"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

TYC, Milada; KOTELBA, Ryszard; JELJASZEWICZ, Janusz; BACZYK, Kazimierz

Studies on the relation of results of urine culture to the mode of sampling. Poznan. tow. przyjaciol nauk wydz. lek. 21 no.2:113-117 '61.

(URINE microbiol)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

STEFFEN, Jan; CZARNECKI, Ryszard; BACZYK, Kazimierz

Effect of hemodialytic therapy on the concentration of free phenols in the blood with renal insufficiency. Poznan. tow. przyjaciol nauk wydz. lek. 21 no.2:1470152 '61.
(KIDNEY ARTIFICIAL) (PHENOLS blood)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Kazimierz; NOWACZYK, Janina; WLODZIMIERZ, Adam

Clomerusal filtration rate, renal plasma flow and tubular absorption of sodium ions in arteriosclerosis. Poznan.tow.przyjaciol nauk, wydz.lek. 22 no.1/1-12:83-90 '61.
(ARTERIOSCLEROSIS physiol) (KIDNEY FUNCTION TESTS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

HASIK, Jan; RUSZKOWSKI, Marian; BACZYK, Kazimierz

A case of hepatic coma treated with extracorporal hemodialysis. Pol. tyg. lek. 17 no.16:604-607 16 Ap '62.

1. Z II Kliniki Chorob Wewnetrznych AM w Poznaniu; kierownik: prof. dr Jan Roguski.

(HEPATIC COMA ther) (KIDNEY ARTIFICIAL)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

HUNGARY

RACZYK, K. Dr., NOWACZYK, J. Dr., CZARNECKI, R. Dr., KRASNIK, W. Dr., KUHN, M. Dr., ADAM, W. Dr.; Medical Academy of Poznan, Second Internal Medicine Clinic (Poznani Orvostudomanyi Akademia, II. Belklinika).*

"Experiences with Hemodialysis Performed with the Alwall Type Artificial Kidney."

Budapest, Orvosi Hetilap, Vol 103, No 46, 18 Nov 62, pages 2169-2170.

Abstract: The authors describe the apparatus, technique, complications, results, indications and contraindications of hemodialysis based on their own experiences.

[This paper is published, as part of an exchange program, from the Polski Tygodnik Lekarski.]

[Of 15 references, 1 is Polish, 14 are Western]

1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

NOWACZYK, Janina; BACZYK, Kazimierz

Evaluation of "pararenal" blocks in the treatment of acute renal failure. Pol. tyg. lek. 18 no.42:1556-1559 14 O'63.

1. Z II Kliniki Chorob Wewnetrznych AM w Poznaniu; kierownik: prof. dr. Jan Roguski.

*

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Kazimierz; STEFEN, Jan; ADAM, Wlodzimierz; ARASIMOWICZ, Czeslaw; KNAPOWSKI, Jan

Effect of scillaren on sodium and potassium transport in the nephrons of the dog. Acta med. Pol. 5 no.4:439-446 '64

1. IInd Clinic of Internal Diseases, Medical Academy, Poznan (Director: prof. dr. J. Roguski) and Department of General and Experimental Pathology, Medical Academy, Poznan (Director: prof. dr. A. Horst).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Kazimierz; NOWACZYK, Janina; ADAM, Wlodzimierz

Kidney function tests in atherosclerosis. Polskie arch.med.wewn. 30 no.7:913-914 '60.

1. Z II Kliniki Chorob Wewnetrznych A.M. w Poznaniu Kierownik: prof. dr med. J.Roguski.
(ARTERIOSCLEROSIS diag)
(KIDNEY FUNCTION TESTS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, ST.

(3)

Catalytic cracking of the oil from brown coal tar. Wienczeslaw Kuczynski and St. Baczyk (Poznan Univ.). *Roczniki Chem.* 27, 170-1(1953).—Hydrated synthetic aluminum silicate catalysts (similar to those used in Houndry's Thermofor catalytic conversion fluid processes) were tried out in catalytical cracking of Polish oils obtained from brown coal tars. Four catalysts were examd. These were prepd. from hydrates of Al_2O_3 and SiO_2. Al_2O_3 was pptd. with NH_4OH from $Al(NO_3)_3$ or $Al_2(SO_4)_3$ solns. SiO_2 was pptd. from Na_2SiO_3 with HCl. A mixt. of dry and activated gels constituted the catalysts. Cracking was carried out at 400° with oil fractions (180-280°) from brown coal tar. Starting viscosity was 5.527 centistokes at 20°. Total yield of light oil is about 25%. Further study in progress and results will be reported. A. J. P.

10-13-54 I.J.P.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Stefan; LEMPKA, Aleksander; LUBIANSKA, Jadwiga

Vitamin C level in milk and in milk products in various conditions. Polski tygod. lek. 9 no.25:772-775 21 June 54.

1. Z Zakladu Chemii Ogolnej Wydz. Lekarskiego A.M. w Poznaniu i z Zakladu Towaroznawsta W.S.E. w Poznaniu.

(VITAMIN C,
in milk & milk prod.)
(MILK,
vitamin C in milk & milk prod.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Stefan; LEMPKA, Aleksander; SLOWINSKI, Wlodzimierz.

Potentiometric method of determination of vitamin C with oxalic acid as stabilisor. Polski tygod. lek. 10 no.51:1642-1645 19 Dec 55.

1. Z Zakladu Chemii Ogolnej Wydzialu Lekarskiego A.M. w Poznaniu i z Zakladu Towaroznawstwa Rolno-Spozywczego W.S.E. w Poznaniu. Poznan, Zaklad Chemii Ogolnej Wydz. Lek. A.M.

(VITAMIN C, determination,
potentiometric method with oxalic acid as stabilisor (Pol))
(OXALATES,
as stabilisor in potentiometric determ. of vitamin C (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

EXCERPTA MEDICA Sec.2 Vol.10/10 Phy.Biochem. Oct 57

BACZYK S.

4270. BĄCZYK S., LEMPKA A. and SŁOWIŃSKI W. Zakł. Chem. Ogólnej Wydziału Lek. Akad. Med., Poznań. * 2% kwas szczawiowy jako stabilizator witaminy C w metodach ilościowego oznaczania. A 2% solution of oxalic acid as a stabilizer for ascorbic acid in its quantitative determination POL. TYG. LEK. 1957, 12/8 (293-296) Tables 5

Oxalic acid is an adequate substitute for metaphosphoric acid and is a much better stabilizer than most other compounds used for the purpose. It also promotes solubility of ascorbic acid and aids its isolation from the raw material.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Stefan

Detection of L ascorbic acid by means of titanium tetrachloride. Chem anal 4 no.4:715-717 '59. (EEAI 9:6)

1. Zaklad Chemii Ogolnej Wydzialu Lekarskiego Akademii Medycznej Poznan.

(Ascorbic acid) (Titanium chlorides)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Stefan

Application of l-ascorbic acid as a reducing reagent in chemical analysis. Chem anal 5 no.1:3-10 '60. (EEAI 9:11)

1. Zaklad Chemii Ogolnej Wydzialu Lekarskiego Akademii Medycznej, Poznan

(Ascorbic acid)
(Chemistry, Analytic)
(Reducing agents)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Stefan, docent, dr.

Structure and determination of ascorbigen. Wiad chem 16 no.5:321-326 My '62.

1. Katedra Chemii Ogolnej, Wydzial Lekarski, Akademia Medyczna, Poznan.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZIK, Stefan

Studies on the determination of a bound form of l-ascorbic acid in biological material of animal origin. Pol. tyg. lek. 17 no.32: 1255-1257 6 Ag '62.

1. Z Zakladu Chemii Ogolnej Wydzialu Lekarskiego AM w Poznaniu i z Zakladu Fizjologii i Chemii WSWF w Poznaniu.
(ASCORBIC ACID)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYK, Stefan; DROBINSKI, Tadeusz; RYCHLY, Benon

Studies on polyvinylalcohol-iodine-boric acid (PWAB-I).II. Preliminary evaluation of therapeutic properties of the new iodophore PWAB-I in some otorhinolaryngological diseases. Otolaryng. Pol. 17 no.3:255-258 '63.

1. Z Kliniki Laryngologicznej AM w Poznaniu (kierownik: prof.dr.med. mgr.fil. A. Zakrzewski) i z Katedry Chemii Ogolnej AM w Poznaniu (kierownik: doc.dr.chem.S.Baczyk).

*

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

WIZA, Jozef; BACZYK, Stefan; RYCHLY, Benon

Studies on iodo-polyvinyl alcohol-boric acid. Preliminary evaluation of blue iodine complexes with special reference to their bacteriological properties. Acta Pol. pharm. 20 no.6:455-457 '63.

1. Z Katedry i Zakladu Mikrobiologii Lekarskiej Akademii Medycznej w Poznaniu (Kierownik: prof. dr med. J. Wiza) i z Katedry i Zakladu Chemii Ogolnej Akademii Medycznej w Poznaniu (Kierownik: doc. dr S. Baczyk).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

SENTEK, W.; RYS, Rajmund, doc. dr; BACZKOWSKA, H.

Digestibility of standard broiler mash and influence of some admixtures on the nitrogen balance. Rocz nauk roln zootechn 84 no.3:607-615 '64.

1. Department of Feeding of the Zootechnical Institute, Krakow. Head:[doc.] Rajmund Rys.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, A.; CZAJKOWSKI, M.; KAPIOR, A.; WALENTYNOWICZ, E.

Effect of admixture on the photoconductivity of polycrystalline cadmium sulfide. Przem inst elektron prace 5 no.2:95-108 '64.

1. Department of Experimental Physics of the N. Copernicus University, Torun, and Laboratory of Physics of Solid Bodies, Torun, of the Industrial Institute of Electronics. Submitted June 20, 1964.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKA, Halina (Poznan)

Thinking development in children as seen in the light of their compositions. Przegl psychol no. 6:114-139 '63.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKA, K.

"Are plants the only source of cellulose?" p. 60.
"A list of papers published in the form of communiques by the Central Pulp and Paper Laboratory and the Pulp and Paper Institute." p. 63. (Przeglad Papierniczy, Vol. 10, no. 2, Feb 54, Lodz)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKA, K.

"Waste products as raw material for pulp." Biuletyn. P. 1.
(PRZEGLAD PAPIERNICZY. Vol. 10, No. 12, Dec. 1954. Lodz, Poland)

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

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKA, KRYSTYNA

Poland/Chemical Technology. Chemical Products and Their Application -- Wood chemistry products. Cellulose and its manufacture. Paper, I-23

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6263

Author: Baczynska, Krystyna

Institution: None

Title: Rape Straw as a Cellulosic Raw Material

Original Publication: Przegl. papiern., 1955, 11, No 21, 379-380

Abstract: The straw contains (in %): cellulose (C) 39, lignin 23.5, pentosans 19.4. C is obtained by the caustic soda or the sulfate method with subsequent bleaching. Decomposition during the cooking process is more complex than in the case of cereal grain straw. On treatment with 15% CaO (on basis of absolutely dry fiber) semichemical pulp is obtained which is used in manufacture of cardboard. Soda cooking is carried out with 22-28% NaOH (on basis of absolutely dry fiber) at 145-165° for 4-6 hours. Modulus 7:1. On sulfate cooking expenditure of alkali amounts to 22-30% NaOH (on basis of absolutely dry fiber),

Card 1/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

Poland/Chemical Technology. Chemical Products and Their Application -- Wood chemistry products. Cellulose and its manufacture. Paper, I-23

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6263

Abstract: optimal temperature 160°, duration 4 hours. Modulus 7:1. Mechanical properties of C are somewhat inferior to those from grain straw. Bleaching is in 4 steps. Degree of C whiteness 85%. On grinding of C to 60° ShR breaking length 7,100 m, rupture strength 170 double bends. The C is suitable for production of writing and printing paper.

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKA, KRYSTYNA

Douglas fir—a fibrous raw material for pulp. Krystyna Baczyńska and Janusz Maj. *Przegląd Papierniczy* 12, 377-8(1950).—Lab. evaluation of Douglas fir (I) grown in northern Poland showed that the cellulose content was somewhat lower than in spruce (II) but about the same as in pine (III). Sulfite [illegible] gave poor [illegible] amts. of screening [illegible] of I gave [illegible] pulp [illegible] required [illegible] Tegree [illegible]

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

Country : POLAND H
Category : Chemical Technology. Chemical Products (Part 4). Cellulose and Its Derivatives. Paper
Abs. Jour. : Ref Zhur-Khim, 1959, No 7, 25709

Author : Baczynska, K.
Institut. : -
Title : On the Fitness of Willow Wood for the Cellulose Industry

Orig. Pub. : Przegl. papiern., 1958, 14, No 7, 198-201

Abstract : Studies were made under laboratory conditions on the production of cellulose from Salix alba and S. pyramidalis by the sulfitation process. It was established that in boiling willow wood less alkali (by about 4%), less steam and a shorter time of boiling are required as compared with the boiling of pine wood. Willow as raw material for cellulose is comparable to poplar, the common pine and reed. Cellulose from willow has less mechanical strength than cellulose from

Card: 1/2

H-149

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKA, Krystyna, mgr.

Application of sodium hypochlorite for the bleaching of rayon grade chemical pulps. Przegl papier 18 no.3:65-68 Mr '62.

1. Instytut Celulozowo-Papierniczy, Lodz.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

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

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

1. Z Instytutu Reumatologicznego w Warszawie Dyrektor: prof. dr. E. Reicher.
(ARTHRITIS, RHEUMATOID, diag.
serodiag., Waaler-Rose reaction (Pol))
(RHEUMATIC FEVER, diag.
same)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

KWAPINSKI, Jerzy; BACZYNSKA, Krystyna; RAU, Barbara

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

1. Zaklad Mikrobiologii Instytutu Reumatologii Warszawa, ul. Nowogrodzka 59.
(RHEUMATISM, immunology,
hemagglut. reaction, review (Pol))
(HEMAGGLUTINATION, in various diseases,
rheum., review (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKA, Krystyna

KWAPINSKI, Jerzy; BACZYNSKA, Krystyna; RAU, Barbara

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

(RHEUMATISM, blood in
streptokinase-antistreptokinase determ. (Pol))
(STREPTODORNASE AND STREPTOKINASE, determ.
in rheum. dis. (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

KWAPINSKI, Jerzy, RAU, Barbara, BACZYNSKA, Krystyna

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

1. Zaklad Mikrobiologii Instytutu Reumatologicznego. Adres: Warszawa, ul. Nowogrodzka 59.
(BLOOD PROTEINS,
C-reactive (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

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

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

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

(RHEUMATIC FEVER, blood in
antistreptolysin O (Pol))
(ANTISTREPTOLYSIS, in blood
O, in rheum. fever (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

JARZEBSKA, Danuta; BACZYNSKA, Krystyna; RAU, Barbara

Behavior of the protein C (CRP) in rheumatic disease in children. Reumatologia Polska no.3:253-256 '60.

1. Z II Kliniki Pediatrycznej AM w Warszawie Kierownik: prof. dr M. Michalowicz Z Instytutu Reumatologicznego w Warszawie Dyrektor: prof. dr E. Reicher Kierownik Dzialu Dziececego: prof. dr T. Lewenfisz-Wojnarowska Kierownik Zakladu Mikrobiologii: doc. dr J. Kwapinski

(RHEUMATIC FEVER blood)
(CREATIVE PROTEIN)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

SLOMSKA-SCHMITT, Janina; KOZLOWSKA, Elzbieta; BACZYNSKA, Krystyna; TORUN, Lucyna; DANIELEWICZ, Danuta

Studies on sera with non-specifically high antistreptolysin O titiers. Reum. Pol. 2 no. 2:133-135 '64.

1. Z Zakladu Mikrobiologii i Serologii Instytutu Reumatologicznego w Warszawie (Kierownik: dr farm. J.Slomska-Schmitt; Dyrektor Instytutu: dr med. W.Brühl).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

SWIERCZYNSKA, Zdzislawa, doc.; WALUK, Waleria; BACZYNSKA, Krystyna

Evaluation of the passive hemagglutination test for the diagnosis of rheumatoid arthritis. Reumatologia (Warsz) 3 no.1:7-12 '65.

1. Z Zakladu Mikrobiologii i Serologii Instytutu Reumatologicznego w Warszawie (Kierownik: doc. Z. Swierczynska; Dyrektor Instytutu: dr. med. W. Bruhl).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

WAWRZYNSKA-PAGOWSKA, Jadwiga; BRZEZINSKA, Blandyna; GRAFF-WROBLEWSKA, Teresa; PAKULA, Adela; WOJCIK-SCISLOWSKA, Maria; wspolpracowala: BACZYNSKA, Krystyna

Behavior of C-reactive protein in chronic progressive arthritis. Reumatologia (Warsz.) 3 no.3:225-229 '65.

1. Z I Oddzialu Reumatologicznego Instytutu Reumatologicznego w Warszawie (Kierownik: doc. dr. med. J. Wawrzynska-Pagowska) i z Zakladu Mikrobiologii i Serologii Instytutu Reumatologicznego (Kierownik: doc. dr. med. Z. Swierczynska).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

POLAND/Physical Chemistry. Crystals. B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73106.

Author : R. Bauer, A. Baczynski.
Inst : Academy of Sciences of Poland. (Nicolaus Copernicus Univ., Photoluminescence Lab, Torun, Poland).
Title : On the Exciting Wave Length Dependence of the Ratio of the Yields of Phosphorescence and Fluorescence.

Orig Pub: Bull. Acad. polon. sci. sér. sci. math., astron. et phys., 1958, 6, No 2, 113-117, VIII.

Abstract: The dependence of the ratio of the phosphorescence yield to the fluorescence yield on the wave length of the exciting light was studied. It is shown that the probability of the transition F $\longrightarrow$ M depends on the wave length of the exciting

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

B

POLAND/Physical Chemistry. Crystals.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73106.

light. That phenomenon is explained by Frank-Cordon potential curves.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

POLAND / Physical Chemistry. Molecule. Chemical Bond. B-4

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 74243.

Author : ~~Baczynski, A.~~, Berdowski, W., Legowski, S.
Inst : Polish Academy of Sciences. (Institute of Physics)
Title : Solution of the Schroedinger Equation for the Van der Waals Potential.

Orig Pub: Bull Acad Polon Sci, Ser Sci Math, Astronom, et Phys, 6, No 2, 119-125, (1958) (in English with a Russian summary).

Abstract: Using an improved magnetic apparatus of their own design, the authors have solved the Schroedinger equation for the Van der Waals potential $V(r) = C_2 r^{-8} - C_1 r^{-6}$ in the case of interactions between argon and mercury atoms. The constant C_1 has been evaluated theoretically previ-

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POLAND / Physical Chemistry. Molecule. Chemical Bond. B-4

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 74243.

Abstract: ously (H Kuhn, Proc Phys Soc, A158, 212 (1937)); the constant C_2 was calculated on the assumption that the potential curve has a minimum at R = 3A. Using the above-described instrument, the authors have obtained the first five vibrational energy levels and plotted the curves of the corresponding eigenfunctions. The functions have been normalized and their orthogonality has been verified. The apparatus operates on the principle of the analogy between the one-dimensional steady-state Schroedinger equation and the equation for small oscillations of a magnetic needle in a fluctuating magnetic field.

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

POLAND/Optics - Luminescence K-6

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 1957

Author : Baczynski A., Czajkowski M.
Inst : Institute of Physics, Polish Academy of Sciences, Nicholas Copernicus University, Torun, Poland.
Title : Polarization of Photoluminescence of Organophosphors.

Orig Pub : Bull. Acad. polon. sci. Ser. sci. Math., astron. et phys., 1958, 6, No 4, 271-274

Abstract : The authors have investigated the degree of polarization p of photoluminescence of fluorescein in boric acid as a function of the wavelength of the exciting light, by measuring the anisotropy of radiation, r. These two quantities are related by the equation $r = 2p/(3 - p)$. It is observed that in the region of excitations, where phosphorescence occurs along with fluorescence, there is a reduction in the anisotropy of radiation. The explanation for this is that the phosphorescent radiation is polarized to a lesser degree than the fluorescent radiation, and consequently the degree of
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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

POLAND/Optics - Luminescence K-6

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 1957

polarization of the fluorescence mixed with phosphorescence is less than that of pure fluorescence. For fluorescein in boric acid, the value of anisotropy of phosphorescent radiation was found to be r = 0.197 (p = 27%). The effect described above whereby the degree of polarization of luminescence is described, can be described by the formula $r_F = r + (\eta_P/\eta_F)(r - r_P)$, where r_F, r_P and r are respectively the anisotropy of pure fluorescent, pure phosphorescent, and mixed radiation, while η_F and η_P are respectively the fluorescence and phosphorescence yields. As can be seen, r_F and r differ little from each other, if the phosphorescence yield ϕ_P is small; it is therefore probable that many investigators have not noted this difference. According to estimates by the authors, r_F for fluorescein in boric acid has a constant value at wavelengths of exciting light from 400 to 520 millimicrons. Bibliography, 14 titles.

A.I. Leysaer

Card : 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

POLAND/Optics - Physical Optics. K

Abs Jour : Ref Zhur Fizika, No 12, 1959, 28456

Author : Bauer, R., Baczynski, A., Czajkowski, M.

Inst : Nicholas Copernicus University, Torun, Poland

Title : Excitation Energy Transfer from Dye Molecules in the Metastable State

Orig Pub : Bull. Acad. polon. sci. Ser. sci. math., astron. et phys., 1958, 6, No 10, 653-658, LII

Abstract : An investigation was made of the selfs depolarization of fluorescence and phosphorescence of acrydine yellow (I) in boric acid at room temperature. The degree of anisotropy of phosphorescence drops with increasing concentration I more rapidly than the anisotropy of the fluorescence, which is attributed to the transfer of excitation energy from the molecules of I in the

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POLAND/Optics - Physical Optics. K

Abs Jour : Ref Zhur Fizika, No 12, 1959, 28456

metastable state. Quantitatively the phenomenon is satisfactorily described by the Jablonski theory (Referat Zhur Fizika, 1958, No 11, 26216). It is also shown that the ratio of the phosphorescence yields and of fluorescence yields of I increases with increasing concentration of I, reaches a maximum at concentration $\sim 6 \times 10^{-4}$ g/g and then drops again. -- V.L. Yermolayev

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, A.; CZAJKOWSKI, M.

On the concentration dependence of luminescence spectra on organo-phosphors. Bul Ac Pol mat 8 no.9:651-654 '60.

1. Pracownia Fotoluminescencji, Torun, PAN. Presented by A. Jablonski.

(Phosphorus) (Phosphorescence)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

41769

S/194/62/000/008/039/100
D295/D308

9.4160

AUTHORS: Bączyński, A., Bissinger, J., Czajkowski, M., and Walentynowicz, E.

TITLE: Cadmium-sulphide photo-resistors

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1962, abstract 8-3-79 ts (Prace przemysł. inst. elektroniki, v. 2, no. 1, 1961, 14-32 [Pol.; summaries in Eng. and Rus.])

TEXT: The present state of the general theory of photo-conductivity is reviewed. The energy level diagram of CdS is considered. In polycrystalline layers, in addition to donor and acceptor levels generated by impurities, there are defects of another type, for example vacant nodes in the lattice; therefore such layers are not identical with monocrystals in their properties. The technology of polycrystalline photo-resistors developed at PIE, Poland, is described; the role of activators (Cu and Cl) is considered as well as the influence of heat treatment on their parameters, the integral and spectral sensitivities, the relaxation time and dark current. Photo-

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S/194/62/000/008/039/100
D295/D308

Cadmium-sulphide photo-resistors

resistors have been obtained with integral sensitivity of 3,000 μA/ /lumen (FOK-1) and 20,000 μA/lumen (FOK-2). 37 references. (Zakład Fizyki Lamp Elektronowych, Poland). [Abstracter's note: Complete translation.]

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, A.; CZAJKOWSKI, M.; TRAWINSKI, S.

On the fluorescence of fluorescein in methyl methacrylate. Bul Ac Pol mat 9 no.1:47-51 '61.

1. Photoluminescence Laboratory (Torun), Institute of Physics, Polish Academy of Sciences and Department of Physics, Nicolas Copernicus University, Torun. Presented by A. Jablonski.

(Methyl methacrylate) (Fluorescein)
(Fluorescence)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

P/053/62/000/007/002/004
I010/I242

AUTHORS: Bączyński, Andrzej and Czajkowski, Mieczysław

TITLE: The effect of oxygen on the photoconductivity of polycrystalline CdS layers

PERIODICAL: Przegląd Elektroniki, no.7, 1962, 385-390

TEXT: Plates 10 mm in diameter and about 0.5 mm thick were formed from spectrally pure microcrystalline CdS activated with Cu and Cl. These plates were sensitized by secondary activation by heating in air. The distance between the indium electrodes was 4 mm. Plates activated at 500°C and 30 minutes showed optimum sensitivity. Pressure increase during sintering caused higher sensitivity. The measurement of the spectral distribution of CdS polycrystals showed a maximum at about 6500Å. The presence of oxygen in the activation

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I010/I242

The effect of oxygen ...

process plays the main role in sensitization. The contact between the Cu and Cl activated microcrystals is ensured by the intercrystalline layer of oxidation products. There are 8 figures.

ASSOCIATION: Przemysłowy Instytut Elektroniki (Industrial Electronics Institute)

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

S/275/63/000/002/011/032
D405/D301

AUTHORS: Baczynski, A. and Czajkowski, M.

TITLE: Effect of oxygen on the photoelectric conductivity of single crystal layers of cadmium sulfide

PERIODICAL: Referativnyy zhurnal, Elektronika i eye primeneniye, no. 2, 1963, 11, abstract 2B65 (Prace Przemysl. inst. elektron., v. 3, no. 1, 1962, 22-33 (Pol.: summaries in Eng. and Rus.))

TEXT: The effect is investigated of oxygen-heat treatment and of the pressure during the mechanical shaping of the layer on the properties of CdS photoelectric resistances. It is noted that the integral sensitivity and the dark resistance of the layer can be varied fairly widely by changing the temperature for a given activation time and by changing the activation time for a given temperature. Proceeding from the experimental results, the mechanism of photoelectric conductivity of single-crystal layers is discussed, the oxidation process being taken into account. (From the authors' summary). [Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, A.

Photoconductivity of polycrystalline systems of cadmium sulphide. Acta physica Pol 22 no.3:241-248 S '62.

1. Department of Experimental Physics, N. Copernicus University, Torun.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, A.

Mechanism of photoconductivity and the photovoltaic effect in polycrystalline cadmium sulfide. Przem inst elektron prace 4 no. 1:25-34 '63.

1. Katedra Fizyki Doswiadczalnej, Uniwersytet im. Mikolaja Kopernika, Torun i Zaklad Fizyki Ciala Stalego, Przemyslowy Instytut Elektroniki, Torun.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, A.; BISSINGER, J.; CZAJKOWSKI, M.; WALENTYNOWICZ, E.

Photoactivation of cadmium sulfide. Bul Ac Pol mat 12 no. 1: 67-72 '64 .

1. Department of Experimental Physics, N. Copernicus University, Torun, and Laboratory of Solid State Physics, Industrial Institute of Electronics, Torun. Presented by A. Jablonski.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Ryszard, mgr

Activities of the Commission for Special Problems of the Supervisory Council of the Social Security Bureau in Poznan. Praca zabezp spol 4 no.11:72-76 N '62.

1. Przewodniczacy Rady Nadzorczej, Zaklad Ubezpieczen Spolecznych, Poznan.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Ryszard, mgr

Adversary proceedings before boards of trustees of the Social Security Bureau. Praca zabesp spol 5 no.8/9:35-39 Ag-S '63.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

CIECHOMSKI, Witold; BACZYNSKI, Tadeusz

Desalting crude oil. Wiad naft 11 no.2:38-40 F '65.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, W.

Influence of the proper organization of enterprises on the development of prime costs in the cement industry. p. 205

CEMENT WAPNO, GIPS. (Wydawnictwo "Budownictwo i Architektura") Krakow, Poland. Vol. 11, no. 9, Sept. 1955

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

Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

ACC NR: AT6033751 SOURCE CODE: PO/2541/66/010/001/0080/0087

AUTHOR: Klincewicz, Ryszard (Master engineer); Baczynski, Zbigniew (Master engineer)

ORG: none

TITLE: Initial results on the development of microinductors

SOURCE: Warsaw. Instytut Tele- i Radiotechniczny. Prace, v. 10, no. 1(34), 1966, 80-87

TOPIC TAGS: electric inductance, photochemistry, vacuum sublimation, microinductor, FERRITE

ABSTRACT: Test results of microinductors deposited on 10 x 10 x 0.8 mm ferrite plates by photochemical and vacuum evaporation processes are discussed. Each plate has an opening 1 mm in diameter in its center. The production process is illustrated in Fig. 1.

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ACC NR: AT6033751

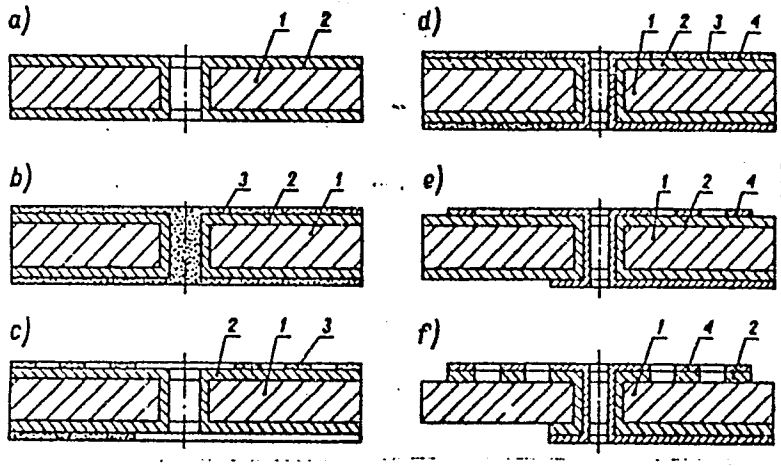

Fig. 1. Stages in the printing of an induction coil on a ferrite plate by the photochemigraphical method

a - The plate is covered with a layer of copper; b - copper-coated ferrite plate with superimposed emulsion; c - plate after irradiation and processing of light-sensitive emulsion; d - the plate covered with a zinc-lead alloy; e - the plate after dissolving the remaining emulsion; f - the plate after the etching of copper; 1 - ferrite plate; 2 - copper layer; 3 - light-sensitive emulsion; 4 - layer of zinc lead.

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ACC NR: AT6033751

Coils with conducting paths 0.2 mm wide and with a 0.2 mm interval between the paths are produced by this method. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 09/ SUBM DATE: 11Jan66/ ORIG REF: 002/ OTH REF: 003/ SOV REF: 001

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Zbigniew

Methods and results of computing a hyperboloidal shell loaded by wind pressure. Rozpr inz PAN 10 no.3:531-541 '62.

1. Zaklad Mechaniki Osrodkow Ciaglych, Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Warszawa.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Zbigniew; MAJEWSKA, Halina; ZALEWSKA, Elwira; ZEBROWSKI, Leon

Investigations on the variability of pathogenicity of Newcastle disease virus. Acta microbiol. Pol. 14 no.3/4:303-308 '65.

1. From the Laboratory of General Virology, Veterinary Research Institute, Pulawy. Submitted May 3, 1965.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Z.F.

Thermoelastic state of stresses produced by a steady temperature field in a thick circular ring-shaped plate. Bul Ac Pol tech 11 no.9:473-479 '63.

1. Department of Mechanics of Continuous Media, Institute of Fundamental Technical Problems, Polish Academy of Sciences, Warsaw. Presented by W. Nowacki.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Z.F.

Temperature stresses in a thin hyperboloidal shell. Bul Ac Pol tech 12 no. 3:149-156 '64.

1. Department of Mechanics of Continuous Media, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw. Presented by W. Nowacki.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Z.F.

The steady-state axisymmetric thermoelastic problem for an open spherical shell of arbitrary thickness. Bul Ac Pol tech 12 no.12: 853-859 '64.

1. Department of Mechanics of Continuous Media of the Institute of Basic Technical Problems of the Polish Academy of Sciences, Warsaw. Submitted August 8, 1964.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

POLAND/Cultivated Plants - Grains. Me

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44048

Author : Baczynski, Zygmunt

Inst : Plant Cultivation and Acclimatization Institute.

Title : A Report on the Experiments with Inter-Variety Corn Hybrids Conducted at the Experimental Selection Station of the Institute of Selection and Plant Acclimatization in Staroye Olesno in 1955.

Orig Pub : Biul. Inst. hodowli i aklimat. roslin, 1956, No 11, 122-148.

Abstract : Hybrids obtained from a number of experimental points were compared at Staroye Olesno. During the first year of work it was found that the best ones for silage are hybrids Velkopolianska x Lancaster and Velkopolianska x

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BACZYNSKI, Z.

AGRICULTURE

periodicals: NOWE ROLNICTWO Vol. 8, no. 1, Jan. 1959

BACZYNSKI, Z. The importance of modern methods of cultivation of maize for agricultural production. p. 28.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

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L 02205-67 EWP(w)/EWP(v)/EWP(k) IJP(c) WW/EM

ACC NR: AP6032602 SOURCE CODE: PO/0032/66/013/003/0365/0376

AUTHOR: Baczynski, Zbigniew F. (Warsaw)

ORG: none

46
B

TITLE: Thermal stress in a thin hemispheric shell 26

26

SOURCE: Archiwum budowy maszyn, v. 13, no. 3, 1966, 365-376

TOPIC TAGS: thermal stress, boundary value problem, polynomial, Legendre polynomial, thin shell structure, hemispheric shell, axisymmetric temperature field, polynomial solution

ABSTRACT: The paper is devoted to the solution of a boundary-value problem of the thermal stress theory in relation to a thin, open, spherical shell of constant thickness. An arbitrary axisymmetric temperature field was considered, with the temperature at the boundary (which is a circular conic surface) as zero. The states of stress and displacement were expressed in the general case of temperature distribution in the form of series of ordinary and Legendre polynomials with real indices. In some special cases of spherical shells and special cases of heating, closed form results can be obtained. An example of such a case is a hemi-

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

JANTEA, F., dr.; SOLOMON, E., dr.; MILOSESCU, P., dr.; BAD, D., dr.; BISTRICEANU, E.; SOIMAREANU, V., tehn.

Contribution to the study of the incidence of bacteria of the Proteus genus in the area of meat and food preparations. Microbiologia (Bucur) 8 no.1:29-37 F '63.

1. Lucrare efectuata la Catedra de igiena a alimentatiei, I.M.F., Bucuresti.

(FOOD CONTAMINATION) (MEAT)
(FOOD HANDLING) (FOOD-PROCESSING INDUSTRY)
(PROTEUS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

JANTEA, F., dr.; MILOSESCU, P., dr.; BAD, Doina, dr.; BISTRICEANU, Elena, dr.

Contribution to the investigation of the viability of salmonellae in hors d'oeuvres. Mibrociologia (Bucur.) 9 no.4:313-320 Jl-Ag '64

1. Lucrare efectuata in laboratorul de microbiologie alimentata, Catedra de igiena a alimentatiei, Institutul medico-farmaceutic, Bucuresti.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

JANTEA, F., dr.; BAD, D., dr.; SOLOMON, E., dr.; MILOSESCU, P., dr.; BISTRICEANU, E., dr.

Contribution to the study of the incidence of enterococci in meat preparations. Microbiologia (Bucur) 8 no.4:341-344 Jl-Ag '63.

1. Lucrare efectuata in Laboratorul de microbiologie alimentara, Catedra de igiena alimentara I.M.F., Bucuresti.
(FOOD CONTAMINATION) (MEAT)
(STREPTOCOCCUS FAECALIS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BAD, E. ; OLTEANU, M.; ILEA, T.

Considerations regarding rural sanitary circumscription with two physicians. p. 8. (Ocrotirea Sanatatii Im R.P.R.; Vol.7, No. 1. Jan/Mar. 1957. Bucuresti, Rumania)

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

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

JANTEA, F., dr.; MILOSESCU, P., dr.; BISTRICEANU, Elena, dr.; BAD-OPRISESCU, Doina, dr.

Incidence of B. cereus in cooked foods. Microbiologia (Bucur) 10 no.2:163-168 Mr-Ap'65.

1. Lucrare efectuata in Laboratorul de microbiologie alimentara, Catedra de igiena alimentatiei, Institutul medico-farmaceutic, Bucuresti.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

29525
S/062/61/000/011/012/012
B103/B147

15.2240

AUTHORS: Gorbunov, N. S., Shishakov, N. A., Sadikov, G. G., and Babad-Zakhryapin, A. A.

TITLE: Neutron-diffraction study of titanium carbide and nitride

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 11, 1961, 2093 - 2095

TEXT: The composition of (a) titanium carbide, and (b) titanium nitride was studied at the beginning and the end of their homogeneity ranges. The neutron-diffraction pictures were taken with a remote-control neutron diffractometer (R. P. Ozerov, S. V. Kiselev et al. Kristallografiya 5, No. 2 (1960)). It was positioned on one of the horizontal channels of the ИРТ-1000 (IRT-1000) reactor of the Institut atomnoy energii Akademii nauk SSSR (Institute of Atomic Energy of the Academy of Sciences USSR). The wavelength of the neutrons which were monochromatized by reflection from the (111) plane of a lead single crystal, was 1.06 Å. The neutrons scattered by the specimen were recorded automatically by means of an ЭПП-09 (EPP-09) in dependence on the dispersion angle. The relation of

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the intensities of the individual reflexes (Table) was determined from the relation of the areas below the integral curve of the count intensity with deduction of the background. Fig. 1 shows the neutron-diffraction pictures. They show only the reflexes satisfying the extinction condition for a face-centered cubic lattice. In such a way, the x-ray data on the symmetry of the unit cell of the compounds studied were confirmed by neutron-diffraction data. The absence of superstructure reflexes proves that the nonmetal atoms are distributed statistically in these compounds. The calculated intensity values were found on the basis of the equation: $I_{calc} \approx F^2 p(1/\sin^2\vartheta\cos\vartheta)A(\vartheta)$, where F is a structure factor; p is the recurrence factor; and $A(\vartheta)$ is the absorption factor. In the present case, $A(\vartheta)$ depends only slightly on the angle ϑ and was thus not taken into account. It has been found that the calculated intensity values of TiC, $TiC_{0.25}$, and $Ti_{0.85}N$ are in good agreement with the experimental data. In $TiC_{0.25}$ the composition of which is almost stoichiometric, the Ti atoms occupy all possible vacancies. Actually, the nonmetal atoms are in titanium carbide and

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Neutron-diffraction study of...

nitride in the octahedral holes. These holes are occupied statistically in titanium carbide which shows a deficiency of carbon. In titanium nitride, the lattice is deficient as to titanium. There are 1 figure, 1 table, and 8 references: 4 Soviet and 4 non-Soviet. The two references to English-language publications read as follows: J. Bacon, Difraktsiya neytronov (Neutron diffraction), IL, M., 1957. Tekhnika vysokikh temperatur (High-temperature Engineering), edited by I. E. Campbell, IL, M, 1959.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences USSR)

SUBMITTED: May 25, 1961

Table Experimental and calculated reflex intensities for titanium carbide and nitride.
Legend: (1) titanium nitride; (2) titanium carbide; (3) I_{exp}; (4) I_{calc} for $Ti_{0.85}N$; (5) I_{calc} for TiC.

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BADACSONYI, Tivadar

Analysis of uranium content of earth samples. Veszprem veguip egy kozl 4 no.4:289-290 '60

1. Veszpremi Vegyipari Egyetem Analitikai Kemia Tanszek.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BORLAI, Oszkar; HAZI, Endre; BADACSONYI, Tivadar

Dwelling period measurement of grains in fluidized layers by means of isotopes. Veszprem vegyip egy kozl 7 no.1: 55-60 '63.

1. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezete, Budapest-Veszprem; Veszpremi Vegyipari Egyetem Radiokemiai Tanszek.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADADZHANOV, P.

Origin of meteor streams. Izv. Otd. est.nauk AN Tadzh.SSR no.23:11-18 '57. (MIRA 11:8)

1.Stalinabadskaya astronomicheskaya observatoriya AN Tadzhikskoy SSR.

(Meteors)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADADZHANOV, S.N.; TUKHMANYANTS, A.A.

Obtaining and studying complete antigens of the liver fluke. Uzb.biol.zhur. no.5:27-33 '58. (MIRA 12:1)

1. Institut zoologii i parazitologii AN UzSSR.
(LIVER FLUKE) (ANTIGENS AND ANTIBODIES)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADADZHANOV, S.N.

Lipid metabolism in hypertension in a hot climate. Trudy Inst. kraev. eksper. med. no.5:138-141 '63. (MIRA 17:6)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAGADZE, V.V.

Designing freely supported orthotropic plates by the grid method. Soob.AN Gruz.SSR 24 no.3:265-272 Mr '60. (MIRA 13:7)

1. Akademiya nauk Gruzinskoy SSR i Tbilisskiy matematicheskiy institut im. A.M.Razmadze. Predstavleno chlenom-korrespondentom Akademii nauk Gruzinskoy SSR Sh.Ye.Mikeladze.
(Elastic plates and shells)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADMAGADZE, V.V.

Approximation of second-order elliptic differential equations by difference equations. Soob. AN Gruz. SSR 31 no. 2:263-269 Ag '63. (MIRA 17:7)

1. Akademiya nauk GruzSSR, Tbilisskiy matematicheskiy institut imeni A.M.Razmadze. Predstavleno akademikom Sh.Ye.Mikeladze.

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EWT(d) Pg-4 IJP(c)

ACCESSION NR: AR5008667 S/0044/65/000/001/B107/B107

14
B

SOURCE: Ref. zh. Matematika, Abs. 1B504

AUTHOR: Badagadze, V. V.

16

TITLE: Difference equations for second-order differential equations of elliptic type

CITED SOURCE: Tr. Tbilissk. matem. in-ta, v. 29, 1964, 307-331

TOPIC TAGS: difference equation, partial differential equation

TRANSLATION: For the differential equation

$$\frac{\partial^2 u}{\partial x^2}+\frac{\partial^2 u}{\partial y^2}+\alpha(x, y)\frac{\partial u}{\partial x}+\beta(x, y)\frac{\partial u}{\partial u}+\gamma(x, y)u=f(x,y)$$

difference equations of increased accuracy (error of order h^7-h^9) are constructed on rectangular, rhombic, triangular, and hexagonal grids.

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Card 1/1 mb

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

ACC NR: AP6018632 SOURCE CODE: UR/0208/66/006/003/0512/0520

AUTHOR: Badagadze, V. V. (Tiflis)

ORG: none

TITLE: The establishment of difference schemes for elliptic second order differential equations 16

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 6, no. 3, 1966, 512-520

TOPIC TAGS: difference method, elliptic differential equation, second order differential equation

ABSTRACT: Let the problem

$$\sum_{i=1}^{3}\left(\frac{\partial^2 u}{\partial x_i^2}+a_i(x)\frac{\partial u}{\partial x_i}\right)+\gamma(x)u=f(x),\quad x\in G; \qquad (1)$$

$$u(x)=s(x),\quad x\in S \qquad (2)$$

be solvable in the three-dimensional region G (with a boundary S) and assume that the solution is sufficiently smooth. In G, $\gamma(x) \leq 0$. The usual methods of establishment of linear difference equations yield always a solution (by iteration) whose error is of the order of $h^{\min(k-2,\,\nu)}$, where h is the step of the lattice used, and k, ν

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ACC NR: AP6018632

are the order of magnitude, relative to the lattice step, of difference equations in the interior and boundary lattice points, respectively (see, e.g., Sh. Ye. Mikeladze, Izv. AN SSSR, Ser. matem., 1941, no. 5, 57-74). The present paper discusses and establishes a method for the establishment of difference schemes for the problem Eqs. (1)-(2) yielding (with orthogonal lattices) a higher degree of accuracy than the conventional approach. The derivations are based on three newly proved theorems. Orig. art. has: 35 formulas.

SUB CODE: 12/ SUBM DATE: 21May65/ ORIG REF: 007/ OTH REF: 002

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAK, J.

On the origin of oil shales of the menilite series of the Middle Carpathians. Bul geolog PAN 12 no.3:139-141 '64.

1. Carpathian Field Station in Krakow of the Institute of Geology. Presented by A. Bolewski.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAL, J.

Balneological treatment of diskogenic disease of the cervical spine. Cesk. otolaryng. 13 no.6:354-362 N '64

1. Lecebny ustav W. Harveye ve Frantiskovych Lazniche (vedoucI doc. J. Badal).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAK, J.

Rocks as raw material in the Western Carpathian Mountains. P. 4
MATERIALY RUDOWLANE (Naczelna Organizacja Techniczna) Warszawa
Vol. 11, no. 1, Jan. 1956

SOURCE: EEAL LC Vol. 5, no. 7, July 1957

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

RADAK, J. ; GRUDZIEN, J.

The presence of bituminous shells in Zacisze near Sidra. p. 423.

PRZEGLAD GELOLGICZNY. (Wydawnictwa Gelolgiczne) Warszawa. Poland.
Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959.

Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAK, J.

Occurrence of secondary minerals in the oxidized zone of the menilite beds in the Carpathians. Bul Ac Pol chim 7 no.10:759-763 '59. (EEAI 9:6)

1. Committeeon Geological Sciences, Polish Academy of Sciences, Cracow Branch. Presented by A.Bolewski.
(Poland-- Menilite) (Carpathian Mountains)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAK, J.; SMORAGIEWICZ, W.

Upper Jurassic marly oil shale at Czarnoglow near Kamien Pomorski. Bul geolog PAN 9 no.2:73-75 '61.

1. Department of Mineralogy and Petrography, Institute of Mining and Mettalurgy, Cracow. Presented by A. Bolewski

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BOBER, Leslaw; KITA-BADAK, Maria; BADAK, Jerzy

The usability of the sandstones from the gaize beds in the region of Wieliczka. Kwartalnik geol 5 no.3:691-703 '61.

1. Karpacka Stacja Terenowa Instytutu Geologicznego.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAK, Jerzy; KUBISZ, Jan; MICHALEK, Zbigniew

Secondary minerals of the weathering zone of the Menilite series. Rocz geol Krakow 32 no.1:31-56 '62

1. Department of Mineralogy and Petrography, School of Mining and Metallurgy, Krakow.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

BADAK, Jerzy

POLAND

BADAK, Jerzy; GRUDZIEN, Julian

1. Carpathian Field Station of the Geological Institute (Karpacka Stacja Terenowa IG /Instytutu geologicznego/ (for Badak?); 2. Department of Bi-product Exploitation of I Ch PW(?) (Zaklad Wykorzystania Produktow Ubocznych IChPW)(for Grudzien?)

Warsaw, Kwartalnik geologiczny, No 3, 1963, pp 446-51.

"Characteristics of the Quaternary Bituminous Shales from Bialnin, near Rawa Mazowiecka".

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

KITA-BADAK, M.; BADAK, J.; SALDAN, M.

Remarks on the occurrence and origin of the uranium-bearing shales of the menilite series in the Middle Carpathians. Bul geolog PAN 11 no.2:71-77 '64.

1. Carpathian Field Station in Krakow of the Institute of Geology and Institute of Geology, Warsaw. Presented by A. Bolewski.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

KITA-BADAK, Maria; BADAK, Jerzy; SALDAN, Marian

Characteristics of the uranium bearing schists of the manilite series in the Central Carpathians. Kwartalnik geol 9 no.1: 137-156 '65.

1. Carpathian Field Station, Krakow, and Department of Rare and Radioactive Element Deposits of the Institute of Geology, Warsaw. Submitted March 31, 1964.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7

KEREYEV, N.I.; BADAKER, S.Ya.

Second All-Union Conference on Lowering the Incidence of and Eliminating Infectious Diseases. Zdrav. kazakh. 21 no.12:59-61 '61. (MIRA 15:3)

(COMMUNICABLE DISEASES--CONGRESSES)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920019-7"