PRZYBYLKIEWICZ, Zdzislaw; MAZUR, Wieslawa; RYBARSKA, Irena; BIELANSKA, Aleksandra.

Experimental studies on the immunizing potency of BCG vaccines with low and high counts of viable bacilli. Arch. immun. ther. exp. 12 no.2:173-181 '64

1. Department of Medical Microbiology, School of Medicine, Cracow.

MULAK, Kazimierz; BIELANSKA, Aleksandra

Results of typing Mycobacterium tuberculosis with a biological method. Gruzlica 31 no.6:707-710 Je'63.

1. Wojewodzka Przychodnia Przeciwgruzlicza, Zaklad Mikrobiologii Lekarskiej AM., Krakow.

COUNTRY	:	POLAND
CATEGORY	:	General Biology. Cytology. Animal and Human Cytology. B
ABS. JOUR.	:	RZhBiol., No. 2, 1959, No. 5020
AUTHOR	:	Bielanska-Osuchowska, Zofia
INST.	:	-
TITLE	:	Nucleic Acids in the Ovaries of a Weevil Phyllobius urticus Degeer (Coleoptera, Curculionidae).
ORIG. PUB.	:	Folia morphol., 1957, 8, No 4, 257-269

ABSTRACT : In the cytoplasm of syncytia which feed the epithelium of the ovarian tube of Ph. urticus, close to the confluence of individual nuclei, DNA [desoxyribonucleic acid] accumulations are apparent. The feeding cells contain RNA [ribonucleic acid] in considerable amounts. The amount of DNA is doubly diminished in proportion to the accumulation of RNA in the cytoplasm. A considerable increase of the amount of RNA entering from the feeding part of the ovarian

CARD: 1/2

COUNTRY : POLAND
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : tube occurs in the first period of oöcytic growth. The RNA amount is diminished in proportion to the accumulation of vitellus and fats in the oocyte. The oocyte nuclei cannot be stained according to the Feigen method during their growth period. -- From the author's summary.

CARD: 2/2

BIELANSKA-OSUCHOWSKA, Z.; ROSLANOWSKI, K. (Krakow)

Hermaphroditism in goats. Rocz nauk roln wet 70 no.1/4:327-330 '60. (EEAI 10:9)

(Goats) (Hermaphroditism)

BIELANSKA-OSUCHOWSKA, Zofia

Cytochemical research on the embryonic development of the coelenterate Cordylophora lacustris All.I.Oogenesis and vitellogenesis. Folia morphologica 12 no.1:11-18 '61.

1. Zaklad Histologii i Emgryologii, Wydzial Weterynaryjny, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.Kierownik Zakladu: prof. dr. B. Konopacka.

BIELIANSKI, A. [Bielanski, A.]; DEREN', G. [Deren, J.]; VOL'TER, M.

Properties of pure and of lithium and iron alloyed nickel oxide obtained by the decomposition of nitrates. Kin. i kat. 5 no.5: 859-860 S-O '64. (MIRA 17:12)

1. Institut fizicheskoy khimii Pol'skoy Akademii nauk, laboratoriya poverkhnostnykh yavleniy, Krakov, Pol'sha.

Bu abs.

B1-4 General Metallurgy.

Diffusion in solid metals. A. Ikeda (*Metals*, 1948, 18, 603—611; *J. Iron Steel Inst.*, 1948, 160, 291).—Reactions occurring during diffusion are reviewed and diffusion consts. and activating energy for different metals and conditions are listed.

R. B. CLARKE.

CA

The dehydration of $CuSO_4 \cdot 5H_2O$. I. J. Kamecki and A. Bielański (Acad. Mines Met., Krakow, Poland). *Bull. internat. acad. polon. sci., Classe sci. math. nat.* **1949A**, 17–28 (In English).—In addn. to the well-known penta-, tri-, and monohydrates of $CuSO_4$, Taylor and Klug (*C.A.* **30**, 7067) claimed the existence of a tetrahydrate on the basis of their interpretation of heating curves. As no other method led to the detection of the tetrahydrate, a reinvestigation was undertaken. Thermal analyses by K. and B. and others gave widely divergent results, but the discrepancy was credited to heat-conduction error. Stationary points were obtained at 95.5, 102.3, 114.8, and 252.5°, in fair agreement with the values of Taylor and Klug. The value of 95.5° was interpreted by Taylor and Klug as due to the dissocn. of the pentahydrate into water vapor and the tetrahydrate. This interpretation was not substantiated by this study. Existence of the tetrahydrate is deemed not very probable. II. *Ibid.*, 29–50. New methods were used, based on the isothermal decompn. of $CuSO_4 \cdot 5H_2O$ and on data taken by thermal analysis with the aid of a thermobalance. Plots were made of percentage decompd. substance and velocity of reaction against time. Thermal analysis data on the decompn. of $CuSO_4 \cdot 5H_2O$ showed that only about one-fifth of the first water of crystn. evapd. before the end of the first stationary point (95.5°) on the heating curve. This point is due to partial melting of $CuSO_4 \cdot 5H_2O$, rather than to evapn. of water. Les Coeur (Gmelin-Krauts *Handbuch der anorg. Chem.*, Abt. B, **25**, 1 (1931)) explained this by the assumption of an incongruent m.p. of $CuSO_4 \cdot 5H_2O$. The latter would decomp. directly into a satd. soln. and the trihydrate. Alfred J. Moses

Electric conductivity of sintered Fe_2O_3-ZnO mixtures. A. Bielański and J. Deren (Acad. Mining and Metallurgy, Kraków, Poland). *Roczniki Chem.* 28, 151–9(1954)(Eng. lish summary).—A stoichiometric mixt. of Fe_2O_3 and ZnO was sintered at temps. of 800 to 1200° and the elec. cond. was measured in the temp. range from 100 to 600°. Specimens sintered at 800° and overexhibited an initially rising cond. remaining nearly const. thereafter. Temp. and time of sintering affect the value of cond. and its dependance on temp. Further research is under way. Sylvia Nowinska

BIELANSKI, A.

The electric conductivity and catalytic activity of zinc oxide-ferric oxide mixtures. A. Bielanski, J. Deren, and J. Haber. Central Mining Met., Krakow, Poland. Bull. acad. polon. sci. Classe III, 3, No. 4, 225-7(1955); cf. C.A. 49, 11545c.

pressed between 2 ceramic plates upon which there were 2 Pt electrodes. The upper end of the quartz tube was connected to a glass bulb kept in an oil bath at 120°. An EtOH-H_2O mixt. was added dropwise to the bulb and permitted to evap. before addn. of another drop. The lower end of the quartz tube was connected to a vacuum pump through a water-cooled condenser and a freezing condenser. EtOH, H_2O, and AcH were found i the condensation products. The latter was detd. by use of hydroxylamine hydrochloride. Elec. cond. was measured by an alternating-current-bridge method (Lorenz and Kinner, C.A. 18, 3516). Before starting the reaction, the air pressure was reduced to about 1 mm. Hg. Upon introduction of the water-alc. mixt., the cond. increased sharply. The process was reversible on reintroduction of the initial ambient atm. No relation was found between initial cond. and catalytic activity. A plot of the reaction yield as a function of temp. followed very closely a plot of the differences between the log of the initial cond. and the log of the cond. at the temp. in question. A local max. was observed at 450° in both plots with a steady rise occurring above 550°. The highest reaction yields and also the highest log cond. differences were found with a 20% EtOH (by vol.) mixt. and a non-sintered catalyst. Catalytic activity decreased with increasing sintering temp.

Harry Letaw, Jr.

(2)

Catalytic activity and electrical conductivity of MgO-Cr_2O_3 mixed catalysts. A. Bielański, J. Deren, and J. Haber (School Mining Met., Kraków). *Bull. acad. polon. sci.* 3, 497-502(1955)(in English); *C.A.* 51, 6829.—The effect of the compn. of MgO-Cr_2O_3 catalysts on the yield of dehydrogenation of EtOH and on the cond. of the catalyst were reported. The log of the cond. (I) of a MgO-Cr_2O_3 catalyst (II) decreases at the start of the reaction at temps. between 350° and 500°; from 550 to 650° I decreases initially and then increases above the original value. Catalysts III contg. $4MgO.Cr_2O_3$, $3MgO.Cr_2O_3$, or $2MgO.Cr_2O_3$ showed a decrease in I at all temps. Catalysts (IV) contg. MgO-$2Cr_2O_3$, MgO-$3Cr_2O_3$, MgO-$4Cr_2O_3$, and Cr_2O_3 behaved like II. The changes in the behavior of Cr_2O_3-rich catalysts at 500° are related to a polymorphic change of the Cr_2O_3. The reaction yields with III were directly related to I; with II and IV the relation was more complicated.

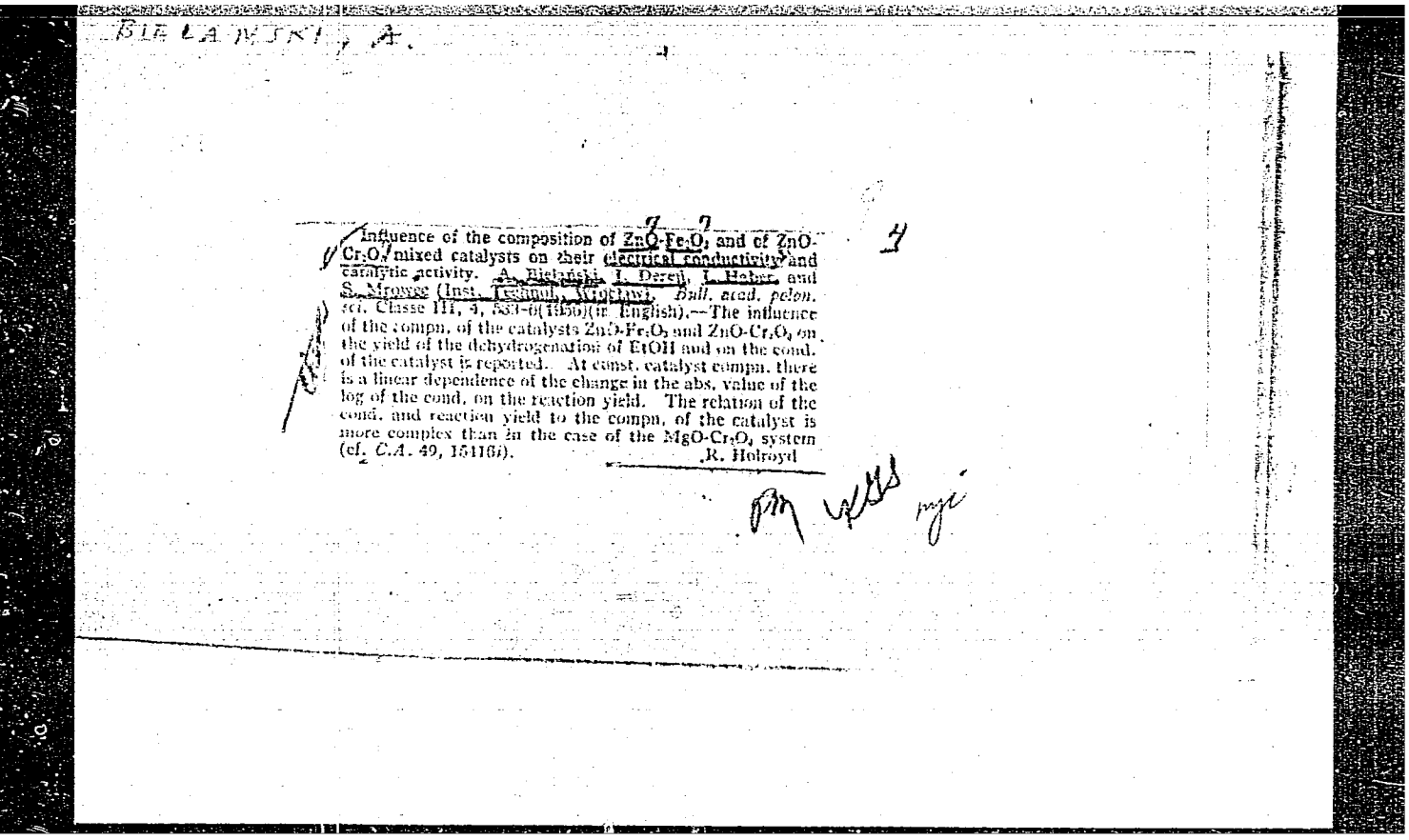
P. H. Latimer

BIELANSKI, A.

Electrical conductivity of sintered MgO-Cr_2O_3 mixtures. A. Bielański and L. Dereń (School Mining Met., Kraków, Poland). *Roczniki Chem.* 29, 1145–7 (1955).—The elec. cond. of sintered MgO-Cr_2O_3 mixts. of varying compns. were measured in the temp. range 100–800°. Some of the samples were sintered at 800–1300° for 4 hrs. prior to the measurements. Plots of log K vs. $1/T$ for 3 unsintered compns. ($MgO + Cr_2O_3$, $MgO + 4Cr_2O_3$, and $4MgO + Cr_2O_3$) are given. Curves were different for the sintered and unsintered samples. The dependence of the cond., as measured at 800°, on the compn. of the sample for sintered and unsintered samples is reported. In the temp. range 700–800° an increase of the cond. of the mixts. was observed and attributed to a reaction between the oxides. This is particularly pronounced at the compn. of $MgO + Cr_2O_3$. M. E.

Kinetics of sorption of water vapor on active aluminum oxide. Adam Bielański and Maksymilian Burk (Akad. Górniczo-Hutniczej, Kraków, Poland). *Zeszyty Nauk. Akad. Górniczo-Hutniczej, Ceram.* No. 1, 97–106(1956)(English summary).—Water vapor was adsorbed at 25 and 40° on Al_2O_3 prepd. at 450° by activation of Al hydroxide contg. Al_2O_3 and H_2O in a molar ratio of 1:2.28. Curves of amt. of H_2O vs. sq. root of time showed 3 stages of adsorption, in agreement with Rózen and Shevelev (*C.A.* 50, 645i). Diffusion in oxide micropores is discussed. Probably, at pressures higher than 4.6 mm. Hg, the surface (Volmer) diffusion predominates.

J. Stecki



BIELAŃSKI, A.

Influence of the composition of ZnO-Fe_2O_3 and of ZnO-Cr_2O_3 mixed catalysts on their electrical conductivity and catalytic activity. A. Bielański, J. Deren, J. Haber, and S. Mrowec (Inst. Technol., Kraków). *Bull. acad. polon. sci. Classe III*, 4, 431-6(1956)(in English).—The influence of the compn. of the catalysts ZnO-Fe_2O_3 and ZnO-Cr_2O_3 on the yield of the dehydrogenation of EtOH and on the cond. of the catalyst is reported. At const. catalyst compn. there is a linear dependence of the change in the abs. value of the log of the cond. on the reaction yield. The relation of the cond. and reaction yield to the compn. of the catalyst is more complex than in the case of the MgO-Cr_2O_3 system (cf. *C.A.* 49, 15116i). R. Holroyd

BIELANSKI, A.; SEDZIMIR, J.

BIELANSKI, A.; SEDZIMIR, J. Professor Julian Kamecki (1909-1955); a biography. p. 331.

Vol. 10, no. 7, July 1956
WIADOMOSCI CHEMICZNE
SCIENCE
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

POLAND/Physical Chemistry. Kinetics. Combustion. Explosions. Topochemistry. Catalysis. B

Abs Jour: Ref Zhur-Khim., No 5, 1959, 14690.

Author : Bielanski A., Deren J., Haber J., Nedonn J.
Inst :
Title : Study of the Electric Conductivity of Catalyzers Applied in the Obtaining of Acetone from Ethyl Alcohol.

Orig Pub: Przem. chem., 1956, 12, No 11, 642-647.

Abstract: The electrical conductivity of three types of multi-component catalyzers (C), applied in the obtaining of acetone from C_2H_5OH and which differ in their composition as well as in their preparation method, has been investigated. New and active C have been studied. The linear dependence between the logarithmic increment of the electric conductivity and the yield has

Card : 1/2

BIELANSKI, ADAM

POLAND/Physical Chemistry - Kinetics, Combustion, Explosions, Topochemistry, Catalysis. B-9

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 20696

Author : Adam Bielanski, Anna Sedzimir.

Inst :

Title : Some Differences and Chemical Properties of Intermediate Products of Aluminum Hydroxide Dehydration in α-Al_2O_3.

Orig Pub : Roczn. chem., 1956, 30, 995-998

Abstract : The dissolution rate in NaOH and HCl of Al_2O_3 samples prepared by calcining $Al(OH)_3$ at temperatures from 500 to 1300° in the duration from 15 minutes to 16 hours was studied. The curve of the dependence of the dissolution rate in NaOH on the dissolution rate in HCl is expressed by 3 segments of straight lines with different inclination corresponding to samples identified roentgenographically as δ-Al_2O_3 (segment 1), θ - and α-Al_2O_3 (segment 2) and

Card 1/2

BIELANSKI, A.; BURK, M.

"The influence of the temperature of activation on the properties of Al_2O_3 used as a water vapor adsorbent."

p. 1067 (Roczniki Chemii) Vol. 30, no. 4, 1956
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

BIELANSKI, A.

G-3

POLAND/Electricity - Semiconductors

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 8621

Author : Bielanski A., Deren, J., Haber, J., Wilkowa T.
Inst : University for Physical Chemistry, Polish Academy of Sciences, Poland.
Title : The Electric Conductivity of NiO Catalyst in the Course of Ethyl Alcohol Dehydrogenation.

Orig Pub : Bull. Acad. polon. sci., 1957, Cl. 3, 5, No 2, 197-202, XVII

Abstract : An investigation is made of the change in the electric conductivity (σ) of a NiO catalyst in the process of reaction of dehydrogenation of ethyl alcohol. It is shown that during the course of the reaction, σ diminishes to a certain stationary value (σ_t). It is concluded hence that in the reaction there occurs on the surface of the NiO adsorption of the donar molecules.

In the temperature region of 200 to 300°C, there exists a linear relation between the yield of the reaction and $\log(\sigma_0/\sigma_t)$ (σ_0 is the conductivity at the instant when the reagents are introduced).

Ca

Card : 1/2

POLAND / Physical Chemistry. Kinetics. Combustion. Explosions. Topochemistry. Catalysis. B

Abs Jour: Ref Zhur-Khimiya, No 17, 1958, 56793.

Author : Bielanski A, Deren J., Haber J., Wilkowa T.
Inst : Not given.
Title : The Electric Conductivity and Catalytic Activity of MgO - CdO Mixed Catalyzers.

Orig Pub: Bull. Acad. Polon. sci., 1957, CL 3, 5, No 6, 673 - 678.

Abstract: The dehydrogenation of ethyl alcohol on a mixed catalyzer CdO - MgO (ratio 1:1.7 was investigated. Electric conductivity measurements were carried out at the same time, after an initial heating in air up to 500°C. The catalyzer does not develop any variations of the electric con-

POLAND / Physical Chemistry. Kinetics. Combustion. B
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 17, 1958, 56793.

Abstract: ductivity with temperature in an interval of 100 - 500°C. The reaction yield and the variation of the conductivity logarithm ( ) under the action of the ethyl alcolhol vapor mixtures and the H_2O of the permanant composition, also, do not depend on the temperature in the interval of 200 - 300°C. According to the authors, the above facts are in full agreement with the viewpoint that, the quantity of current carriers in the catalyzer affect, before the start of reaction, the absorption equilibria established on its surface, as well as the reaction yield. The reduction of CdO and a subsequent evaporation of the metallic Cd take place at

Card 2/3

Bielański, A.

3
1-4E2c
2

1/28047* (Polish.) Investigation of the Application of Activated Alumina for Drying Gases. Badania nad aktywnym tlenkiem glinu jako środkiem do osuszania gazów. A. Bielański and M. Burk. *Przemysł Chemiczny*, v. 13, Jan. 1957, p. 35-38.

Determination of adsorption properties and regeneration capacity. Influence of grain size.

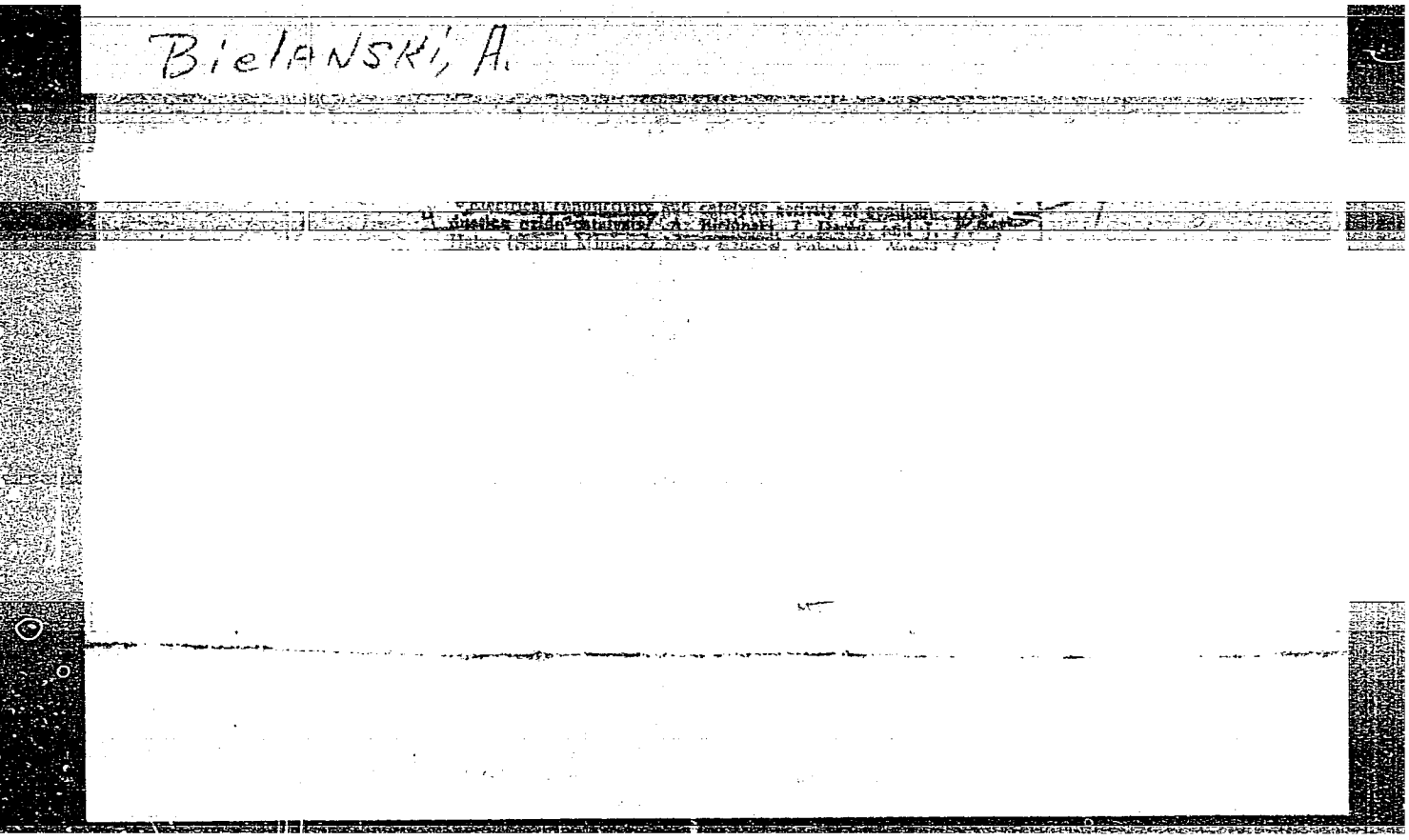
Chem

PM mtt

BIELANSKI, A.

Activated alumina as a medium for drying of gases. A. Bielański and M. Bunk (Akad. Górniczo-Hutnicza, Kraków, Poland). *Przemysł Chem.* 36, 35-9(1957)(English summary); cf. *C.A.* 51, 7799i.—B. and B. advocate the use, instead of imported silica gel, of activated alumina (I) for drying of gases. I can be manufd. in Poland. Samples of I are compared with silica gel; it was found that all samples of I adsorbed H_2O vapors better than silica gel having large pores; silica gel with narrow pores was better only in the first 100 hrs. of adsorption. Samples of I prepd. from Al nitrate and especially from $NaAlO_2$ were much superior to the samples of silica gel. All samples of I were activated at 450° for 2 hrs. and all samples of silica gel were activated at 170° for 5 hrs. I with superior adsorbent qualities was obtained from a water soln. of $NaAlO_2$ contg. 1.27% Al acidified with 60% HNO_3 to pH 7.5; the pptn. took place at room temp. The ppt. was washed with distn. H_2O, dried 1st at room temp. and then at 60° (prior to activation, as above). Thorough washing, which removes all the electrolytes adsorbed by the ppt., lowers mech. properties of I and hence must be avoided.

E. I. Hendel



POLAND / Physical Chemistry. Surface Phenomena. B-13
Adsorption. Chromatography. Ion Exchange.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 76857.

Abstract: vin equation was used to calculate the size distribution of the pores. I and II specimens show marked variation in their structure-adsorption characteristics: I (a mixture of bayerite and hydrargillite) is more extensively hydrated than II (a mixture of bemite and hydrargillite); in the initial hours I adsorbs water more rapidly than II but the total absorption of H_2O is less in the case of I than in that of II (35-40% and 55-60%, respectively). I has a greater S (220-290 m^2/gm) and a smaller predominant pore radius (25A) than II (180.230 m^2/gm and 25-55A). In the case of I the concentration of the initial solution and the temperature have little ef-

Card 3/4

COUNTRY : Poland B-6
CATEGORY :

ABS. JOUR. : RZKhim., No. 14 1959, No. 48764

AUTHOR : Bielanski, A. and Nedoma, J.
INST. : Not given
TITLE : Microscopic Investigation of the Polymorphic Transformations of Sodium Fluoroberyllate

ORIG. PUB. : Przemysl Chem, 37, No 7, 489-495 (1958)

ABSTRACT : The authors have made a microscopic study of the kinetics of the polymorphic transformations of Na_2BeF_4. The observations were made with a microscope equipped with a heating device. Na_2BeF_4 was prepared by the fusion of a mixture of NaF and $(NH_4)_2BeF_4$, taken in stoichiometric amounts. The preparations obtained were dissolved in water; rhombic crystals (C) 0.2-0.4 mm in size crystallize out of the solution. These C correspond to the gamma form which is stable

CARD: 1/2

Country : USSR
Category : Physical Chemistry - Kinetics. Combustion. Explosions. Topochemistry. Catalysis.
Abs. Jour : RZhKhim., No 13, 1959 45161

Author :
Institut. :
Title :

Orig Pub. :

Abstract : in σ and a lowering of the energy of activation of σ'. An increase in the preliminary sintering temperature T_s has little effect on σ for 500 $\leq T_s \leq$ 700°, leads to a marked decrease in σ at 750 $\leq T_s \leq$ 900°, and has no effect on σ when the T_s is increased further from 900 to 1,100°; the energy of activation of σ' remains practically unchanged when T_s is increased from 500 to 1,100°. The above results and the data obtained by the authors on the dependence of the σ of each of the two oxides and of their mixtures on the O_2 pressure at various temperatures, as well as x-ray and thermographic data and microscopic studies of the

Card: 2/3

BIELAŃCKI, A.

Chemical adsorption and catalysis on semiconductors. p. 225

KOSMOS. SERIA B: FIZYKA NIEOŻYWIONA. (Polskie Towarzystwo Przyrodników im. Kopernika) Warszawa, Poland. Vol. 8, no. 3, 1959.

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

Uncl.

Distr: 4E3d

Electric conductivity and chemisorption on nickel oxide catalyst. A. Bielański, J. Dereń, J. Haber, J. Słoczyński, and T. Wilkowa (Akad. Górniczo-Hutnicza, Kraków, Poland). *Bull. acad. polon. sci., Sér. sci., Chim., géol. et geograph.* 7, 333-8(1959)(In English).—Elec. cond., σ, of NiO catalyst was measured before and after EtOH dehydrogenation effected in a vapor stream of 20% EtOH + 80% H_2O mixt. at 10 mm. Hg and at 125-325° (*CA* 51, 14393*d*). Curves of log σ increments vs. $1/T$, where T is abs. temp., are given and discussed. The effect of H or AcH on σ was examd. The lowering of σ in the course of the reaction is due to covering of the catalyst surface by AcH. J. Stecki

7
1-BW(BIO)
1-Gof(NB)

Lab. of Surface Phenomena, Inst. of Physical Chemistry, PAN, and Dept. of Inorganic Chemistr , School of Mining & Metallurgy, Cracow. Presented by B. Kamienski.

Distr: 4E3d

The electric conductivity of NiO catalysts in the course of dehydrogenation of aliphatic alcohols. A. Bielański, J. Dereń, J. Haber, and T. Wilkowa (Akad. Górniczo-Hutnicza, Kraków, Poland). *Bull. acad. polon. sci., Sér. sci., Chim., géol. et géograph.* 7, 339–43(1959)(in English); cf. preceding abstr.—Similar expts. are reported for NiO catalyst in the course of MeOH, isoPrOH, BuOH, and *tert*-BuOH dehydrogenation at temps. in the range of 100–300°. Curves of log σ increments vs. $1/T$ and vs. vapor compn. for acetone-water and isoPrOH-water mixts., are given and discussed. L. Sterki

7
1-BW(BW)
2-JAJ(NB)(mcy)
1

BIELANSKI, Adam; BURK, Maksymilian

Research on the influence of time of calcination upon the sorption properties of aluminum hydroxide used as adsorbent for water vapor
Ceramika no.3:93-101 '59. (EEAI 9:9)

1. Katedra Chemii Nieorganicznej AGH
(Calcination) (Aluminum hydroxide) (Water)

BIELANSKI, Adam; DUCZYMINSKA, Eliza

Sorption of water vapor by dehydration products of $CoSO_4 \cdot 6H_2O$.
Ceramika no.3:103-110 '59. (EEAI 9:9)

1. Katedra Chemii Nieorganicznej AGH
(Water) (Bieberite)

Distr: 4E3d

Mechanism of the catalytic dehydrogenation of alcohols on NiO. A. Bielański, J. Dereń, and J. Haber (Akad. Górniczo-Hutnicza, Kraków, Poland). *Bull. acad. polon. sci., Sér. sci., Chim., géol. et géograph.* 7, 345-50(1959)(in English).; cf. preceding abstr.—The mechanism of dehydrogenation is discussed in terms of the reported expts. Evidence is given to support the view that the desorption of the product, ketone or aldehyde, is the rate-controlling process. I. Steeld

PHASE I BOOK EXPLOITATION SOV/3921

Akademiya nauk SSSR. Institut fizicheskoy khimii

Problemy kinetiki i kataliza. [t] 10: Fiziko-khimiya kataliza (Problems of Kinetics and Catalysis. [Vol.] 10: Physics and Physico-Chemistry of Catalysis) Moscow, Izd-vo AN SSSR, 1960. 461 p. Errata slip inserted. 2,600 copies printed.

Eds.: S.Z. Roginskiy, Corresponding Member of the Academy of Sciences USSR, and O.V. Krylov, Candidate of Chemistry; Ed. of Publishing House: A.L. Bankvitser; Tech. Ed.: G.A. Astaf'yeva.

PURPOSE: This collection of articles is addressed to physicists and chemists and to the community of scientists in general interested in recent research on the physics and physical chemistry of catalysis.

COVERAGE: The articles in this collection were read at the conference on the Physics and Physical Chemistry of Catalysis organized by the Otdel khimicheskikh nauk AN SSSR (Section of Chemical Sciences, Academy of Sciences USSR) and by the Academic Council on the problem of "the scientific bases for the selection of catalysts." The Conference was held at the Institut fizicheskoy khimii AN SSSR (Institute of Physical Chemistry of the AS USSR) in Moscow, March 25-29, 1958. Of the great volume of material presented at the conference, only papers not published elsewhere were included in this collection.

BIELANSKI, A.

reports to be presented at the 2nd Intl Congress on Catalysis, Paris, France, 4-9-Jul '60.

Poland

BARANOWSKI, B., SMIALOWSKI, M., and SZKLARSKA-SMIALOWSKA, Z. - "Properties of nickel layers electrolytically hydrogenated in the presence of poisons" (Section II)

BIELANSKI, A., DEREN, J., HABER, J., and SLOCZYNSKI, J. - "Electronic processes accompanying the catalytic dehydrogenation of alcohols on semiconducting oxide catalysts" (Section II)

BRETSZNAJDER, S. - "On the process of catalytic reaction of sulfur dioxide with acids in iron sulfate solution" (Section III)

KRAUSE, A. - "On trace catalysis" (Section II)

LIPKA, B., TRESZCZANOWICZ, E., and BUSZYNSKA, B. - "The gaseous phase transformation of a mixture of 3-picoline and 4-picoline in the presence of ammonia and air in a mixture of corresponding nitriles" (Section III)

MALINOWSKI, S., and KOBYLINSKI, T. - "Hydrogen transfer in gaseous phase between alcohols and compounds containing carbonyl groups" (Section I)

OTWINOWSKA, E., TRESZCZANOWICZ, E., and CIBOROWSKI, St. - "Studies on electric conductivity and catalytic activity of promoted zinc oxide during isopropanol dehydrogenation" (Section III)

SZNAJDER, J. - "Study of selectivity and activity of copper catalyzers in dehydrogenation reaction" (Section III)

SWINARSKI, A., and SIEDLECKI, J. - "Influence of dimensions of pores on the catalytic power of active carbon in the oxidation of sulfur hydrogen by oxygen" (Section II)

Distr: 4E3d

Electric conductivity of the NiO-catalyst during the oxidation of CO to CO_2. A. Bielański, J. Dereń, J. Haber, and J. Słoczyński (Akad. Nauk u. Hüttenwesen, Kraków, Poland). *Z. physik. Chem.* (Frankfurt) 24, 345–58(1960).—Alterations of the elec. cond. of the *p*-semiconducting NiO catalyst during the catalytic oxidn. of CO at 150–300° were examd. and the kinetics of the reaction were studied. The observed alterations of the cond. of the catalyst and the activation energy of the process depend on the compn. of the reacting CO/O_2 mixt. With an excess of O the reaction proceeds according to $CO_{gas} + {}^1/_2 O_{2\ ads.} = CO_{2\ gas}$. At O deficiency a stepwise desorption of O and adsorption of CO occurred. The kinetics of the oxidn. can be expressed in terms of the Roginskii-Zel'dovich equation (*CA* 29, 7776[1]). Friedrich Epstein

7
1-BW(BW)
1-JaJ(NB)
1

BIELAŃSKI, A

The change of electrical conductivity during the change of a mixture of magnesium oxide and chromium oxide into the spinel. A. Bielański, J. Dereń, and Z. Barutowicz (Akad. Berg- u. Hüttenwesen, Krakow, Poland). *Z. anorg. u. allgem. Chem.* 305, 169–77 (1960); cf. *CA* 52, 16111*d*. —The elec. cond. of Cr_2O_3 is dctd. over the range 100–800°. The elec. cond. of 1:1 MgO–Cr_2O_3 mixts., some of which were sintered at temps. in the 500–1300° range, is dctd. over the range 100–800°. The samples are also examd. by x-ray diffraction and by dctn. of the "free MgO" (sol. in HCl) and of the Cr(VI) present. The results are explained by the following assumptions: up to 800° the effects are due to surface changes caused chiefly by oxidn. of Cr(III) to Cr(VI) (as $MgCrO_4$); from 800° to 1000° spinel ($MgCr_2O_4$) forms rapidly, possibly by decompn. of $MgCr_2O_4$, while oxidn. of Cr(III) proceeds more slowly (complicated decompn. mechanisms and recrystn. effects may be factors here); from 1000 to 1200° the causes of the peculiar effects observed in the 800–1000° range vanish; above 1200° only $MgCr_2O_4$ is present. Richard H. Jaquith

BIELAŃSKI, Adam; HABROWSKA, Janina

Sorption of water vapor by dehydration products of $NiSO_4 \cdot 6H_2O$. Ceramika 32 no.4:97-101 '61.

1. Katedra Chemii Nieorganicznej Akademii Gorniczo-Hutniczej, Krakow.

BIELANSKI, A.; DEREN, J.; HABER, J.; WILKOWA, T.

The electroconductivity of NiO catalysts in the course of dehydrogenation of aliphatic alcohols. Bul Ac Pol chim 7 no.5:339-343 '59. (EEAI 9:9)

1. Laboratory of Surface Phenomena, Institute of Physical Chemistry, Polish Academy of Sciences and Department of Inorganic Chemistry, School of Mining and Metallurgy, Cracow. Presented by B.Kamienski.
(Nickel oxides) (Catalysts) (Electric concuctivity)
(Methanol) (Dehydrogenation) (Ethyl alcohol)
(Isopropyl alcohol) (Butyl alcohol) (Acetone)

BIELANSKI, A.

"Chemistry in the service of archeology, construction engineering, preservation of monuments" by J. Arvid Hedvall. Reviewed by A. Bielanski. Wiad chem 17 no. 4: 267-269 Ap '63.

BIELANSKI, A.; DYREK, K.; KLUZ, Z.; SLOCZYNSKI, J.; TOBIASZ, T.

The influence of doping nickel oxide catalysts with altervalent metal additives. Pt.1. Bul chim PAN [Ser. sci. chim.] 12 no.9:657-661 '64.

1. Department of Inorganic Chemistry of Jagiellonian University, Krakow, and Department of Inorganic Chemistry of the School of Mining and Metallurgy, Krakow. Submitted July 7, 1964.

BIELANSKI, A.

"Chemistry in the service of archaelogy, building engineering, and care of monuments" by J. Arvid Hedvall. Reviewed by A. Bielanski. Coll Cz Chem 28 no.11:3167 N '63.

BIELANSKI, Adam; SEDZIMIR, Anna

Studies on the physical and chemical properties of the dehydration products of bayerite and boehmite. Rocz chemii 36 no.4:575-592 '62.

1. Katedra Chemii Nieorganicznej, Akademia Gorniczo-Hutnicza, Krakow.

BIELANSKI K

G

POLAND / Electricity

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9596

Author : Bielanski, K.
Inst : Not given
Title : Method for Measuring the Loss Angle (tan δ) With the Aid of a Null Wattmeter.

Orig Pub : Zesz. nauk. Politechn. skaskiej, 1956, No, 81-83

Abstract : The author gives the principal diagram for the measurement of tan δ , in which a wattmeter is used as a null phase-sensitive instrument.

Card : 1/1

BIELANSKI, Konstanty, mgr inz.

Resistance measurements of heavy-gauge wires using alternating current. Energetyka Pol 14 no.5:149-151 My '60. (EEAI 9:10)

1. Politechnika Slaska, Katedra miernictwa Elektrycznego.
(Electric resistance)
(Electric wire)
(Electric currents, Alternating)

BIELANSKI, M.

Assembling bridge cranes in metallurgic plants.

p. 102
Vol. 21, no. 4, Apr. 1954
HUTNIK
Katowice

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

[redacted]

[redacted] vol. 1, no. 10, [redacted] 1954

[redacted]

[redacted] vol. 5, no. 19 [redacted]

BIELAWSKI, K.

The guiding principles of industrial safety and hygiene in planning the construction of steering bridges in hot-rolling mills. p. 265.

PROBLEMY PROJEKTOWE HUTNICTWA. (Biuro Projektow Przemyslu Hutniczego, Biuro Projektow Przemyslu Stalowego i Biuro Projektow Przemyslu Metalowego) Gliwice. Poland,
Vol. 8, no. 9, Sept. 1958.

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

Uncl.

BIELANSKI, Mieczyslaw, mgr., inz.

Characteristics of radiant heat and protective means against it. Wiad hutn 18 no. 2:46-50. F '62

BIELANSKY, W. Poland CA: 47:12579

with Z. EWY

Zootechnical Inst., Krakow, Poland

"Effect of estrogens on the reproductive functions of the stallion."

Acta Endocrinol. 6, 272-94 (1951) (in English).

BIELANSKI, W.

(3)

Quantitative determination of gonadotrophic hormones in the serum of pregnant mares by using the frog *Rana esculenta* L. W. Bielanski, Z. Ewy, and H. Pigoniowa (*Folia biol., Cracow*, 1953, I, 72--80).--The Galli Mainini test was found applicable to the determination of gonadotrophin in the serum of pregnant mares. The sensitivity of the frog to the hormones, as indicated by the appearance of seminal cells in the frog's urine about 3 hr. after gonadotrophin injection, varies with the time of the year and is greatest in May and smallest in August. The reduced sensitivity is attributed to the exhaustion of the male sexual organs after the breeding period. The method, which is described, is simple and gives quick and fairly reliable results. The presence of even the smallest number of spermatic cells in the urine of the frog indicates a positive reaction, which is expressed in frog units. The relation between the i.u. and the frog unit has been determined on experimental basis as: 1 frog unit = 20—22 i.u. A. STORFER

BIELANSKI, W.; EWY, Z.; PIGONIOWA, H.

Preliminary investigation of the differnces in endocrine secretion in mares fecundated by stallions or jackasses. p. 19.
FOLIA BIOLOGICA. (Panstwowe Wydawnictwo Naukowe), Warszawa. Vol. 1, nos. 2-4, 1953. Vol. 2, no. 3/4, 1954. DAFM Vol. 3, no. 1, 1955.

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

BIELANSKI, W.

BIELANSKI, W.; EWY, Z.; PIGONIOWA, H.

Variations of excretion of serum gonadotropins in pregnant mares.
Acta physiol. polon. 5 no.4:517-519 1954.

1. Z Instytutu Zootechniki w Krakowie. Dyrektor: prof. dr T.Marchlewski.

(PREGNANCY TESTS,
Galli-Mainini test in mares)

BIELAWSKI, W.

"Technique and Organization of Artificial Insemination of Domestic Animals in Hungary", P. 26, (MEDYCYNA WETERYNARYJNA, Vol. 10, No. 1, Jan. 195-. Warszawa, Poland).

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

Bielawski, Wlodzimierz

5258. Determination of protein fraction in blood serum. Wlodzimierz Bielawski *Acta biochim. polon.*, 1955, 2, 409—419 (Inst. of Physiol. Chem., Gdansk, Poland).—Total protein level in blood serum was determined by paper electrophoresis and by the biuret method after salting out with $(NH_4)_2SO_4$. The results were compared and statistically significant differences were found suggesting that the latter method does not give quantitatively accurate results (Polish) A. K. GRZYBOWSKI.

POLAND / Human and Animal Physiology (Normal and Pathological). T
Internal Secretion.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60657

Author : Bielanski, W.; Ewy, Z.; Pigoniowa, H.
Inst : Not given
Title : Difference in Endocrine Secretion in Pregnant Mares Mated with Horses and Asses

Orig Pub : Folia biol. (Warszawa), 1955, 3, No 1, 19-30

Abstract : In the course of three years, mares were mated alternately with horses and asses. In the latter case the formation of gonadotropins is lower (according to the Galli Mainini method). The difference in the gonadotropin content in the blood is dependent on the mucosa of the uterus with a simultaneously normal function of the placenta. -- D. I. Parolla

Card 1/1

BIELANSKI, W

✓3982. **Differences in endocrine secretion of mares pregnant with stallion or jack.** W. Bielański, Z. Ewy, and H. Pigoniowa *Bull. Acad. polon. Sci.*, 1955, 8, 37—39 (Central Lab., Inst. of Animal Husbandry, Cracow).—Gonadotrophins are absent in the serum of mares pregnant with an ass (jack) but are always present in mares pregnant with a stallion. The urine of pregnant mares, whether with a stallion or jack, contains œstrogenic compounds from the 94th day of pregnancy on, indicating that the placenta is unaffected by heterogeneous pregnancies. E. C. BUTTERWORTH.

BIELAWSKI, W.

Observation on ovulation processes in she-males. p.223
BULLETIN. Warsovie
Vol. 3, no. 7, 1955. In English.

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

[redacted], J.; [redacted]AL, K.; SZAFLARSKI, J.

Trichomonas bovis in the epididymis of a bull. p.249
[redacted]. Warszawie
Vol. 3, no. [redacted], 1955. In English

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

POLAND/Farm Animals. Horses. Q

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92579.

Author : Bielanski, Wladyslaw.
Inst :
Title : The Sexual Cycle in Female Mules.

Orig Pub: Folia biol. (Polska), 1956, 4, No 2, 171-193.

Abstract: The investigation of the sexual cycle in 10 female mules established the existence of a constant and regular sexual functional cycle in females of this hybrid. Large variations were observed in the duration of the sexual cycle and estrus period. The average length of the sexual cycle was 19-22 days, the average duration of estrus was 3-4 days. A histological investigation of the ovaries has shown

Card : 1/2

BIELANSKI, W.; JANOWSKI, T.; WOJTACHA, H.

The influence of air cooling power on bulls' semen quality in summer. Bul Ac Pol biol 9 no.5:215-217 '61.
(EEAI 10:9)

1. Department of Animal Hygiene, Agricultural College, Cracow and Institute of Zootechnics, Cracow. Presented by T. Konopinski.

(BULLS) (SEMEN) (REFRIGERATION AND REFRIGERATING MACHINERY)
(AIR)

BIELANSKI, Wladyslaw, prof. dr.; WIERZBOWSKI, Stefan

Attempts in determining the daily sperm production in rams on the basis of the so-called depletion tests performed at varying intervals. Zeszyty problemowe post nauk roln no.31:51-54 '61.

1. Katedra Zoohigieny, Wyzsza Szkola Rolnicza, Krakow oraz Pracownia Fizjologii Rozrodu, Instytut Zootechniki, Krakow. Kierownik: prof. dr. W. Bielanski.

BIELANSKI, Wladyslaw, prof. dr.; BRANNY, Jerzy; RATOMSKI, Aleksander, doc. dr.

Bacterial flora of the semen of rams. Zeszyty problemowe post nauk roln no.31:89-92 '61.

1. Katedra Zoohigieny, Wyższa Szkola Rolnicza, Krakow; Kierownik: prof. dr. Wl. Bielanski i Zaklad Higieny Weterynaryjnej, Krakow: kierownik: doc. dr. A. Ratomski.

BIELANSKI, Wladyslaw, prof. dr.

Some problems connected with the development of artificial insemination of farm animals. Zeszyty problemowe post nauk roln no.31:133-141 '61.

1. Katedra Zoohigieny, Wyzsza Szkola Rolnicza, Krakow i Pracownia Fizjologii Rozrodu, Instytut Zootechniki, Krakow. Kierownik: prof. dr. W. Bielanski

BIELANSKI, Wladyslaw, prof. dr.; JANOWSKI, Tomasz; WOJTACHA, Henryk

Prevention of abating of the physilogical properties of the semen of bulls during the summer season. Zeszyty problemowe post nauk roln no.31:201-204 '61.

1. Katedra Zoohigieny, Wyzsza Szkola Rolnicza, Krakow. Kierownik: prof. dr. W. Bielanski

BIELANSKI, Wl. (Krakow)

Biopsy of the testicles of stallions. Rocz nauk roln wet 70 no.1/4: 343-346 '60. (EEAI 10:9)

(Stallions) (Testicle) (Biopsy)

EWY, Z.; BIELANSKI, W.; ZAPLETAL, Z.

Influence of oxytocin on spermatozoa transport in the ductus deferens of the ram. Bul Ac Pol biol 11 no. 3:145-158 '63.

1. Department of Animal Hygiene, Agriucltural College, Krakow, and Institute of Zootechnics, Krakow. Presented by Z. Grodzinski.

BIELANSKI, W., prof. dr

Introduction. Zesz probl post nauk roln no.39:5-10 '63.

1. Chairman, Section for the Physiology and Pathology of Animal Reproduction, Polish Society for Veterinary Sciences, Warsaw.

BIELANSKI, Wladyslaw, prof. dr

International scientific congresses on artificial insemination of animals held during recent years. Zesz probl post nauk roln no.39:19-28 '63.

1. Kierownik Katedry Zoohigieny, Wyzsza Szkola Rolnicza, Krakow, i Dzialu Fizjologii Rozrodu i Unasieniania, Instytut Zootechniki, Krakow.

BIELANSKI, Wladyslaw, prof. dr

Survey of more important announcements on the physiology of animal reproduction. Zesz probl post nauk roln no.39:29-51 '63.

1. Kierownik Katedry Zoohigieny, Wyzsza Szkola Rolnicza, Krakow, i Dzialu Fizjologii Rozrodu i Sztucznego Unasieniania, Instytut Zootechniki, Krakow.

GORSKI, Marian, prof. dr. med.; LAWINSKA-STANKIEWICZOWA, Stanislawa; BIELAWSKI, Wlodzimierz

Liver function in obesity. Pol. arch. med. wewnet. 35 no.3:313-318 '65.

1. Z I Kliniki Chorob Wewnetrznych AMG (Kierownik: prof. dr. med. M. Gorski).

ZBIGNIEW BIELANSKI

POLAND/Chemical Technology. Chemical Products and Their Application. Part 2. - Ceramics. Glass. Binders. Concretes. - Binders, Concretes and Other Silicate Building Materials. H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71576.

Author : Jerzy Bolkowski, Zbigniew Bielański.
Inst :
Title : Upon the Necessity of a More Rapid Development of Plaster-of-Paris Industry in Poland.

Orig Pub: Cement. Wapno. Gips, 1958, 14, No 2, 38-41.

Abstract: The spheres of plaster-of-Paris utilization in building are described on the example of several foreign countries, in particular of USA. As far as gypsum reserves are concerned, Poland occupies

Card : 1/2

CG

BIELAS, Ignacy

Method of deep amputation; preliminary communication. Czasopismo stomat. 7 no.5:147-152 My '54.

1. Z Zakladu Stomatologii Zachowawczej Akademii Medycznej w Lodzi. Kierownik: doc. dr M.Fuchs.
(ROOT CANAL THERAPY,
*amputation, deep)

BIELAS, Ignacy

Employing prosthetic crowns in the treatment of caries in milk teeth. Czas. stomat. 18 no.2:91-96 F '65

1. Z Zakladu Stomatologii Zachowawczej Akademii Medycznej w Lodzi (Kierownik: prof. dr. M. Fuchs).

BIELAS, Ignacy

Do the manual instruments used for dental cavity preparation have only a museum-piece value today? Czas. stomat. 18 no.10: 1193-1197 O '65.

1. Z Zakladu Stomatologii Zachowawczej AM w Lodzi (Kierownik: prof. dr. M. Fuchs).

BIELAS, Ignacy

Evaluation of dental therapy by patients and its analysis.
Czas. stomat. 18 no.11:1331-1336 N ' 65.

1. Z Zakladu Stomatologii Zachowawczej AM w Lodzi (Kierownik: prof. dr. M. Fuchs).

BIELAS, Ignacy

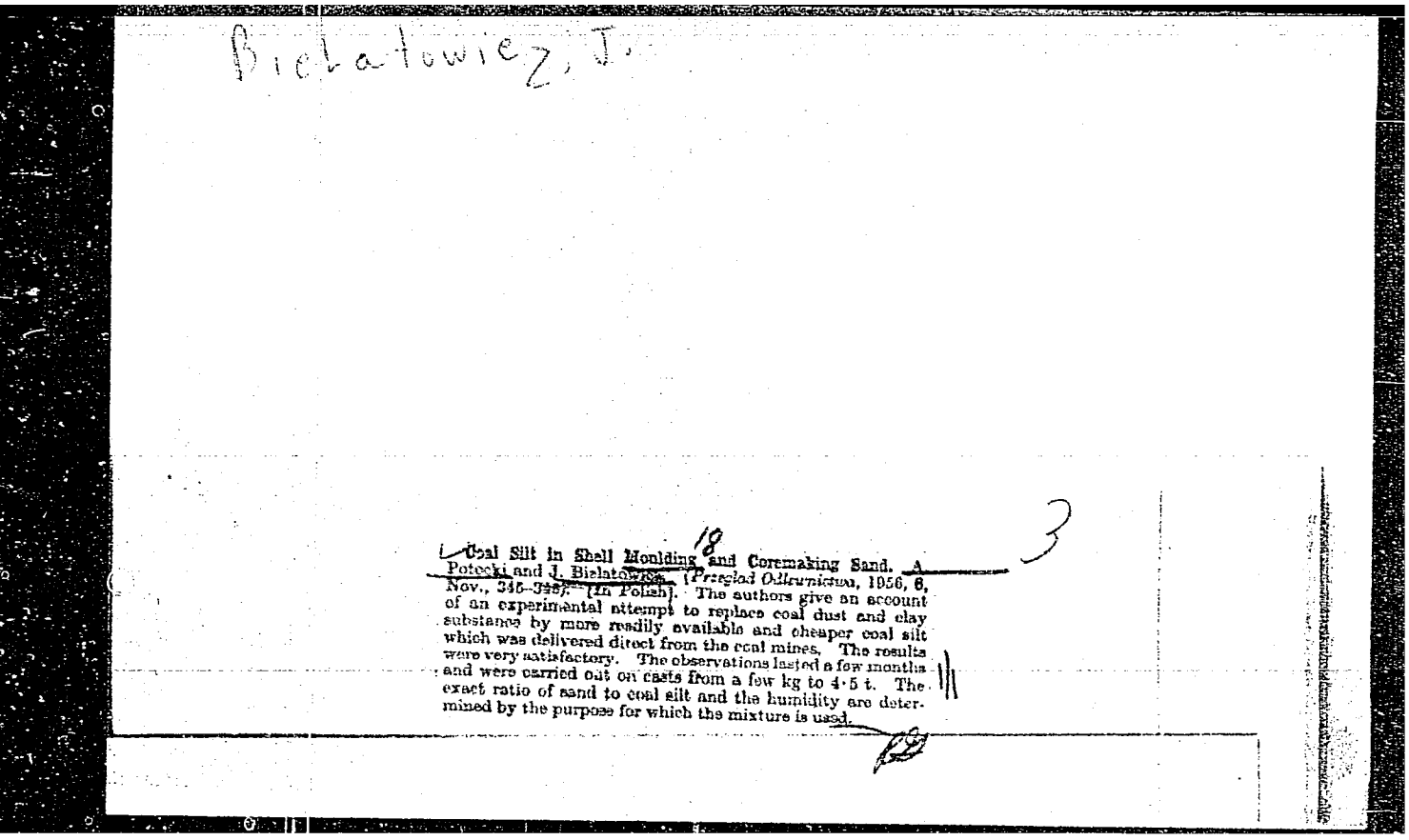
On the retentive shape of contact defects. Czas. stomat. 19 no. 1:7-8 Ja ' 66

1. Z Zakladu Stomatologii Zachowawczej AM w Lodzi (Kierownik: prof. dr. M. Fuchs).

BIELAT, J.

We should combine our care for industrial safety with the inventiveness and rationalization of workers; an opinion in the discussion on resolutions for the Congress. p. 64. (WIADOMOSCI HUTNICZE, Vol. 10, No. 3, Mar. 1954, Stalinogrod, Poland)

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



Bielatowicz, J.

18

3

Coal Silt in Shell Moulding and Coremaking Sand. A. Potocki and J. Bielatowicz. (*Przegląd Odlewniczy*, 1956, 6, Nov., 345–348). [In Polish]. The authors give an account of an experimental attempt to replace coal dust and clay substance by more readily available and cheaper coal silt which was delivered direct from the coal mines. The results were very satisfactory. The observations lasted a few months and were carried out on casts from a few kg to 4·5 t. The exact ratio of sand to coal silt and the humidity are determined by the purpose for which the mixture is used.

BIELAWA, M.

"Warzelny w fabryce farb i lakierów" (Salt extractor in a paint and lacquer factory), by M. Bielawa. Reported in New Books (Nowe Ksiazki), No. 13, July 1, 1955

BORCN, F.; BIELAWIEC M.; SAWICKI, A.

2 Cases of plasmocytic reticuloma treated with ACTH & urethane. Polski tygod. lek. 13 no.29:1125-1127 21 July 58.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Bialymstoku: kierownik: prof. dr Marian Tulczynski.

(MYELOMA, PLASMA CELL, ther.
ACTH & urethane (Pol))
(ACTH, ther. use
plasma cell myeloma, with urethane (Pol))
(URETHANE, ther. use
plasma cell myeloma, with ACTH (Pol))

BIELAWIEC, Michal (Bialystok, ul. Piwna 25, I Klinika Chorob Wewnetrznych)

Case of chronic erythroblastosis. Polskie arch. med. wewn. 29 no.3: 426-429 1959.

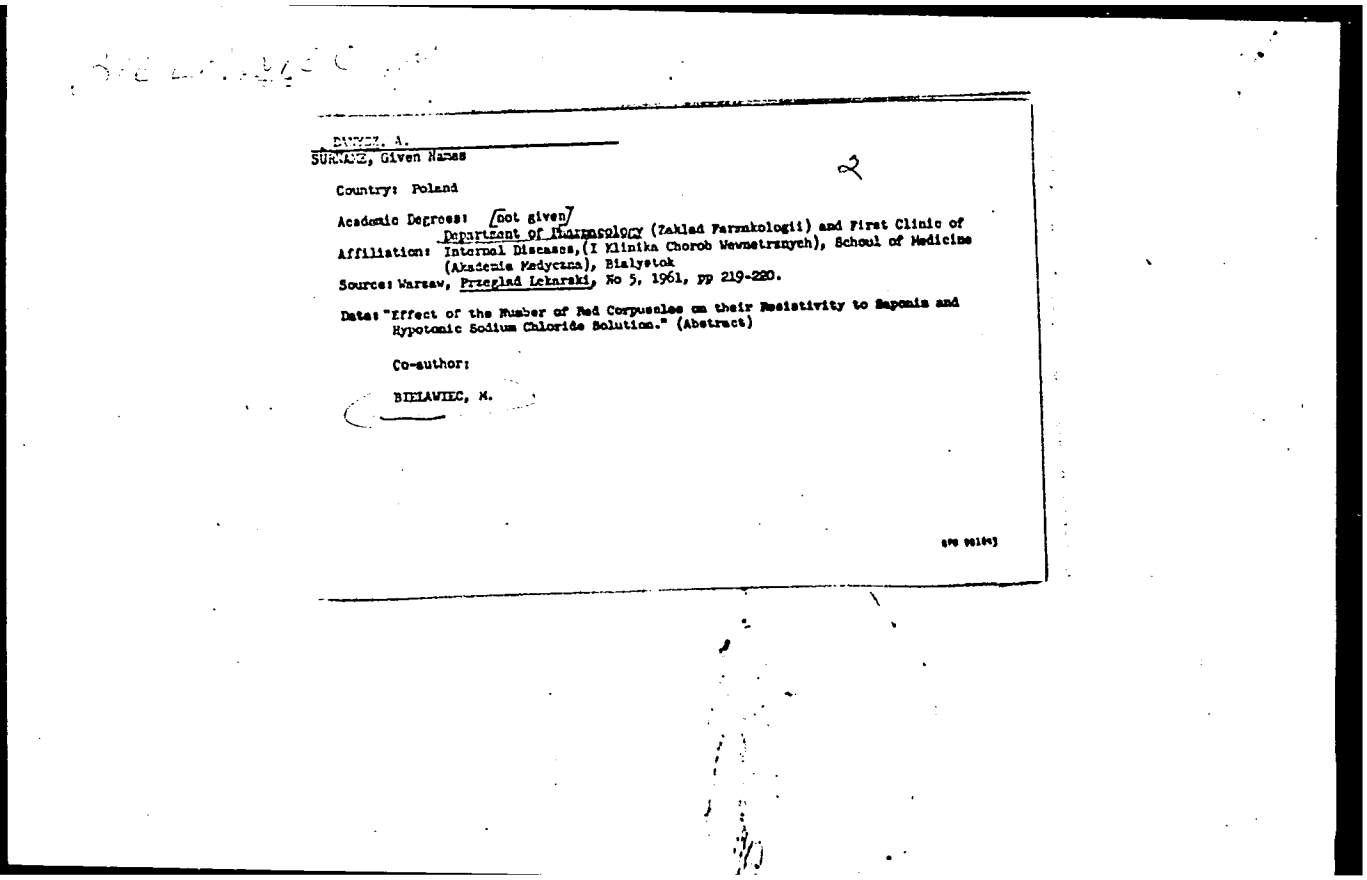
1. Z I Kliniki Chorob Wewnetrznych w Bialymstoku Kierownik: prof. or med. M. Tulczynski.
(POLYCTHEMIA VERA, case reports,
erythremic myelosis (Pol))

BIELAWIEC, Michal; KOWAL, Edmund

Effect of ACTH and cortisone on hematic changes in diseases associated with hypersplenism. Polskie arch.med.wewn. 30 no.6: 782-784 '60.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Bialymstoku P.o Kierownika Kliniki: doc dr med. W.Zankiewicz

(HYPERSPLENISM ther)
(CORTISONE therapy)
(CORTICOTROPIN therapy)



DAWEZ, A.
SURNAME, Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation: Department of Pharmacology (Zaklad Farmakologii) and First Clinic of Internal Diseases, (I Klinika Chorob Wewnetrznych), School of Medicine (Akademia Medyczna), Bialystok

Source: Warsaw, Przeglad Lekarski, No 5, 1961, pp 219-220.

Date: "Effect of the Number of Red Corpuscles on their Resistivity to Saponin and Hypotonic Sodium Chloride Solution." (Abstract)

Co-author:

BIELAWIEC, M.

BIELAWIEC, Michal
SURNAME, Given Names

Country: Poland

Academic Degrees:

(4)

Affiliation:

Source: Warsaw, Lekarz Wojskowy, Vol 36, No 5, 1961, pp. 439-444.

Data: "Effect of the Number of Red Blood Cells on Their Resistance to Saponins and Hypotonic Sodium Chloride Solutions."

Authors:
DANYSZ, Andrzej, Dr. med., Director of the Department of Pharmacology (Zaklad Farmakologii), School of Medicine (AM--Akademia Medyczna), Bialystok.
BIELAWIEC, Michal, lek med, First Clinic of Internal Diseases (I Klinika Chorob Wewnetrznych), School of Medicine (AM--Akademia Medyczna), Bialystok; Director: W. ZANKIEWICZ, Docent, Dr. med.

GPO 981643

79

BIELAWIEC, Michal; KASPRZYCKI, Konrad

A case of metastatic seminoma of the heart with circulatory insufficiency. Polski tygod. lek. 16 no.6:220-221 6 F '61.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Bialymstoku; kierownik: doc. dr med. W. Zankiewicz i z Zakladu Anatomii Patologicznej A.M. w Bialymstoku; kierownik: doc. dr med. L. Kemczynski.

(DISGERMINOMA case reports) (HEART neopl)

BIELAWIEC, Michal

On a tissue fibrinolysis activator. Postepy hig. med. dosw. 16 no.3: 531-558 '62.

1. Z Zakladu Patologii Ogolnej i Doświadczalnej AM w Bialymstoku Kierownik: prof. dr K. Buluk.
(FIBRINOLYSIS)

BULUK, Karol; BIELAWIEC, Michal

Studies on the urokinase content in urine of man and of various animals. Pol. med. wewnet. 32 no.7:773-775 '62.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej AM w Bialymskoku Kierownik: prof. dr med. K. Buluk.
(STREPTODORNASE AND STREPTOKINASE)

BIELAWIEC, Michal

Changes in the blood serum picture produced by increased fibrinolytic activity. Postepy hig.med.dosw. 17 no.6:731-736 N-D'63

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej AM w Bialymstoku (kierownik: prof.dr. K.Buluk) i z I Kliniki Chorob Wewnetrznych AM w Bialymstoku (kierownik: doc.dr. B.Bogdanikowa.)

BULUK, Karol; BIELAWIEC, Michal; MALOFIEJEW, Michal; KLENIEWSKI, Jozef.

Reversible modification of electrophoretic properties of blood proteins activated by urokinase in vitro. Postepy hig.med. dosw. 17 no.6:737-741 N-D'63.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej AM w Bialymstoku(kierownik: prof.dr.K.Buluk) z I Kliniki Chorob Wewnetrznych AM w Bialymstoku (kierownik: doc.dr.B.Bogdanikowa).

[illegible], [illegible]

[illegible]rolongation of increased fibrinolysis [illegible] activators. Pol. tyg. lek. 19 no.16:[illegible] [illegible]

[illegible] Kliniki Chorob Wewnetrznych Akademii Medycznej [illegible] (Kierownik: doc. dr. B. Bogdanikowa) i z Zakladu [illegible] Doswiadczalnej Akademii Medycznej w Bialymstoku (Kier[illegible]ik: prof. dr. K. Buluk).

BIELAWIEC, Michal; NILSSON, Inga Marie

The effect of fibrinolysis on the plasma protein pattern. Acta med. Pol. 6 no.2:241-246 '65.

1. 1st Clinic of Internal Medicine, Medical Academy, Bialystok (Director: Assoc. Prof. Dr. B. Bogdanikowa) and Department of Medicine, University of Lund, Malmö, Sweden (Director: Prof. Dr. J. Waldenström).

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205230001-8"

BIELAWIEC, Michal

The role of endogenous hyperheparinemia in hemorrhagic diathesis. Pol. tyg. lek. 20 no. 13:457-458 29 Mr '65

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Bialymstoku (Kierownik: doc. dr. Beata Bogdanikowa).

MOSTOWSKI, J.; BIELAWKA, S.

Granulocytolysis in the serum of cancer patients. Przegl. lek., Krakow 8 no.7:209-210 1952. (CLML 23:4)

1. Of the Third Internal Clinic (Head--Prof. J. Aleksandrowicz, M.D.) of Krakow Medical Academy.

BIELAWSKA, H.

Cytogenetic relationships between lowland and montane species of Campanula rotundifolia L. group. Pt.1. Acta soc botan Pol 33 no.1:15-44 '64

1. Department of General Genetics, Polish Academy of Sciences, Warsaw.

WISNIEWSKI, Wladyslaw; JABLONSKI, Stefan; BIELAWSKA, Wieslawa; JANOWICZ, Alina

Determination of the content of ethereal oils in some galenic preparations in alcohol. Acta pol. pharm. 20 no.2:181-184 '63.

1. Z Zakladu Farmacji Stosowanej Akademii Medycznej w Warszawie Kierownik: prof. dr Wl. Wisniewski.
(OILS, VOLATILE) (CHEMISTRY, PHARMACEUTICAL)
(ALCOHOL, ETHYL)

Foundry Practice

S

Briquetting of Cast Iron Turnings. A. M. Birlawski and M. J. Kornitsain. (*Litejnoje Proizvodstvo*, 1951, No. 4, *Przeglad Odlewniczy*, 1951, I, Nov. 324 325). [In Polish] Briquetting of cast-iron turnings and their melting in a cupola are described. v. o.

COUNTRY : Poland G-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 20 1959, No. 71439

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : of 0.05 mole NaOH in 25 ml water to a suspension of 0.025 mole III and 0.025 mole II in 50 ml H_2O and by keeping the above mixture for 3 hours at 30°. Similarly, K salt of I was prepared. Into a suspension of 0.025 mole II in 46 ml of a 0.05 molar solution of LiOH were added over 30 minutes (30°), 0.026 moles of Br_2. After 4 hours at 30° and recrystallization of the residue from water at 35°C di-hydro Li-salt of I (V) was isolated (67% yield). V may be also obtained from a mixture of II and III and LiOH(by analogy

CARD: 3/5

COUNTRY : Poland G-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 20 1959, No. 71439

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : with IV). Into a hot solution of 0.019 mole I in aq. KOH was added a suspension of 0.8 g $Ca(OH)_2$ in 15 ml of water. The residue was separated and mixed with a suspension of 0.8 g $Ca(OH)_2$ in 42 ml of H_2O and after 1 hour 0.02 moles Br_2 were added (30-35°). After 3 hours 5 g of Ca-salt of I were separated. The above salt may be obtained from II, III and CaO (3 hours, 35-40°) or from the reaction between $CaCl_2$ or $Ca(OH)_2$ and IV at 50°. In a similar manner, upon the addition of an aq. solution

CARD: 4/5