyrektor: Dr. E. Bartkowiak.
(TUBERCULOSIS OSTEOARTICULAR surg) (KNEE surg)

RECHCINSKI, Jerzy; WOLSKA, Irena; ZWIERZCHOWSKI, Henryk

Remote results after surgical therapy of hallux valgus with
Dega's method. Chir.narz.ruchu ortop. polska 26 no.2:141-147
'61.

1. Ze Szpitala Ortopedyczno-Urazowego im. dr Z. Radlinskiego w
Lodzi Dyrektor: dr E.Bartkowiak.
(HALLUX surg)

ZWIERZCHOWSKI, Henryk

Studies of development of the apparently normal hip in cases with unilateral congenital dislocation of the hip. Chir. narzad. ruchu. ortop. Pol. 28 no.7:925-930 '63

1. Ze Szpitala Ortopedyczno-Urazowego im. dr. Z. Radlinskiego w Lodzi (Dyrektor: doc. dr. E. Bartkowiak).

ZWIERZCHOWSKI, Henryk

Late dislocation of the hip following untreated dysplasia.
Chir. narzad. ruchu ortop. Pol. 30 no.4:381-383 '65.

1. Z Kliniki Ortopedycznej AM w Lodzi i Szpitala Ortopedyczno-Urazowego im. dr. Z. Radlinskiego (Kierownik Kliniki i Dyrektor Szpitala: doc. dr. med. E. Bartkowiak).

POLAND

RAMISZ, A., and ZWIERZCHOMSKI, J. Wojewodztwo Veterinary Hygiene
Office (Woj. Zakład Higieny Weterinaryjnej), Krakow. Dr. A. Ramisz, Head;
Department of Epizootiology, Higher School of Agriculture (Katedra Epizootjo-
logii WSR), Wroclaw. Prof. Dr. T. Sobiech, Head.

"The Course and Treatment of *Toxocara canis* in Young Arctic Foxes (*Alopex lagopus*) under Fox-Farm Conditions"

Lublin, Medycyna Weterinaryjna, Vol 22, No 4, 1966, pp 204-208.

Abstract: The paper describes a study of invasion of *T. canis*. Three stages have been distinguished in the course of the disease, and the symptoms and duration of each are described. Early worming was used therapeutically without adverse effects. The absence of eggs in the feces does not rule out the presence of the disease.

Contains a summary in English, 3 Tables and 14 references (1 Polish, 7 Western, 4 Russian and 2 German-language).

POLAND / Diseases of Farm Animals. Toxicoses.

R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35883.

Author : Kaszubkiewicz, Gzeslaw; Wartenberg, Lech;
Zwierszchowski, Jan.

Inst : Not given.

Title : Poisoning of Silver Foxes with Rancid Cod-
Liver Oil.

Orig Pub: Med. Weteryn., 1957, 13, No 4, 228-233.

Abstract: A case of mass poisoning of foxes is described. For a month and a half the foxes received rancid cod-liver oil (2 ml. each). Nineteen of 272 foxes died and 12 recovered. Refusal of food, discharge from the nose and eyes, diarrhea, shedding of the fur, and lowering of body

Card 1/2

LIPANOWICZ, J.; ZWIERZCHOWSKI, J. (Wroclaw)

The level of leptospire antibodies in cattle serums and the presence
of the bacillus in the organs; preliminary report. Rocznik nauki roln
wet 70 no.1/4:225-226 '60. (EEAI 10:9)

(Leptospirosis) (Antigens and antibodies)
(Cattle) (Serum) (Bacillus)

ZWIERZCHOWSKI, J. (Wroclaw)

Aujeszky's disease in silver foxes and minks. Roczn. nauk roln. wet 70
no. 1/4:245 '60. (EEAI 10:9)

(Silver fox) (Minks) (Aujeszky's disease)

ZWIERZCHOWSKI, J. (Wroclaw)

Enzootic rabies on silver fox farms. Rocznik nauki wet 70 no.1/4:
244-245 '60. (EEAI 10:9)

(Silver fox) (Hydrophobia)

POLAND

ORLOWSKI, Witold J., ZWIERZCHOWSKI, Ryszard, and STEPNIAK, Roman; Division of Ophthalmology (Oddzial Okulistyczny) (Ordynator: Docent, Dr. med. W. J. ORLOWSKI), Division of Laryngology (Oddzial Laryngologiczny) (Ordynator: Dr. R. ZWIERZCHOWSKI), and Division of Dermatology (Oddzial Dermatologiczny) (Ordynator: Dr. M. ZAJFEN) [Institution not given] in Warsaw

"Asher Syndrome. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 27 May 63, pp 795-797

Abstract: [Authors' English summary] Authors describe a case (28th in world literature and 2nd in Poland) of Asher syndrome with blepharochalasis of the Fuchs type, double lip, and struma without any signs of Basedov's disease. They are of the opinion that surgical treatment of the lip may be effective if performed after puberty, but that surgical treatment of the eyelids may be only of transient cosmetic effect because of the progressive atrophy of the skin. There are 25 references, one Polish, 9 German, and 15 Western.

1/1

ZWIERZCHOWSKA, W.

SCIENCE

Periodical: GAZETA OBSERWATORA. P.I.H.M. Vol. 11, no. 8, Aug. 1958.

ZWIERZCHOWSKA, W. The range and structure of the tropopause in the light
of new Soviet investigations. p. 7.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 3, May 1959
UNCLASS.

POLAND / Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35844.

Author : Zwierz, J. ~~Zwierzchowski, J.~~
Inst : Not given.
Title : Combatting Epizootic Leptospirosis in Silver
Foxes with the Use of Sera, Vaccines and Anti-
biotics.

Orig Pub: Med. weteryn., 1957, 13, No 6, 321-325.

Abstract: No abstract.

Card 1/1

POLAND/Diseases of Farm Animals. Arachno-Entomoses.

B

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69515.

Author : Lipanowicz, Jerzy; Zwierzchowski, Jan.

Inst :

Title : Mange of Polar Foxes (*Alopex lagopus* L.). Treatment
With Hexachlorocyclohexane.

Orig Pub: Med. weteryn., 1957, 13, No 7, 394-398.

Abstract: The mange of polar foxes was observed on two fur farms. In the affected animals, the following symptoms were noticed: husky scaling of the skin of the back abdomen and lumbs, formation of crusts on the paws and tail, ruffled condition of the hair, and severe itching. The hair was not shed. The examination of scrappings revealed the presence of *Sarcoptes scabiei*. The treatment of affected animals by

Card : 1/2

ZWIERSKOWSKI, Włodzimierz

Absorption of surface active substances at an air-water interphase.
Chemia stosow A 9 no.1:91-110 '65.

I. Department of Technology of Fats of Gdansk Technical University.
Submitted November 16, 1963.

ORLOWSKI, Witold J.; ZWIERZCHOWSKI, Ryszard; STEPNIAK, Roman

A case of Ascher's syndrome. Pol. tyg. lek. 18 no.22:795-797
27 My '63.

1. Z Oddziału Okulistycznego; ordynator: doc. dr med. W.J.
Orlowski, z Oddziału Laryngologicznego; ordynator: dr R.
Zwierzchowski i z Oddziału Dermatologicznego w Warszawie;
ordynator: dr M. Zajfen.

(EYELIDS) (GOITER) (LIPS) (DISEASES)

ZWIERZCHOWSKI, St.

Splendors and miseries of inventiveness; rules and practice.
Przeł techn 85 no. 43:9 25 0 '64.

ZWIERSCHOWSKI, St.

New design of slotting mills. Mechanik 36 no.1.38 '63.

1. Przewodniczacy Klubu Techniki i Racjonalizacji, Zaklady Przemyslowe Henryk Cegielski, Poznan.

ZWIERSCHOWSKI, S.

A new way of fastening screw thread cutters. p. 238.
(MECHANIK. Poland. Vol. 29, no. 6, June 1956.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

ZWIERZYNSKI, Tadeusz; KURYLICIO, Lucjan

A syndrome of abnormalities in a 7-month-old human fetus.
Folia morph. (Warsz.) 24 no.3:311-316 '65.

1. Z Zakładu Anatomii Prawidłowej Szlowieka AM w Lublinie
(Kierownik: prof. dr. M. Stelmasiak).

ZWIERZCHOWSKI, Z.

Chloraminometric determination of the sodium, potassium and
dicalcium salts of p-aminosalicylic acid. Acta pol. pharm.
20 no.5:383-385 '63.

1. Z Zakładu Chemii Farmaceutycznej Akademii Medycznej w
Lodzi; kierownik: prof.dr.K.Kalinowski.

*

COUNTRY : POLAND
CATEGORY : Chemical Technology. Chemical Products and Their Application. Pharmaceuticals. Vitamins. Antibio*
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61850
AUTHOR : Kalinowski, K.; Zwierzchowski, Z.
INSTITUTE : -
TITLE : Microdetermination of Novocaine and of n-Aminobenzoic Acid by Coulombometrical Method with the Pre-**
ORIG. PUB. : Acta polon. pharmac., 1958, 15, No 3, 175-178

ABSTRACT : 80-150 mg of a substance are dissolved in 1000 ml water. 10 ml of solution are tested coulombometrically (electrolyte - 10% KBr solution in a mixture with 15% solution of H₂SO₄). An average error in the determination of novocaine (I) is $\pm 1\%$, of n-aminobenzoic acid (II) is $\pm 1.2\%$. A method of separation of I and II by electrophoresis on paper at pH of 5.0-9.0 is developed. An average error of a single determination: for
*tics.
**liminary Separation by Electrophoresis

Card: 1/2

H

CATEGORY :
CATEGORY :

ABS. JOUR. : RZhKhim., No 17, 1959, No. 61850

AUTHOR :

INSTITUTE :

TITLE :

ORIG. PUB. :

ABSTRACT : I is $\pm 3\%$, for II is $\pm 6\%$. -- Ya. Shteynberg.

Card: 2/2

H - 73

KALINOWSKI, Kazimierz; ZWIERZCHOWSKI, Zbigniew

Chlorocoulometric microdetermination of the sodium, potassium and dicalcium salts of p-aminosalicylic acid. Acta pol. pharm. 20 no.4:303-308 '63.

1. Z Zakladu Chemii Farmaceutycznej Akademii Medycznej w Lodzi Kierownik: prof. dr K. Kalinowski.

(AMINOSALICYLIC ACID) (CHEMISTRY, ANALYTICAL)
(SODIUM) (POTASSIUM) (CALCIUM)
(MICROCHEMISTRY)

CA

Zirconium deposits in western Pomorze (Poland).
Jozef Zuberzcki (Univ., Wroclaw, Poland). *Hutnik* 14,
127-2 (1947).--Classification of the Baltic black sands of
western Pomorze gave the following particle size distribu-
tion: 0.2% of the grains 0.5-2.0 mm., 60.0% 0.2-0.5,
and 40.8% 0.0-0.2 mm. Mineralogical analysis shows
that the fraction with grains larger than 0.2 mm. con-
tained magnetite 8.4, ilmenite 5.4, rutile and nigrine
1.01, and zircon 0.12%. The fraction with grains smaller
than 0.2 mm.: magnetite 5.0, ilmenite 10.3, rutile and
nigrine 2.75, and zircon 1.44%. A review of world sources
of supply and uses of the various components of black sand
is included. Frank Conet

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

SECTION	GROUP	CLASSIFICATION	INDEX
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NIEWIADOMSKI, Henryk; ZWIERZYKOWSKI, Wlodzimierz; PLOSZYNSKI, Michal

A new conductometric method for titration of surface agents such as alkyl arylosulfonates, alkyl sulfonates and alkyl sulfates with the p-toluidine hydrochloride. Chem anal 4 no.5/6:995-997 '59.
(EEAI 9:9)

1. Katedra Technologii Tluszczow Politechniki Gdanskiej
(Conductometric analysis) (Surface-active substances)
(Alkyl groups) (Aryl groups) (Toluidine)
(Hydrochlorides) (Sulfonates) (Sulfates)

MEDREA, O.; ZWILLINGER, E.; ROGOZ, I.

Restoration of opposition movement in the paralysed thumb. Rumanian
M. Rev. 3 no.1:61-65 Jan-Mar 59.
(THUMB, paralysis
surg. restoration of opposition movement)

WACHON, Zdzislaw; ZWOLINSKI, Jerzy

Possibilities of treatment of tuberculosis of the lungs with aerosols.
Gruzlica 25 no.8:649-654 Aug 57.

1. Z Kliniki Grzulicy A.M. we Wroclawiu Kierownik: doc. T. Garbinski
i z Zakladu Technologii Srodkow Leczniczych A.M. we Wroclawiu
Kierownik: prof. L. Kuczynski.

(TUBERCULOSIS, PULMONARY, ther.
isoniazid, aerosol admin. (Pol))
(ISONIAZID, ther. use
tuberc., pulm., aerosol admin. (Pol))

TO: [Illegible]

FROM: [Illegible]

SUBJECT: [Illegible]

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

ZIGANOW, Zbigniew, mgr ins.; ZYAK, Adam, mgr ins.

Studies on increased reversibility of axial mine fans. Glow inst
gorn prace no. 352/360:237-238 '64.

1. Central Mining Institute, Katowice.

Anesthesia in traumatic surgery with special reference to
anesthesia in transtrochanteric and neck fractures of the
femur. Chir.narz.ruchu ortop.polska 25 no.6:561- 567 '60.

1. Z Miejskiego Szpitala Chirurgii Urazowej w Warszawie.
Dyrektor: dr Z. Deka.

(FEMUR NECK fract & disloc)
(FEMUR fract & disloc)
(BARBITURATES anesth & analg)
(MEPERIDINE anesth & analg)

ZWIERZCHOWSKI, S.

Is inventiveness profitable? Przegl techn 85 no.3:10 19 Ja
'64.

KALINOWSKI, Kazimierz; ZWIERZCHOWSKI, Zbigniew

Coulometric microdetermination of a mixture of isoniazid and the sodium salt of p-aminosalicylic acid with the aid of 2 haloids. Acta pol. pharm. 20 no.4:309-313 '63.

1. Z Zakładu Chemii Farmaceutycznej Akademii Medycznej w Łodzi

Kierownik: prof. dr K. Kalinowski.

(AMINOSALICYLIC ACID) (ISONIAZID)

(CHEMISTRY, ANALYTICAL) (CHLORINE)

(BROMINE) (INDICATORS AND REAGENTS)

(MICROCHEMISTRY)

OWIENSKI, Zbigniew, doc., dipl. ing. (Poland)

Ergometric evaluation of mining machinery. Ipari energia
5 no.3:65 M '64.

ZWIERZYCKI, Z.

Calculating the compactness of tubes for compressed air. Biuletyn. p. 9.
(PRZEGLAD GORNICZY, Vol. 10, No. 6, June 1954, Stalinogrod, Poland)

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

"Problem of Standardization in Civil and Sport Aviation," P. 204. (WIADOMOSCI,
Vol. 22, No. 4, Apr. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

ZWINGER, A.; VOJTA, M.

Surface plastic surgery of the cervix uteri in the diagnosis
and therapy of precancerous conditions. Cesk. gynek. 29
no. 5:373-377 Je '64.

1. Ustav pro peci o matku a dits v Praze; reditel: doc. dr.
M.Vojta.

ZWINGEL, A., (Praha-Podolí), nábř. K. Marxe 157); VRANA, J.

A high frequency method for the determination of the tissue impedance of the cervix of the uterus. Česk. gynek. 44 no.3: 185-191 Ap'65.

1. Ustav pro peči o matku a dítě v Praze (zat. reditel: doc. dr. J. Horský, DrSc) a Vyzkumny ustav socialního zabezpečení v Praze (reditel: dr. L. Brejla).

VOJTA, M., doc.; POSPISIL, J.; ZWINGER, A.

Current status of the diagnosis and therapy of precancer of the cervix
uteri. Cesk. gynec. 27 no.3:210-216 Ap '62.

1. Ustav pro peci o matku a dite, Praha-Podoli, reditel doc. MUDr.
M. Vojta.

(CERVIX NEOPLASMS)

ZWINGER, A.; SVORC, J.

Remarks on cytological specimens in precancerous conditions of
the cervix uteri. Cesk. gynek. 29 no.1:67-69 F'66.

1. Ustav pro peci o matku a dite v Praze (reditel: doc.dr.
M.Vojta) a Gyn.-por. klin UDL v Praze (prednosta: doc.dr.
A. Cernoch).

*

ZWINGER, Antonin

Conservative treatment of placentapraevia. Cesk.gyn. 25[39] no.7:
533-541 S '60.

1. Ustav pro peci o matku a dite v Praze - Podoli, reditaldoc.
dr. M.Vojta, zaslouzily lekar CSSR
(PLACENTA PRAEVIA ther.)

ZWINGER, Antonin

Certain problems of diathermocoagulation of the cervix uteri. Cesk.
gyn. 24[38] no.7:559-563 S '59.

1. Por. gyn. odd. nemocnice Varnsdorf, prednosta dr. A. Zwinger.
(CERVIX UTERI neopl.)
(ELECTROCOAGULATION)

ZWINIS, M.

"Participation of the furniture workshop of the Institute of Industrial Design in industrial designing of furniture." p. 34. (PRZEMISL DRZEWNY Vol. 6, No. 1, Jan. 1955. Warszawa, Poland)

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Spinal cord lesions in achondroplasia. Chir. narz. ruchu ortop.
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1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof.
dr A. Gruca.

(ACHONDROPLASIA compl) (SPINAL CORD dis)

BRZEZINSKI, Mieczyslaw; ZWINOGRODZKI, Jozef

Statistical analysis of accidents according to material from
the Orthopedic Clinic of the Academy of Medicine in Warsaw.
Chir. narzad. ruchu ortop. pol. 28 no.3:343-352 '63.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof.
dr A. Gruca.

(ACCIDENTS) (STATISTICS)

ZWINOGRODZKI, Jozef

Theoretical calculation of the force of springs used in alloplasty.
Chir. narzad. ruchu ortop. pol. 27 no.4:531-535 162.

l. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof. dr A.Gruca
Konsultacja mechaniczna: prof. dr inz. T. Jakubowski Z Katedry Analizy
Czesci Wymiennych Politechniki Warszawskiej.
(SCOLIOSIS) (ORTHOPEDIC EQUIPMENT)

ZWINOGRODZKI, Jozef

Theoretical calculation of the length of the kyphotic curvature in alloplasty. Chir. narzad. ruchu ortop. pol. 27 no.5:657-660 '62.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof. dr A.Gruca.
(SCOLIOSIS)

PTA

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„Badanie kalcrymetryczne gazu ziemnego”. Nafta, No. 5, 1951, pp.
133—137, No. 6, 1951, pp. 163—168, No. 7—8, 1951, pp. 195— 190, 11
figs., 2 tabs.

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A calorimetric study of natural gas. Stanislaw Ocho-
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C₂H₆ can be accurately detd. with the Junkers' calorimeter.
No unburnt constituents are found in the combustion gases.
The exptl. values are slightly higher than those calcd. from
the elementary analysis. Bruno C. Metzner

ZWL'DOVICH, Ya.B.

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star. Pis'. v rod. Zhur. ekaper. i teor. fiz. 1 no. 3:40-44 My 1965.
(MIRA 18:10)

PA 19731

USSR/Geology
Bottom Sediment
Apr 1947

"Bottom Deposits of the Aral Sea," V. P. Zimkovich,
20 pp

"Byull Moskoy Obsh Isp Pri, Nova Ser, Oktal Geol"
vol XIII, No. 4

Geographically describes the Aral Sea, and discusses
its geology. Describes various investigations of the
sea bottom deposits studied by author. Some 92
samples subjected to determination of carbonates,
microscopic analysis, and mechanical analysis of
silt. Relative rate of sedimentation in different
parts of the basin greatest in regions in front of
islands.

USSR/Geology (Contd)
49731

Apr 1947

The delta; maximum rate of sedimentation supposed in
the central part of the basin, where sediment pre-
dominantly chemical. Deposits in shallow water areas
are primarily to drying-out fauna and denudation of
shell deposits.

49731

ZWOLFNER, W.

Observation of forest pests and the struggle against them in Bavaria, In
German. p. 326.
(Sbornik Rada Lesnictvi, Vol. 30, no. 4, April 1957. Praha, Czechoslovakia)

SD: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

WOLINSKI, Konstanty

Experiments in determining the third dimension of mineral particles
measured in the electron microscope. Rozpr hydrotechn no. 15:
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ZMOLANOWSKI, T. Research on decreasing the combustibility of lumber by
using chemical means. p. 383. Vol. 27, no. 10, Oct. 1955.
FRZEGLAD BUSOVLANY. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) LC Vol. 5, no. 6 June 1956

POLAND

PARAFINSKA, Z. and ZWOLINSKA, Z. The Department of Applied Pharmacy,
Pharmaceutical Institute, Warsaw (Zaklad Farmacji Stosowanej Instytutu
Farmaceutycznego w Warszawie).

"Bacteriostatic and Bacteriocidal Agents Used in Pharmacy".

Warsaw, Farmacja Polaka, Vol 18, No 24, 30 Dec 62, pp 587-591.

Abstract: The authors review the nature and mode of action of bacteriostatic and bacteriocidal agents which are used as preservatives in injectable, ophthalmic, internal and external drug preparations. A table is given which lists twenty nine reagents of this type. Their concentration, toxicity, mode of action, application and suitable media are listed. Seventy references are cited. Three of the references are from the Soviet block.

1/1

Zwolinska, Z.

"The garden of Tatra Mountain plants in Zakopane. p.3. (Chronmy Przyrode
Ojczysta, Vol. 14, no. 3, May/June 1958, Krakow, Poland.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

Stabilization of vitamin C solutions in phials. Farmacja Pol
18 no.22:548-549 25 N '62.

1. Zaklad Farmacji Stosowanej, Instytut Farmaceutyczny, Warszawa.

ZWOLINSKA, Zofia; ZADUMINSKI, Marian[deceased]; WASILEWSKA, Irena;
KROWCZYNSKI, Leszek

Effect of the quality of the raw material and of the method
of preparation on the stability of aqueous solutions of
thiamine HCl for injections. Acta pol. pharm. 20 no.4:339-344
'63.

L. Z Zakladu Farmacji Stosowanej Instytutu Farmaceutycznego w
Warszawie Kierownik: doc. dr L. Krowczynski.
(THIAMINE) (CHEMISTRY, PHARMACEUTICAL)

PARAFINSKA, Zofia; ZWOLINSKA, Zofia

Stabilization of water solutions for injections of some phenothiazine derivatives. Farmacja Pol 18 no.23:571-573 10 D '62.

1. Zaklad Farmacji Stosowanej, Instytut Farmaceutyczny, Warszawa.

ZWOLINSKA, Zofia,; PARAFINSKA, Zofia

Antioxidizers and their use in pharmacy. *Pharmacja* pol 19
no. 13/14:271-274 25 J1 '63.

1. Department of Applied Pharmacy, Institute of Pharmacy,
Warsaw.

KANAFINSA, Zofia, Ingr
ZWOEINSKA, Zofia, Ingr
Bactericidal and bacteriostatic agents applied in pharmacy. Farmacja
Pol 18 no.24:587-591 30 D '62.

1. Zaklad Farmacji Stosowanej, Instytut Farmaceutyczny, Warszawa.

*

POLAND

ZWOLINSKA, Zofia and PARAFINSKA, Zofia; Department of Applied Pharmacy (Zakład Farmacji Stosowanej), Pharmaceutical Institute (Instytut Farmaceutyczny) [presumed in Warsaw]

"Antioxidants and their Application in Pharmacy."

Warsaw, Farmacja Polska, Vol 19, No 13-14, 25 Jul 63, pp 271-274

Abstract: The authors discuss the importance of preventing oxidation of pharmaceutical preparations and the means by which this can be accomplished. They then give a complete listing of antioxidants (stabilizers) and their specific uses in three main groupings: A. Natural antioxidants, B. Synthetic antioxidants, and C. Synergetic substances. There are no references listed, with a note that the list is available from the authors.

ZWOLINSKA, Z.

"Bears in the Tatra Mountains"; a motion-picture review.
No. 6, June 1 955. TURYSTA, Warszawa, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

ZWOLINSKA, Z.

Culture of excursionists. p. 18.
No. 10, Oct. 1955. TURYSTA. Warsaw, Poland

So: Eastern European Accession. Vol 5, no. 4, April 1956

ZUCI APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065720013-5
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"Old Lintens in the Koscieliska Valley," p. 35, (CURRENTLY EUROPEAN GEOGRAPHY, Vol. 9, no. 1,
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SC: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

KREGLEWSKI, Aleksander; ZWOLINSKI, Bruno J., Ph.D. (Pittsburgh, Penn.)

New methods of calculation of some physical properties of liquids based on the Antoine equation. I. II. n-paraffinic hydrocarbons and n-acyl compounds. *Rocz chemii* 35 no:4:1041-1074 '61.

1. Carnegie Institute of Technology, Pittsburgh, Pennsylvania (for Kreglewski) 2. Director, Manufacturing Chemists Association Research Project (for Zwolinski)

ZWOLINSKI, DEBAY

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720013-5
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Wartosc uzytkows krajowych koni prymitywnych. Poznan, Foznanskie Tow. Przyjaciol
Nauk, 1953. 57 p. (Poznanskie Towarzystwo Przyjaciol Nauk. Prace Komisji Nauk
Rolniczych i Lesnych, t. 2, zesz. 1) /The practical value of primitive Polish hor-
ses. English and Russian summaries. illus., bibl., tables/

East European Vol. 3, No. 3
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ZWOLINSKI, Jerzy

Certain factors influencing the pregnancy period in mares. Zeszyty
problemowe post nauk roln no.31:38-43 '61.

1. Katedra Szczegolowej Hodowli Zwierzat, Wyzsza Szkola Rolnicza,
Poznan. Kierownik: prof. dr. S. Alexandrowicz.

ZWOLINSKI, Jerzy; FRACKOWIAK, Janusz; SZEREMETA, Ewa

Length of life and causes of dying and culling farm horses in
the Poznan Province. Roczniki wyz szkola rol Poznan 17:271-288
'63.

1. Department of Specific Animal Breeding, College of Agriculture,
Poznan.

ALEXANDROWICZ, S., prof. dr; BILSKI, E.; MARUNIEWICZ, W.; ZWOLINSKI, J.

Absolute weight as indicating the leanness of the bacon pig carcass. Rocznik nauki rolniczo-zootechnicznej 84 no.1:1-9 '64.

1. Department of Specific Animal Breeding of the School of Agriculture, Poznan. Head: prof. Alexandrowicz.

POLAND

ZWOLINSKI, Jerzy, and STUDZINSKI, Stanislaw; Chair of Special Animal Breeding (Katedra Szczegolowej Hodowli Zwierzat,) Head (Kierownik) Prof Dr Stefan ALEXANDROWICZ; and Department of Horse Breeding (Zaklad Hodowli Koni,) Head docent Dr Jerzy ZWOLINSKI, Agricultural University (WSR,) Poznan.

"Time of Day at Which Foaling Occurs."

Lublin, Medycyna Weterynaryjna, Vol 21, No 10, Oct 65; pp 614-616.

Abstract [English summary modified]: Study to verify the truth of the old popular belief that mares always give birth to their foals during the most inconvenient time of the night - analysis of 1007 cases during a period of 9 months seems to confirm it: over 75% were born at night. This is attributed to neuropsychological influences, ability of pregnant mare to postpone onset of parturition until the stable is relatively quiet. Four Polish 1 German ref.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
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CIA-RDP86-00513R002065720013-5
CIA-RDP86-00513R002065720013-5"

"Horse breeding" by Witold Pruski, Jan Grabowski, Stanislaw
Schuch. VO. Reviewed by Jerzy Zwolinski. Postepy nauk
roln 11 no.4:151-158 J1-Ag '64.

YEREMIA, Danuta; SIEMSKI, Stanislaw; ZWOLINSKI, Jerzy

Lungs diffusion capacity (V_D) and carbon dioxide partial pressure (PCO₂) in arterial blood in chronic diseases of the lung. Pol. tyg. lek. 19 no. 37:1402-1403 S 14 '64.

1. Z Kliniki Gruźlicy Akademii Medycyny we Wrocławiu
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SOSNOWSKI, Karol; ZWOLINSKI, Jerzy

Tuberculosis of the mediastinal lymph nodes in adults. Pol.
tyg. lek. 19 no. 3731417-1419 3 14 '64

1. Z Kliniki Gruzlicy Akademii Medycznej we Wrocławiu
(p.o. Kierownika dr. med. Karol Sosnowski).

GARBINSKI, Tadeusz; NOWALANY, Juliusz; ZWOLINSKI, Jerzy

Effect of testicular hyaluronidase applied intrapleurally on development of antibodies in the treatment of chronic empyema. Gruzlica 24 no.9:933-938 Sept 56.

1. Z Kliniki Gruzlicy A.M. we Wroclawiu. Kierownik: doc. dr. med. T. Garbinski. Adres: Wroclaw, ul. Pasteura 10.
(TUBERCULOSIS, PULMONARY, compl.
pleural empyema, chronic, eff. of hyaluronidase in intrapleural admin. on develop. of antibodies)
- (HYALURONIDASE, ther. use
pleural empyema, chronic, intrapleural admin., eff. on develop. of antibodies)

The problem of smoke in cities. p. 211.

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i
Technikow Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland.
Vol. 33, no. 5, May 1959

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

KOSINSKI, Konrad; MISIAKIEWICZ, Zbigniew;
WISZYNSKA, Halina;

Pollution of the air of the city of Warsaw with easily
sedimenting dust particles. Roczn panstw zekl hig 14
no.4:317-322 '63.

1. Department of Public Hygiene, State Institute of
Hygiene, Warsaw.

ZWOLINSKI, Jerzy; WYSZYNSKA, Halina; MISIAKIEWICZ, Zbigniew;
KOSINSKI, Konrad

Influence of settlement boilerhouses of central heating
systems on the degree of pollution in the vicinity.
Roczn panstw zakl hig 15 no.1:85-90 '64.

1. Department of Communal Hygiene, State Institute of H
Hygiene, Warsaw. Head of Department: prof. dr J. Just.

ZWOLINSKI, Jerzy; WYSZYNSKA, Halina; MISTAKIEWICZ, Zbigniew; KOSINSKI,
Konrad.

Dust pollution of the atmospheric air along the main transportation highways in the city of Warsaw. Roczni panstw zakl hig 14 no.2:179-184 '63.

EMOLINSKI, Jerzy

Efficiency of the respiratory system following controlled effort with the aid of a bicycle ergometer. *Cruzlica* 31 no.6:579-581 Je'63.

1. Klinika Fizjologiczna AM, Wrocław.

*

GARBINSKI, Tadeusz; SOSNOWSKI, Karol; ZWOLINSKI, Jerzy, ORNOWSKI, Stanislaw

Chondro-osteoplastic tracheo-bronchopathy. Gruzlica 32 no.2:
159-161 F'64

1. Z Kliniki Gruzlicy AM we Wroclawiu (Kierownik: prof.dr.med.
T.Garbinski) i z Sanatorium MSW w Glucholazach (Dyrektor: dr.
med. S.Ornowski).

*

SOSNOWSKI, Karol; ZWOLINSKI, Jerzy

Difficulties in the differentiation of intrathoracic forms of malignant granuloma and lymphatic sarcoma. Polski tygod. lek. 16 no.40:1539-1541 2 0 '61.

1. Z Kliniki Gruzielcy Akademii Medycznej we Wroclawiu; kierownik: prof. dr med. Tadeusz Garbinski.

(THORAX neopl) (HODGKIN'S DISEASE diag)
(LYMPHOSARCOMA diag)

SOSNOWSKI, Karol; ZWOLINSKI, Jerzy

Co-existence of chronic spontaneous pneumothorax with Hecklinghausen's disease (neurofibromatosis). Polski tygod. lek. 15 no.23:875-877
6 J^o '60.

1. Z Kliniki Gruźlicy A.M. we Wrocławiu; kierownik: prof. dr med
Tadeusz Garbinski.

(PNEUMOTHORAX compl)

(NEUROFIBROMATOSIS compl)

GARBINSKI, Tadeusz; GASIOR, Stanislaw; POMIANOWSKA, Emilia; ZWOLINSKI, Jerzy

Effect of hyaluronidase on physical properties of aerosols.
Gruzlica 27 no.6:477-482 June 59.

1. Z Kliniki Gruzlicy A. M. we Wroclawiu Kierownik: prof. dr
T. Garbinski i z Zakladu Fizyki A. M. we Wroclawiu.
(HYALURONIDASE, pharmacol.) (ISONIAZID, pharmacol.)
(AEROSOLS, pharmacol.)

DOMANSKI, Peter; EWOSINSKI, Konstanty

Remarks concerning the preparation of microscopic samples
for the identification of clay minerals. Rozpr hydrotechn
no. 14: 133-147 '63.

ZWOLINSKI, Romuald, J., dr inż.

Theoretical foundations of calculating coplanar systems
of dimensional tolerance. Przegl mech 22 no.17:541, 544
10 8 '63.

1. Wydział Mechaniczny Technologiczny, Politechnika,
Warszawa.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720013-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720013-5"

"In the Caves of Jaskinia Zimna." P. 164,
(WIERCHY, Vol. 22, 1953, Krakow, Poland.)

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

POLAND/Chemical Technology. Chemical Products and Their
Application. Ceramics. Glass. Binding Materials.
Concrete.

H-13

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5409.

Author : Zwolinski, Stanislaw.

Inst :

Title : Concerning the Question of Elimination of Imported Raw
Materials from the Manufacture of Household Chinaware.

Orig Pub: Szklo i ceram., 1958, 9, No 5, 137-140.

Abstract: Several examples of gradual substitution of imported
kaolins and clays in masses for household chinaware
(C) at Polish factories with domestic clays of the
Polish People's Republic are cited. The complete eli-
mination of imported clays (with the exception of 1 - 2%
Chasov-Yar clay from USSR) from C masses caused a decrease

Card : 1/2

ZWOLINSKI, S., WOJCIK, Z.

Young tectonic displacements in Tatra caves. p,319

ACTA GEOLOGICA POLONICA. Warszawa, Poland. Vol. 9, no.2, 1959

Monthly List of East European Accessions Index (EEAI), IC. Vol. 8, No. 9, Sept. 1959
Uncl.

S/OB1/63/000/001/042/061
B144/B186

Anhydrides of organophosphorus ...

the course of 15 min to 0.25 mole ground IV in 100 ml C_6H_6 at $40-50^\circ C$;
after 30 min ($40-50^\circ C$) 0.25 mole of $R'OH$ is gradually added to cool the
mixture to $20^\circ C$, the mixture is stirred for 1 hr at $40-50^\circ C$ and cooled,
then 0.25 mole NaOH in 75 ml water is added dropwise, and I is extracted
with benzene (R, R', yield in %, b.p. in $^\circ C/mm$ and n_D^{20} are given):
 C_2H_5 , C_4H_9 (Ia), 57, 102-102.5/19, 1.4163; C_2H_5 , iso- C_3H_7 , 31, 40-41/1,
1.4091; C_2H_5 , $C_6H_5CH_2$, 51, 85-86/0.03, 1.4920; C_2H_5 , $CH_2=CHCH_2$, 49,
55-56/1.5, 1.4279; C_2H_5 , C_3H_7 , 51, 51-52/1, 1.4137; C_2H_5 , cyclo- C_6H_{11} (Ib), \checkmark
49, 52-53/0.005, 1.4472; C_2H_5 , tert- C_4H_9 , 42, 28-29/0.03 (unstable even at
 $20^\circ C$), 1.4149; iso- C_3H_7 , C_4H_9 , 61, 35-35.5/0.02, 1.4164; iso- C_3H_7 ,
 $CH_2=CHCH_2$, 44, 36-37/0.04, 1.4274; C_4H_9 , cyclo- C_6H_{11} , 53, 72-73/0.01,
1.4522; C_4H_9 , $CH_2=CHCH_2$, 48, 48-49/0.02, 1.4332; C_3H_7 , C_4H_9 , 48.5,
39.5-40/0.005, 1.4199. 0.05 mole of II (R = C_2H_5) is mixed with
0.05 mole of C_4H_9OH at $20^\circ C$ and Ia is separated after 1 hr ($20^\circ C$), yield
Card 2/3

Anhydrides of organophosphorus ...

S/081/63/000/001/042/061
B144/B186

26.5%, b.p. 36-37°C/0.005 mm. 0.075 C_4H_9OH and 0.075 mole of 2,6-lutidine in 10 ml C_6H_6 are added to 0.075 mole of II ($R = C_2H_5$) in 10 ml C_6H_6 in the course of 5 min; after 1 hr (50°C) and 12 hrs (20°C) 10 ml water is added, which has been acidified with 2 drops of concentrated HCl; Ia is obtained from the benzene layer, yield 50.5%, b.p. 63-64°C/1 mm. Ib is obtained analogously with a yield of 52% from 0.075 mole of II ($R = C_2H_5$) and 0.075 mole of $C_6H_{11}OH$ in the presence of 0.075 mole of 2,6-lutidine in C_6H_6 . For communication II see RZhKhim, 1962, 18Zh264. [Abstracter's note: Complete translation.]

Card 3/3

ZWIERSAK, A.

Hydrolysis of dialkyl phosphorochloridates catalyzed by dimethylformamide. A new route to dialkyl hydrogen phosphates. *Bul Chim PAN* 11 no.6:333-335 '63.

1. Department of Organic Chemistry, Technical University, Lodz. Presented by J. Michalski.

S/081/63/000/002/056/088
B171/B102

AUTHORS: Michalski, Jan, Zwierzak, Andrzej
TITLE: Preparation of tetraalkyl pyrophosphates
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 405, abstract
2N45 (Polish patent 45271, Oct. 16, 1961)

TEXT: Tetraalkyl pyrophosphates represented by the formula $R_4P_2O_7$ (I), where R= alkyl, are prepared by a reaction of dialkyl phosphites R_2HPO_3 (II) with NOCl in the presence of HCl-fixing substances, such as pyridine (III) or without them. A solution of 1-1.5 mole of NOCl in C_6H_6 is added drop by drop at 20-35°C to a solution of 1 mole of II and 1 mole of III in ligroin or in C_6H_6 , vigorously stirred and periodically water-cooled. The hydrochloride of III is filtered out and the solvent is then eliminated by vacuum distillation. Very pure I is thus prepared with a yield of 80-90% in respect to II. I may be produced by the action of NOCl on II without the use of amine to fix HCl, but in that case the

Card 1/2

S/081/63/000/002/056/088
B171/B102

Preparation of tetraalkyl ...

yield and the quality of I deteriorate. A 0.275 mole solution of NOCl in 100 ml of C_6H_6 at 25-30°C is poured during 30 min into a solution of 0.25 mole of II ($R = C_2H_5$) and of 0.25 mole of III in 150 ml of ligroin. The hydrochloride of III is separated, the solvents eliminated by vacuum distillation and 30.2 g (83%) of I ($R = C_2H_5$) are obtained. This compound has a boiling point at 88-89°C/ 0.01 mm and $n_D^{25} = 1.4179$. In another case, a solution of 0.1 mole of NOCl in 50 ml of C_6H_6 at a temperature $\leq 25^\circ C$ is poured during 20 min into a stirred solution of 0.1 mole of unrefined II ($R = C_6H_5CH_2$) and of 0.1 mole of III in 100 ml of C_6H_6 . The hydrochloride of III is filtered out, C_6H_6 is eliminated in vacuo. The residue is washed with 50 ml of water and 50 ml of a dilute solution of NH_3 until pH=8. After several minutes the oil crystallizes. The product is filtered out, recrystallized and I [$(R = C_6H_5CH_2)_2$, melting point 60-61.5°C] is obtained with a yield of 75%. (from benzene-cyclohexane)
[Abstracter's note: Complete translation.]

Card 2/2

POLAND/organic Chemistry - General and Theoretical Topics of
Organic Chemistry.

G-1

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46603

IVa is an indistillable oil; IVb, yield 32%, melting point 114 to 116°. IVa, if mixed with benzene-toluene and heated 1 hour, produces IV (R = H, X = COCN), melting point 111 to 113°. $(\text{CH}_3\text{C}_6\text{H}_4)_2\text{C}=\text{CHCOCN}$ (V) is formed of I and IV at 50 to 60°, yield 21%, melting point 89 to 91°; phenylhydrazone, melting point 165 to 167°. $\text{CH}_3\text{OC}_6\text{H}_4\text{CH}=\text{CHCOCN}$ is produced of I and n-methoxystyrene, yield 40%, melting point 159 to 161°, phenylhydrazone, melting point 174 to 176°; $(\text{CH}_3\text{OC}_6\text{H}_4)=\text{CHCOCN}$ is produced of I and 1,1-di-n-methoxyphenylethylene, yield 58%, melting point 98 to 99°; phenylhydrazone, melting point 159 to 161°. The authors assume that the reaction of I with II and III proceeds through a transitional complex $[(\text{RC}_6\text{H}_4)_2\text{CCH}_2\text{C}(\text{CN})_2\text{OH}]^+\text{CH}_3\text{COO}^-$, which either

Card 2/3

ZWIERZCHOWSKA, Anna; MUSIEROWICZ, Andrzej

Apropos of the diagnosis and management of obturator hernia.
Pol. tyg. lek. 19 no.44:1696-1697 N 2'64

1. Z C ziału Chirurgicznego Szpitala Wojewodzkiego w War-
szawie (Ordynator: prof. dr. med. W. Rudowski).

ZWIERZCHOWSKA, Anna; KRZYSKOW, Roman

Acute fissural ulceration of the cardial part of esophagus and stomach (Mallory-Weiss syndrome) as a cause of profuse bleeding. Pol. tyg. lek. 20 no.32:1208-1209 9 Ag '65.

1. Z Oddziału Chirurgicznego Szpitala Wojewodzkiego w Warszawie (Ordynator: prof. dr. med. Witold Rudowski).

BARTKOWIAK, Edmund; ZWIERZCHOWSKA, Danuta

Aseptic necrosis of the femoral head in the treatment of congenital
hip dislocations. Chir.narz.ruchu ortop. polska 26 no.2:131-139
'61.

1. Ze Szpitala Ortopedyczno-Urazowego im. dr Z.Radlinskiego w
Lodzi Dyrektor: dr E.Bartkowiak.
(HIP fract & disloc) (FEMUR HEAD pathol)

BARTKOWIAK, Edmund; ZWIERZCHOWSKI, Henryk

On the problem of early surgical therapy of knee tuberculosis.
Chir.narz.ruchu ortop. polska 26 no.4:415-420 '61.

1. Ze Szpitala Ortopedyczno-Urazowego im. Dr. Z. Radlinskiego w Lodzi
Dyrektor: Dr. E. Bartkowiak.
(TUBERCULOSIS OSTEOARTICULAR surg) (KNEE surg)

RECHCINSKI, Jerzy; WOLSKA, Irena; ZWIERZCHOWSKI, Henryk

Remote results after surgical therapy of hallux valgus with
Dega's method. Chir.narz.ruchu ortop. polska 26 no.2:141-147
'61.

1. Ze Szpitala Ortopedyczno-Urazowego im. dr Z. Radlinskiego w
Lodzi Dyrektor: dr E.Bartkowiak.
(HALLUX surg)

ZWIERZCHOWSKI, Henryk

Studies of development of the apparently normal hip in cases with unilateral congenital dislocation of the hip. Chir. narzad. ruchu. ortop. Pol. 28 no.7:925-930 '63

1. Ze Szpitala Ortopedyczno-Urazowego im. dr. Z. Radlinskiego w Lodzi (Dyrektor: doc. dr. E. Bartkowiak).

ZWIERZCHOWSKI, Henryk

Late dislocation of the hip following untreated dysplasia.
Chir. narzad. ruchu ortop. Pol. 30 no.4:381-383 '65.

1. Z Kliniki Ortopedycznej AM w Lodzi i Szpitala Ortopedyczno-Urazowego im. dr. Z. Radlinskiego (Kierownik Kliniki i Dyrektor Szpitala: doc. dr. med. E. Bartkowiak).

POLAND

RAMISZ, A., and ZWIERZCHOMSKI, J. Wojewodztwo Veterinary Hygiene
Office (Woj. Zakład Higieny Weterinaryjnej), Krakow. Dr. A. Ramisz, Head;
Department of Epizootiology, Higher School of Agriculture (Katedra Epizootjo-
logii WSR), Wroclaw. Prof. Dr. T. Sobiech, Head.

"The Course and Treatment of Toxocara canis in Young Arctic Foxes (Alopex
lagopus) under Fox-Farm Conditions"

Lublin, Medycyna Weterinaryjna, Vol 22, No 4, 1966, pp 204-208.

Abstract: The paper describes a study of invasion of T. canis. Three stages
have been distinguished in the course of the disease, and the symptoms and
duration of each are described. Early worming was used therapeutically with-
out adverse effects. The absence of eggs in the feces does not rule out the
presence of the disease.

Contains a summary in English, 3 Tables and 14 references (1 Polish, 7 Western,
4 Russian and 2 German-language).

POLAND / Diseases of Farm Animals. Toxicoses.

R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35883.

Author : Kaszubkiewicz, Gzeslaw; Wartenberg, Lech;
Zwierszchowski, Jan.

Inst : Not given.

Title : Poisoning of Silver Foxes with Rancid Cod-
Liver Oil.

Orig Pub: Med. Weteryn., 1957, 13, No 4, 228-233.

Abstract: A case of mass poisoning of foxes is described. For a month and a half the foxes received rancid cod-liver oil (2 ml. each). Nineteen of 272 foxes died and 12 recovered. Refusal of food, discharge from the nose and eyes, diarrhea, shedding of the fur, and lowering of body

Card 1/2

LIPANOWICZ, J.; ZWIERZCHOWSKI, J. (Wroclaw)

The level of leptospire antibodies in cattle serums and the presence
of the bacillus in the organs; preliminary report. Rocznik nauki roln
wet 70 no.1/4:225-226 '60. (EEAI 10:9)

(Leptospirosis) (Antigens and antibodies)
(Cattle) (Serum) (Bacillus)

ZWIERZCHOWSKI, J. (Wroclaw)

Aujeszky's disease in silver foxes and minks. Rocznik nauki rolniczej 70
no. 1/4: 245 '60. (EEAI 10:9)

(Silver fox) (Minks) (Aujeszky's disease)

ZWIERZCHOWSKI, J. (Wroclaw)

Enzootic rabies on silver fox farms. Rocznik nauki wet 70 no.1/4:
244-245 '60. (EEAI 10:9)

(Silver fox) (Hydrophobia)

POLAND

ORLOWSKI, Witold J., ZWIERZCHOWSKI, Ryszard, and STEPNIAK, Roman; Division of Ophthalmology (Oddzial Okulistyczny) (Ordynator: Docent, Dr. med. W. J. ORLOWSKI), Division of Laryngology (Oddzial Laryngologiczny) (Ordynator: Dr. R. ZWIERZCHOWSKI), and Division of Dermatology (Oddzial Dermatologiczny) (Ordynator: Dr. M. ZAJFEN) [Institution not given] in Warsaw

"Asher Syndrome. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 27 May 63, pp 795-797

Abstract: [Authors' English summary] Authors describe a case (28th in world literature and 2nd in Poland) of Asher syndrome with blepharochalasis of the Fuchs type, double lip, and struma without any signs of Basedov's disease. They are of the opinion that surgical treatment of the lip may be effective if performed after puberty, but that surgical treatment of the eyelids may be only of transient cosmetic effect because of the progressive atrophy of the skin. There are 25 references, one Polish, 9 German, and 15 Western.

1/1

ZWIERZCHOWSKA, W.

SCIENCE

Periodical: GAZETA OBSERWATORA. P.I.H.M. Vol. 11, no. 8, Aug. 1958.

ZWIERZCHOWSKA, W. The range and structure of the tropopause in the light
of new Soviet investigations. p. 7.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 3, May 1959
UNCLASS.

POLAND / Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35844.

Author : Zwierz, J. ~~Zwierzchowski, J.~~
Inst : Not given.
Title : Combatting Epizootic Leptospirosis in Silver
Foxes with the Use of Sera, Vaccines and Anti-
biotics.

Orig Pub: Med. weteryn., 1957, 13, No 6, 321-325.

Abstract: No abstract.

POLAND/Diseases of Farm Animals. Arachno-Entomoses.

B

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69515.

Author : Lipanowicz, Jerzy; Zwierzchowski, Jan.

Inst :

Title : Mange of Polar Foxes (*Alopex lagopus* L.). Treatment
With Hexachlorocyclohexane.

Orig Pub: Med. weteryn., 1957, 13, No 7, 394-398.

Abstract: The mange of polar foxes was observed on two fur farms. In the affected animals, the following symptoms were noticed: husky scaling of the skin of the back abdomen and lumbs, formation of crusts on the paws and tail, ruffled condition of the hair, and severe itching. The hair was not shed. The examination of scrappings revealed the presence of *Sarcoptes scabiei*. The treatment of affected animals by

Card : 1/2

ZWIERSKOWSKI, Włodzimierz

Adsorption of surface active substances at an air-water interphase.
Chemia stosow A 9 no.1:91-110 '65.

J. Department of Technology of Fats of Gdansk Technical University.
Submitted November 16, 1963.

ORLOWSKI, Witold J.; ZWIERZCHOWSKI, Ryszard; STEPNIAK, Roman

A case of Ascher's syndrome. Pol. tyg. lek. 18 no.22:795-797
27 My '63.

1. Z Oddziału Okulistycznego; ordynator: doc. dr med. W.J.
Orlowski, z Oddziału Laryngologicznego; ordynator: dr R.
Zwierzchowski i z Oddziału Dermatologicznego w Warszawie;
ordynator: dr M. Zajfen.

(EYELIDS) (GOITER) (LIPS) (DISEASES)

ZWIERZCHOWSKI, St.

Splendors and miseries of inventiveness; rules and practice.
Przeł techn 85 no. 43:9 25 0 '64.

ZWIERSCHOWSKI, St.

New design of slotting mills. Mechanik 36 no.1.38 '63.

1. Przewodniczący Klubu Techniki i Racjonalizacji, Zakłady Przemysłowe Henryk Cegielski, Poznań.

ZWIERZCHOWSKI, S.

A new way of fastening screw thread cutters. p. 238.
(MECHANIK. Poland. Vol. 29, no. 6, June 1956.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

ZWIERZYNSKI, Tadeusz; KURYLICIO, Lucjan

A syndrome of abnormalities in a 7-month-old human fetus.
Folia morph. (Warsz.) 24 no.3:311-316 '65.

1. Z Zakładu Anatomii Prawidłowej Szlowieka AM w Lublinie
(Kierownik: prof. dr. M. Stelmasiak).

ZWIERZCHOWSKI, Z.

Chloraminometric determination of the sodium, potassium and
dicalcium salts of p-aminosalicylic acid. Acta pol. pharm.
20 no.5:383-385 '63.

1. Z Zakładu Chemii Farmaceutycznej Akademii Medycznej w
Lodzi; kierownik: prof.dr.K.Kalinowski.

*

COUNTRY : POLAND
CATEGORY : Chemical Technology. Chemical Products and Their Application. Pharmaceuticals. Vitamins. Antibio*
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61850
AUTHOR : Kalinowski, K.; Zwierzchowski, Z.
INSTITUTE : -
TITLE : Microdetermination of Novocaine and of n-Aminobenzoic Acid by Coulombometrical Method with the Pre-**
ORIG. PUB. : Acta polon. pharmac., 1958, 15, No 3, 175-178

ABSTRACT : 80-150 mg of a substance are dissolved in 1000 ml water. 10 ml of solution are tested coulombometrically (electrolyte - 10% KBr solution in a mixture with 15% solution of H₂SO₄). An average error in the determination of novocaine (I) is $\pm 1\%$, of n-aminobenzoic acid (II) is $\pm 1.2\%$. A method of separation of I and II by electrophoresis on paper at pH of 5.0-9.0 is developed. An average error of a single determination: for
*tics.
**liminary Separation by Electrophoresis

Card: 1/2

CATEGORY :

H

ABS. JOUR. : RZhKhim., No 17, 1959, No. 61850

AUTHOR :

INSTITUTE :

TITLE :

ORIG. PUB. :

ABSTRACT : I is $\pm 3\%$, for II is $\pm 6\%$. -- Ya. Shteynberg.

Card: 2/2

H - 73

KALINOWSKI, Kazimierz; ZWIERZCHOWSKI, Zbigniew

Chlorocoulometric microdetermination of the sodium, potassium and dicalcium salts of p-aminosalicylic acid. Acta pol. pharm. 20 no.4:303-308 '63.

1. Z Zakladu Chemii Farmaceutycznej Akademii Medycznej w
Lodzi Kierownik: prof. dr K. Kalinowski.

(AMINOSALICYLIC ACID) (CHEMISTRY, ANALYTICAL)
(SODIUM) (POTASSIUM) (CALCIUM)
(MICROCHEMISTRY)

CA

Zirconium deposits in western Pomorze (Poland).
Jozef Zuberzcki (Univ., Wroclaw, Poland). *Hutnik* 14,
127-2 (1947).--Classification of the Baltic black sands of
western Pomorze gave the following particle size distribu-
tion: 0.2% of the grains 0.5-2.0 mm., 60.0% 0.2-0.5,
and 40.8% 0.0-0.2 mm. Mineralogical analysis shows
that the fraction with grains larger than 0.2 mm. con-
tained magnetite 8.4, ilmenite 5.4, rutile and nigrine
1.01, and zircon 0.12%. The fraction with grains smaller
than 0.2 mm.: magnetite 5.0, ilmenite 10.3, rutile and
nigrine 2.75, and zircon 1.44%. A review of world sources
of supply and uses of the various components of black sand
is included. Frank Conet

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

SECTION	GROUP	CLASSIFICATION	ALPHABETIC INDEX
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97	98	99	100

NIEWIADOMSKI, Henryk; ZWIERZYKOWSKI, Wlodzimierz; PLOSZYNSKI, Michal

A new conductometric method for titration of surface agents such as alkyl arylosulfonates, alkyl sulfonates and alkyl sulfates with the p-toluidine hydrochloride. Chem anal 4 no.5/6:995-997 '59.
(EEAI 9:9)

1. Katedra Technologii Tluszczow Politechniki Gdanskiej
(Conductometric analysis) (Surface-active substances)
(Alkyl groups) (Aryl groups) (Toluidine)
(Hydrochlorides) (Sulfonates) (Sulfates)

MEDREA, O.; ZWILLINGER, E.; ROGOZ, I.

Restoration of opposition movement in the paralysed thumb. Rumanian
M. Rev. 3 no.1:61-65 Jan-Mar 59.
(THUMB, paralysis
surg. restoration of opposition movement)

WACHON, Zdzislaw; ZWOLINSKI, Jerzy

Possibilities of treatment of tuberculosis of the lungs with aerosols.
Gruzlica 25 no.8:649-654 Aug 57.

1. Z Kliniki Grzulicy A.M. we Wroclawiu Kierownik: doc. T. Garbinski
i z Zakladu Technologii Srodkow Leczniczych A.M. we Wroclawiu
Kierownik: prof. L. Kuczynski.

- (TUBERCULOSIS, PULMONARY, ther.
isoniazid, aerosol admin. (Pol))
- (ISONIAZID, ther. use
tuberc., pulm., aerosol admin. (Pol))

TO: [Illegible]

FROM: [Illegible]

SUBJECT: [Illegible]

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

ZIGANOW, Zbigniew, mgr ins.; ZYAK, Adam, mgr ins.

Studies on increased reversibility of axial mine fans. Glow inst
gorn prace no. 352/360:237-238 '64.

1. Central Mining Institute, Katowice.

ANESTHESIA
Anesthesia in traumatic surgery with special reference to
anesthesia in transtrochanteric and neck fractures of the
femur. Chir.narz.ruchu ortop.polska 25 no.6:561- 567 '60.

1. Z Miejskiego Szpitala Chirurgii Urazowej w Warszawie.
Dyrektor: dr Z. Deka.

(FEMUR NECK fract & disloc)
(FEMUR fract & disloc)
(BARBITURATES anesth & analg)
(MEPERIDINE anesth & analg)

ZWIERZCHOWSKI, S.

Is inventiveness profitable? Przegl techn 85 no.3:10 19 Ja
'64.

KALINOWSKI, Kazimierz; ZWIERZCHOWSKI, Zbigniew

Coulometric microdetermination of a mixture of isoniazid and the sodium salt of p-aminosalicylic acid with the aid of 2 haloids. Acta pol. pharm. 20 no.4:309-313 '63.

1. Z Zakladu Chemii Farmaceutycznej Akademii Medycznej w Lodzi

Kierownik: prof. dr K. Kalinowski.

(AMINOSALICYLIC ACID) (ISONIAZID)

(CHEMISTRY, ANALYTICAL) (CHLORINE)

(BROMINE) (INDICATORS AND REAGENTS)

(MICROCHEMISTRY)

OWIENSKI, Zbigniew, doc., dipl. ing. (Poland)

Ergometric evaluation of mining machinery. Ipari energia
5 no.3:65 M '64.

ZWIERZYCKI, Z.

Calculating the compactness of tubes for compressed air. Biuletyn. p. 9.
(PRZEGLAD GORNICZY, Vol. 10, No. 6, June 1954, Stalinogrod, Poland)

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

"Problem of Standardization in Civil and Sport Aviation," P. 204. (WIADOMOSCI,
Vol. 22, No. 4, Apr. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

Under the banner of May Day. p. 161

Cost accounting in big railroad stations. p. 189 PRZEGLAD KOLEJOWY
(Wydawnictwa Komunikacyjne) Warszawa. Vol. 7, no. 5, May 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 4, no. 12, December 1955

ZWINGER, A.; VOJTA, M.

Surface plastic surgery of the cervix uteri in the diagnosis
and therapy of precancerous conditions. Cesk. gynek. 29
no. 5:373-377 Je '64.

1. Ustav pro peci o matku a dits v Praze; reditel: doc. dr.
M.Vojta.

ZWINGEL, A., (Praha-Podolí), nabr. K. Marxe 157); VRANA, J.

A high frequency method for the determination of the tissue impedance of the cervix of the uterus. Česk. gynek. 44 no.3: 185-191 Ap'65.

1. Ustav pro peči o matku a dítě v Praze (zat. reditel: doc. dr. J. Horský, DrSc) a Vyzkumny ustav socialního zabezpečení v Praze (reditel: dr. L. Brejla).

VOJTA, M., doc.; POSPISIL, J.; ZWINGER, A.

Current status of the diagnosis and therapy of precancer of the cervix
uteri. Cesk. gynec. 27 no.3:210-216 Ap '62.

1. Ustav pro peci o matku a dite, Praha-Podoli, reditel doc. MUDr.
M. Vojta.

(CERVIX NEOPLASMS)

ZWINGER, A.; SVORC, J.

Remarks on cytological specimens in precancerous conditions of
the cervix uteri. Cesk. gynek. 29 no.1:67-69 F'64.

1. Ustav pro peci o matku a dite v Praze (reditel: doc.dr.
M.Vojta) a Gyn.-por. klin UDL v Praze (prednosta: doc.dr.
A. Cernoch).

*

ZWINGER, Antonin

Conservative treatment of placentapraevia. Cesk.gyn. 25[39] no.7:
533-541 S '60.

1. Ustav pro peci o matku a dite v Praze - Podoli, reditaldoc.
dr. M.Vojta, zaslouzily lekar CSSR
(PLACENTA PRAEVIA ther.)

ZWINGER, Antonin

Certain problems of diathermocoagulation of the cervix uteri. Cesk.
gyn. 24[38] no.7:559-563 S '59.

1. Por. gyn. odd. nemocnice Varnsdorf, prednosta dr. A. Zwinger.
(CERVIX UTERI neopl.)
(ELECTROCOAGULATION)

ZWINIS, M.

"Participation of the furniture workshop of the Institute of Industrial Design in industrial designing of furniture." p. 34. (PRZEMISL DRZEWNY Vol. 6, No. 1, Jan. 1955. Warszawa, Poland)

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

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Spinal cord lesions in achondroplasia. Chir. narz. ruchu ortop.
polska 26 no.1:73-81 '61.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof.
dr A. Gruca.

(ACHONDROPLASIA compl) (SPINAL CORD dis)

BRZEZINSKI, Mieczyslaw; ZWINOGRODZKI, Jozef

Statistical analysis of accidents according to material from
the Orthopedic Clinic of the Academy of Medicine in Warsaw.
Chir. narzad. ruchu ortop. pol. 28 no.3:343-352 '63.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof.
dr A. Gruca.

(ACCIDENTS) (STATISTICS)

ZWINOGRODZKI, Jozef

Theoretical calculation of the force of springs used in alloplasty.
Chir. narzad. ruchu ortop. pol. 27 no.4:531-535 162.

l. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof. dr A.Gruca
Konsultacja mechaniczna: prof. dr inż. T. Jakubowski Z Katedry Analizy
Czesci Wymiennych Politechniki Warszawskiej.
(SCOLIOSIS) (ORTHOPEDIC EQUIPMENT)

ZWINOGRODZKI, Jozef

Theoretical calculation of the length of the kyphotic curvature in alloplasty. Chir. narzad. ruchu ortop. pol. 27 no.5:657-660 '62.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof. dr A.Gruca.
(SCOLIOSIS)

PTA

1442 536.6:6226
Ochędusko B., Żwirski J. Calorimetric Testing of Natural Gas.
„Badanie kalcrymetryczne gazu ziemnego”. Nafta, No. 5, 1951, pp.
133—137, No. 6, 1951, pp. 163—168, No. 7—8, 1951, pp. 195— 190, 11
figs., 2 tabs.

one

A calorimetric study of natural gas. Stanislaw Ocho-
dusko and Ignacy Żwirski. *Natura (Poland)* 7, 131-7, 1931
8, 185-90 (1931). The heating value of natural gas high in
C₂H₆ can be accurately detd. with the Junkers' calorimeter.
No unburnt constituents are found in the combustion gases.
The exptl. values are slightly higher than those calcd. from
the elementary analysis. Bruno C. Metzner

ZWL'DOVICH, Ya.B.

Analog of the Zeeman effect in the gravitational field of a rotating
star. Pis'. v rod. Zhur. ekaper. i teor. fiz. 1 no. 3:40-44 My 1965.
(MIRA 18:10)

PA 19731

USSR/Geology
Bottom Sediment
Apr 1947

"Bottom Deposits of the Aral Sea," V. P. Zimkovich,
20 pp

"Byull Moskoy Obsh Isp Pri, Nova Ser, Oktal Geol"
vol XIII, No. 4

Geographically describes the Aral Sea, and discusses
its geology. Describes various investigations of the
sea bottom deposits studied by author. Some 92
samples subjected to determination of carbonates,
microscopic analysis, and mechanical analysis of
silt. Relative rate of sedimentation in different
parts of the basin greatest in regions in front of
islands.

USSR/Geology (Contd)
Apr 1947
49731

The delta; maximum rate of sedimentation supposed in
the central part of the basin, where sediment pre-
dominantly chemical. Deposits in shallow water areas
are primarily to drying-out fauna and denudation of
shell deposits.

49731

ZWOLFNER, W.

Observation of forest pests and the struggle against them in Bavaria, In
German. p. 326.
(Sbornik Rada Lesnictvi, Vol. 30, no. 4, April 1957. Praha, Czechoslovakia)

SD: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

WOLINSKI, Konstanty

Experiments in determining the third dimension of mineral particles
measured in the electron microscope. Rozpr hydrotechn no. 15:
327-330 '64.

ZMOLANOWSKI, T. Research on decreasing the combustibility of lumber by
using chemical means. p. 383. Vol. 27, no. 10, Oct. 1955.
FRZEGLAD BUSOVLANY. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) LC Vol. 5, no. 6 June 1956

POLAND

PARAFINSKA, Z. and ZWOLINSKA, Z. The Department of Applied Pharmacy,
Pharmaceutical Institute, Warsaw (Zaklad Farmacji Stosowanej Instytutu
Farmaceutycznego w Warszawie).

"Bacteriostatic and Bacteriocidal Agents Used in Pharmacy".

Warsaw, Farmacja Polaka, Vol 18, No 24, 30 Dec 62, pp 587-591

Abstract: The authors review the nature and mode of action of bacteriostatic
and bacteriocidal agents which are used as preservatives in injectable,
ophthalmic, internal and external drug preparations. A table is given which
lists twenty nine reagents of this type. Their concentration, toxicity,
mode of action, application and suitable media are listed.
Seventy references are cited. Three of the references are from the Soviet
block.

1/1

Zwolinska, Z.

"The garden of Tatra Mountain plants in Zakopane. p.3. (Chronmy Przyrode
Ojczysta, Vol. 14, no. 3, May/June 1958, Krakow, Poland.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

Stabilization of vitamin C solutions in phials. Farmacja Pol
18 no.22:548-549 25 N '62.

1. Zaklad Farmacji Stosowanej, Instytut Farmaceutyczny, Warszawa.

ZWOLINSKA, Zofia; ZADUMINSKI, Marian [deceased]; WASILEWSKA, Irena;
KROWCZYNSKI, Leszek

Effect of the quality of the raw material and of the method
of preparation on the stability of aqueous solutions of
thiamine HCl for injections. Acta pol. pharm. 20 no.4:339-344
'63.

L. Z Zakladu Farmacji Stosowanej Instytutu Farmaceutycznego w
Warszawie Kierownik: doc. dr L. Krowczynski.
(THIAMINE) (CHEMISTRY, PHARMACEUTICAL)

PARAFINSKA, Zofia; ZWOLINSKA, Zofia

Stabilization of water solutions for injections of some phenothiazine derivatives. Farmacja Pol 18 no.23:571-573 10 D '62.

1. Zaklad Farmacji Stosowanej, Instytut Farmaceutyczny, Warszawa.

ZWOLINSKA, Zofia,; PARAFINSKA, Zofia

Antioxidizers and their use in pharmacy. *Pharmacja* pol 19
no. 13/14:271-274 25 J1 '63.

1. Department of Applied Pharmacy, Institute of Pharmacy,
Warsaw.

KANAFINSA, Zofia, Ingr
ZWOEINSKA, Zofia, Ingr
Bactericidal and bacteriostatic agents applied in pharmacy. Farmacja
Pol 18 no.24:587-591 30 D '62.

1. Zaklad Farmacji Stosowanej, Instytut Farmaceutyczny, Warszawa.

*

POLAND

ZWOLINSKA, Zofia and PARAFINSKA, Zofia; Department of Applied Pharmacy (Zakład Farmacji Stosowanej), Pharmaceutical Institute (Instytut Farmaceutyczny) [presumed in Warsaw]

"Antioxidants and their Application in Pharmacy."

Warsaw, Farmacja Polska, Vol 19, No 13-14, 25 Jul 63, pp 271-274

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