

BALBYSHEV, I.N. (Pushkin, Leningradskaya obl.)

On the Vuoksa River. Priroda 52 no.9:127-128 '63. (MIRA 16:11)

1. Deystvitel'nyy chlen Geograficheskogo obshchestva SSSR.

~~SECRET~~
NEVEN JELAVIS; DUSAN BALC

Congenital absence of the uterus associated with vaginal atresia and Klippel-Feil syndrome. Radovi Med. fak. Zagrebu 1:61-64 1957.

1. Iz Zavoda za patolosku fiziologiju Medicinskog fakulteta u Zagrebu (v. D. predatojnik: dr. P. Sokolio) i Klinike zaenske bolesti i porode Medicinskog fakulteta u Zagrebu (predatojnik: prof. dr. S. Vidakovic).

(SPINE, abnormalities,

Klippel-Feil synd. with uterine agenesis & vaginal atresia (Ser))

(UTERUS, abnormalities,

agenesis with Klippel-Feil synd. & vaginal atresia (Ser))

(VAGINA, abnormalities,

atresia with uterine agenesis & Klippel-Feil synd. (Ser))

BUTUCESCU, D., ing.; ZATREANU, A., ing.; TENTULESCU, D., ing.; RUSU, L.,
ing.; BALCANY, A., chimist; BOLCHI, F., ing.

Improvement of the quality of the Aghires sands for utilization
in the glass industry. Rev min 15 no.11:576-581 N '64.

V

TOCKSTEIN, A.; PECKA, R.; BALCAR, B.; SAGNER, P.

On the oxidation of 1-p-tolylaminonaphthalene-8-sulfonic acid. Pts 1-2. Coll Cz Chem 28 no. 11:3030-3056 N'63.

1. Institut für physikalische Chemie, Technische Hochschule für Chemie, Pardubice.

BALCAR, Cest: ir, inz.

Development of machinery for making mechanical wood pulp
from chips. Papir a celuloza 19 no. 1:21-25 Ja '64.

1. Vyzkumny ustav papiru a celulosy, pracoviste Praha.

BALCAR, Elzbieta

Quantitative determination of chromatographically separated leaf-glycosides of *Digitalis Purpurea* using 3,5- dinitrobenzoic acid. *Biuletyn Ziel leczn* 7 no.2:167-174 Je '61.

1. Zaklad Hodowli Roslin Leczniczych, Instytut Przemyslu Zielarskiego, Poznan. Kierownik: doc. dr. E. Pawelcayk.

BALCAR, Elzbieta; PAWELCZYK, Ewaryst

Content of cardiac glycosides in leaves of *Digitalis purpurea* L.
of various age. Inst przem ziel Biul 8 no.1/2:24-34 Mrze '62.

1. Zaklad Hodowli Roslin Leczniczych, Instytut Przemyslu
Zielarskiego, Poznan. Kierownik Zakladu: W.Czabajka.

BALCAR, Elzbieta; KOZLOWSKI, Jan, dr

The influence of the storage period upon the volatile oil content in several pharmacopoeial raw materials. Inst przem siel Biul 8 no.1/2:44-52 Mr-Je '62.

1. Zaklad Hodowli Roslin Leczniczych Instytutu Przemyslu Zielarskiego w Poznaniu, kierownik: mgr W.Czabajka, i Zaklad Botaniki Stosowanej Instytutu Przemyslu Zielarskiego w Poznaniu, kierownik: dr J.Kozlowski.

BALCAR, Elsbietta; ZALECKA, Maria

Determination of the solasodine content in leaves of nightshade
Solanum aviculare Forst. and *Solanum laciniatum* Ait. Inst przem
ziel Biul 8 no.3:90-97 S '62.

1. Zaklad Hodowli Roslin Leczniczych, Instytut Przemyslu
Zielarskiego, Poznan. Kierownik: mgr W.Csabajka.

BALCAR, Frantisek

Industrial safety in communication services. Cs spoje 7
no.6:9-10 Je '62.

1. Ministerstvo dopravy a spoju.

BALCAR, J.

"Fertilizers for cigarette tobacco." (p. 409). ZA SOCIALISTICKE ZEMEDELSTVI
(Ministerstvo zemelskychved) Praha, Vol 4, No 8, Apr 1954

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

STORCH, Zdenek, ins.; BALCAR, Jan, promovany ekonom

Use of mathematical methods for planning the relations between machine industry branches. Pod org 17 no.4:152-155 Ap '63.

1. Technicko-organizačni výzkumný ústav strojírenský.

BALCAR, Lumir

New design of insoles. Kozarstvi 14 no. 2: 36-39 F '64.

1. Svit, n.p., Gottwaldov.

BALCAR, C.

Use of resistance tensionometers in ceramics for electrical engineering. p. 288.

ELEKTROTECHNIK. Vol. 11, no. 9, Sept. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEL) Library of
Congress, Vol. 6, No. 1, January 1957

15(2), 28(5)

CZ/13-60-1-9/26

AUTHOR: Balcar, Oldřich, Engineer

TITLE: Injection Casting of Ceramics Under Hot Conditions

PERIODICAL: Sklář a Keramik, 1960, Nr 1, pp 15 - 16 (CSR)

ABSTRACT: This article is a resume on new methods considered suitable to simplify the process of injection casting of ceramic objects; a procedure whose application in the production of fine ceramics for technical purposes is increasing. The author stresses two basic principles which must be observed in injection casting: 1) when molding the product, the molding capacity of thermoplastic cement must be fully utilized; the warm, liquid substance is injected into the metal mold where it is being left to cool. 2) Removal of the binding cement is made possible by the absorbing capacity of anorganic materials while maintaining the respective mechanical strengths. The author describes and explains two casting machines: the pneumatically operated casting machine, type LPG 1 and the mechanically operated machine, type LTR. Finally, the most advantageous

Card 1/2

Injection Casting of Ceramics Under Hot Conditions

CZ/13-60-1-9/26

methods of binding cement removal by heat (80°C - $1,050^{\circ}\text{C}$) are described.

There are: 4 photographs and 1 Soviet reference.

ASSOCIATION: Výzkumný ústav elektrotechnické keramiky, Hradec Králové (Research
Institute for Electro-Technical Ceramics in Hradec Králové

Card 2/2

Z/013/62/000/004/002/006
D006/D102

AUTHOR: Balcar, Oldřich, Engineer

TITLE: Application of the injection-casting technology to the production of fine industrial ceramics

PERIODICAL: Sklař a keramik, no. 4, 1962, 130-132

TEXT: The principle, equipment and advantages of injection-casting technology of fine industrial ceramics, as proposed by P. O. Gribovskyy (Goryacheye lit'ye keramicheskikh izdeliy /Hot Casting of Ceramic Wares/, Gosenergoizdat 1956), are presented. In Czechoslovakia, this technology is rapidly expanding using the LPG 1 injection casting equipment. The technology consists of preparing mixtures of powdered ceramic material (80-92%) with thermoplastic resins (polystyrene) or hard waxes (paraffin, stearin, wax) and their combinations. The mixture is heated and pressure-injected into steel molds. Castings are then heat-treated and fired, losing the binder by evaporation and distillation. High dimensional tolerances and surface qualities are obtained requiring minimum finishing operations. A rough economical evaluation indicates that although the casting mixture costs about eight times more than that for plaster-mold casting, overall savings of about 52% are realized due to very low molding and finishing costs. Injection

Card 1/2

Application of the injection-casting ...

Z/013/62/000/004/002/006
D006/D102

casting is especially suitable for large-batch production of small items. Furthermore, new, nonplastic materials can be used. Use of vacuum during mixing to eliminate air bubbles makes this technology suitable for ceramic capacitor production. Green castings can be joined by adhesives, thus making possible production of complex shapes from simple components. There are 10 figures and 1 table. ✓

ASSOCIATION: Výzkumný ústav elektrotechnické keramiky (Research Institute of Electroceramics), Hradec Králové

Card 2/2

ADAM, Miloslav, inz. CSc.; Polak, Vlastimil; ONT-20, Klynok, inz. CSc.

Some thermophysical properties of food products. From
patron 15; Suppl. no. 9: 1-8 1964.

BALCAR, W.

"The use of glass as a construction material in Czechoslovakia", p. 37 (Szklo I Ceramika. Vol. 4, no. 2, Feb. 1953, Warsaw)

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

BALCAR, V.

Water pipes made of glass. p.5. (Technicke Noviny, Praha, Vol 2, No. 20, Oct 1954)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, No. 6, June 1955, Uncl

BALCAR, VOJTSEH.

Sklenene vodovodni potrubí. (Vyd. 1.) Praha, Státní n. kl. technické literatury, 1955. 65p. (Glass pipes for the water-supply system. 1st ed. illus., bibl.)

SOURCE: East European Accessions List. (EEAL) Library of Congress. Vol. 5, No.8, August 1956.

Balcar, V.

Balcar, V. Future outlook in technical glass production. p. 43.

Vol. 7, no. 2, Feb. 1957

SKLAR A KERAMIK

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

CZECHOSLOVAKIA/Chemical Technology. Chemical Products H
an' Their Uses. Part II. Ceramics, Glass,
Binding Materials. Concrete.

Abs Jour : Ref Zhur-Khimiya, No 15, 1953, 51075

Author : Balcar, Vojtech
Inst : -
Title : Glass Waterpipes.

Orig Pub : Sklar a keramik, 1957, 7, No 7, 205-203

Abstract : No abstract.

Card : 1/1

38

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Part 2. - Ceramics. Glass.
Binders. Concretes! - Glass.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71551.

Author : Vojtěch Balcar.

Inst :

Title : Technico-Economical Evaluation of Industrial Glass.

Orig Pub: ¹⁴Sklar a keramik, 1958, 8, No 2, 38-42.

Abstract: Industrial glass can substitute metals in many cases, especially in piping. For example, in comparison with cast iron pipes, glass pipes (GP) are by 65% lighter, they require by 43% less fuel for their production, by 35% less energy and by 57% less wages; the work productivity at GP manufacturing is by 430% higher

Card : 1/4

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Part 2. - Ceramics. Glass.
Binders. Concretes. - Glass.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71551.

than at the cast iron pipe manufacturing. A comparison of GP-s with cast iron ones from the point of view of economical and technical properties and technological peculiarities is presented. GP-s surpass the metallic by resistivity to corrosion, wall smoothness, little weight, they make it possible to observe the flow of liquids and their state through their walls. 330 kg of piping is made of 1 ton of metal, the rest is lost as casting conduits, risers, shavings and other wastes; about 700 kg of GP-s is made of 1 ton of glass mass. The costs of GP-s including fittings and erection is by 9% higher than that of

Card : 2/4

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Part 2. - Ceramics. Glass.
Binders. Concretes. - Glass.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71551.

cast iron pipes of the same diameter, but on the other hand, their stability in exploitation is 5 times greater in consequence of the absence of corrosion, which guarantees a decrease of exploitation expenses to less than a third. The resistance of GP-s to liquids flowing through them is by 41% less in comparison with old cast iron pipes, by 22% less in comparison with new cast iron pipes and by 6.5% less in comparison with steel pipes; in consequence of the above, a GP piping may be 20% less in the diameter and have the same capacity. An exchange of 100 km of

Card : 3/4

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Part 2. - Ceramics. Glass.
Binders. Concretes. - Glass.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71551.

cast iron pipes of 100 mm in diameter with GP-s
saves 2400 tons of cast iron, and an exchange of
steel pipes saves 725 tons of steel.

Card : 4/4

57

COUNTRY : Czechoslovakia
 CATEGORY : H-13
 ABS. JOUR. : A.Khiz., No. 16 1959, No. 57868
 AUTHOR : Sulcar, V.
 INST. : Not given
 TITLE : Articles Made from Quartz Glass
 ORIG. PUB. : Sklar a keramik, 8, No 12, 356-360 (1958)
 ABSTRACT : The author lists the physicomachanical, chemical, dielectric, and optical properties of quartz glass and methods for its manufacture. Extensive opportunities for the application of quartz glass in the production of crucibles, muffle furnaces, baths, tanks, crystallizers, insulating fibers, parts for measuring, heating, and electrical apparatus in slabs, blocks, mercury lamps, lenses, and lenses for astronomic instruments are noted. The bibliography lists 4 titles.
 L. Sedov

CARD: 1/1

BALCAR, V.

Glass, an important construction material. Tech prace 14
no.7:545-547 J1 '62.

sian references. (Ms. rec. Sep 65).

KRCH, Vaclav; ERBEN, Josef; GROH, Jindrich; BARTOS, Vladimir; KVASNICKA, Jiri; BALCAR, Zdenek

The course of hemodialysis in elderly patients with acute renal failure. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:397-408 '64.

1. I. interni klinika (prednosta: prof. MUDr. F. Cernik), Karlovy University v Hradci Kralove.

BALCAR-BOROWIOWA, Anna; KOSTOLOWSKI, R.

Otitis media in infancy from the point of view of the pediatrician and laryngologist. *Pediat. polska* 33 no.1:21-30 Jan 58.

1. Z II Kliniki Chorob Dzieciacych A.M. we Wroclawiu. Kierowniki prof. dr me. M. Wiersbowska. Adres: Wroclaw, ul. Curie-Sklodowskiej 50/52 II Klinika Chor. Dziec.

(OTITIS MEDIA, in inf. & child;
diag. & surg. (Pol))

BALCAR-BORON, Anna

A case of acute brucellosis. *Pediat, polska* 35 no.4:447-448
Ap '60.

1. Z II Kliniki Pediatricznej A.M. we Wrocławiu, Kierownik:
prof. dr med. M. Wiersbowska.
(BRUCELLOSIS in inf. & child)

BALCAR-BORON, Anna; OSTROWSKA-SKORA, Janina

Behavior of prothrombin in the blood serum in children with lipid nephrosis. Polski tygod. lek. 17 no.26:1027-1028 25 Je 1962.

1. Z II Kliniki Dziecięcej AM we Wrocławiu; kierownik: prof. dr Maria Wiersbowska.

(PROTHROMBIN)

(NEPHROTIC SYNDROME blood)

BALCAR-BORON, Anna; OSTROWSKA-SKORA, Janina

Fibrinolysis of serum agglutinins in lipoid nephrosis in children.
Pol. tyg. lek. 17 no.27:1061-1063 2 J1 '62.

1. Z II Kliniki Dzieciat AM we Wroclawiu; kierownik: prof. dr. med.
Maria Wierzbowska.
(SERUM GLOBULIN) (FIBRINOLYSIS) (NEPHROID LIPOID)

BALCAR-BORON, Anna; BOGUSLAWSKA-JAWORSKA, Janina; HEIMRATH, Zofia;
KUTARBA-PIETRAS, Urszula

On the treatment of fulminating purpura and of associated
syndromes in the light of our observations. *Pediat. pol.* 98
no.10:905-910 0 '63.

1. Z II Kliniki Pediatricznej AM we Wrocławiu Kierownik: prof.
dr M. Wiersbowska.

(PURPURA) (EXCHANGE TRANSFUSION)
(ANTIBIOTICS) (ANTIHISTAMINICS)
(PARA-AMINOBENZOIC ACID)

BALCAR-BORON, Anna; BOGUSLAWSKA-JAWORSKA, Janina; JANIAKOWA, Alina.

Biochemical characteristics of shock in fulminant purpura and
their regression under the influence of therapy. Pol. tyg. lek.
19 no.22:837-840 25 My'64

1. Z II Kliniki Podyatrycznej Akademii Medycznej we Wroclawiu
(kierownik: prof. dr. M. Wiersbowska [deceased] i z III
Kliniki Chorob Wewnetrznych Akademii Medycznej we Wroclawiu
(kierownik: prof. dr. E. Szczeklik).

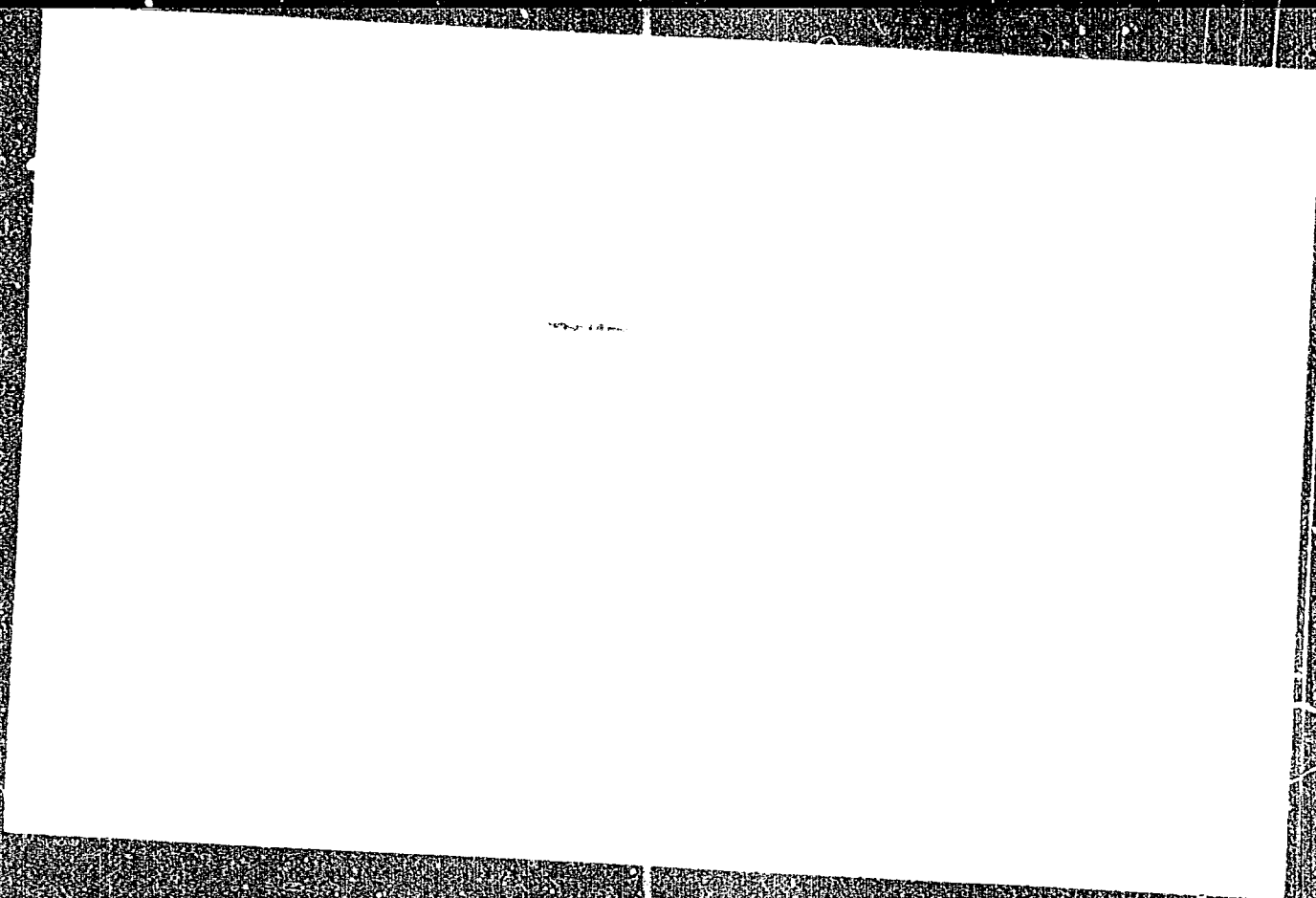
MEJBAUM-KATZENELLENBOGEN, Wanda; BALCAR-DORON, Anna

Glycoproteins in the blood serum and urine of healthy children and in rheumatic fever. Pol. tygod. lek. 20 no.35:1307-1309 30 Ag '65.

1. Z Zakładu Chemii Fizjologicznej Wydziału Farmacji AM we Wrocławiu (Kierownik: prof. dr. med. Wanda Mejbaum-Katzenellenbogen) i z II Kliniki Pediatricznej AM we Wrocławiu (Kierownik: prof. dr. med. Maria Wierzbowska [deceased]).

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103



APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103

BALCAREK, F.

Experiences with treatment of diseases of the uropoietic tract
in Turcianske Teplice. Fysiat. vestn. 43 no.1:26-30 F '65

1. Statne kupale Turcianske Teplice.

CZECHOSLOVAKIA/Cultivated Plants. Potatoes, Vegetables, Melons. M

Abs Jour: Ref Zhur-Diol., No 17, 1958, 77704.

Author : Dalcarek, J.

Inst :

Title : Shortcomings in the Cultivation of Psalliota Can-
pestris.

Orig Pub: Mykol. sbor., 1957, 34, No 1-2, 16-19.

Abstract: No abstract.

Card : 1/1

LANGMAJER, Josef; WOKKOVA, Olga; DOLEK, Jiri; BALCAREK, Josef; JELINEK, Frantisek;
JOR, Josef, dr.; KINDL, Vlastislav

Further prospects of enterprise technical schools and enterprise
institutes. Prum potravin 16 no.2;Suppl:1-32 F '65.

1. Ministry of Food Industry, Prague (for Langmajer, Dolek and Kindl).
2. Department of Food Industry of the Slovak National Council, Bratislava (for Wokkova).
3. Education Department of the South Moravia Regional People's Committee, Brno (for Balcarek).
4. Regional Pedagogic Institute, Prague (for Jelinek).
5. Enterprise Institute of the Mlýny a testárny National Enterprise, Pardubice (for Jor).

ACC NR: AP6031471 SOURCE CODE: CZ/0008/66/000/003/0334/0340
 AUTHOR: Tardon, Stanislav; Balcarkova, Marta 36
 ORG: Coal Institute for Research and Science, Ostrava - Radvanice (Vedecko-vyskumny uhelny ustav)
 TITLE: Determination of ²¹magnesium in coal by atomic absorption ¹⁹spectrophotometry
 SOURCE: Chemické listy, no. 3, 1966, 334-340
 TOPIC TAGS: spectrophotometry, magnesium, coal
 ABSTRACT: The method allows the determination of Mg in coal in the presence of elements that would normally interfere with the determination. Even in the presence of Al it is possible to make the determination, without separation; 8-hydroxyquinoline is used to eliminate the influence of the interfering metals. The use of organic solvents, namely acetone, increases the sensitivity of the method; 0.05 micrograms of Mg in 1 ml can be determined. The method is fast and accurate. Orig. art. has: 6 figures and 1 table. [JPRS: 36,002]
 SUB CODE: 07, 08 / SUBM DATE: 12Mar65 / ORIG REF: 003 / SOV REF: 006
 OTH REF: 032

Cord 1/1 *ldh*

0918 2751

BALCAROVA, A.; HANOUSEK, J.

Importance and determination of the relative humidity of food in selecting wrapping materials. p. 186. (Prumysl Potravin, Vol. 8, No. 4, 1957, Praha, Czechoslovakia)

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

BALCAROVA, O.; ERBAN, L.; PICKO, V.

Blood changes in experimental animals exposed to the effect of
infraradiators. Cesk. hyg. 8 no.1:7-15 P '63.

1. Ustav pro doskolovani lekaru, Praha. -- Ustav hygieny, Praha.
(ERYTHROCYTE COUNT) (LEUKOCYTOSIS) (PHAGOCYTOSIS)
(SERUM ALBUMIN) (SERUM GLOBULIN) (INFRARED RAYS)
(BLOOD CELL COUNT).

BALCAROVA, O.

CSOR

Institute for Graduate Medicine (Ustav pro doskolovani lekaru), Prague
Prague, Ceskoslovenska hygiena, No 2, 1963, pp 113-122.

"Radiation Heat and Man"

(1)

BALCAROWIA, Elzbieta

Determination of the scopolamine and atropine content in the leaves of *Datura* Sp. by the use of bromothymol blue. Inst przem ziel Biul 9 no.1/2: ~~21-31~~ 1963.

1. Zaklad Hodowli Roslin leczniczych, Instytut Przemyslu Zielarskiego, Poznan. Kierownik: mgr W. Czabajska.

BALCAROWNA, Elzbieta

Evaluation of the usefulness of the Trabert method for the determination of scopolamine and atropine in plant material. Inst przem ziel Biul 9 no.1/2:32-36 ~~Re~~Je '63.

1. Zaklad Hodowli Roslin leczniczych, Instytut Przemyslu Zielarskiego, Poznan. Kierownik, mgr W. Czabajka.

BALCAROWNA, Elzbieta

Separation of lupanine from Thermopsis fabacea D.C.
Inst przem ziel Biul 9 no.1/2:73-74 Mr-Je '63.

1. Zaklad Hodowli Roslin Leczniczych, Instytut Przemyslu
Zielarskiego, Poznan. Kierownik: mgr W. Czabajka.

BALZER, Fr.

Accidents in telecommunication services. Cs spoje 8 no.3:
29-30 Je '63.

1. Inspektor, AP Vstredni sprava spoju.

BALCER, N.

Techno-organizational operations on the building site.

p. 14 (Budownictwo Przemyslowe) Vol. 4, no. 5, May, 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

CHMIELEWSKI, Włodzimierz; BALCERAK, Wiesław

Anemia in hypothyroidism. Wiad. lek. 18 nr.9:737-741 1 My '65.

1. Z Oddziału Chorob Wewnętrznych Szpitala Wojskowego w Toruniu.

BALCERSKI, W.

BALCERSKI, W. Achievements and developing of hydraulic engineering in the Soviet Union. p. 393. GOSPODARKA WODNA. Warszawa, Poland. Vol. 15, No. 10, Oct., 1955.

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

"Planning Polish Water Resources," by Wacław Balcerski. Nauka Polska, Polish Academy of Sciences, Warsaw, 4th Year, No. 1(13), 1956. Published from the Polish Academy of Sciences, Committee for Water Economy.

BALCERSKI, W. TADEUSZ TILLINGER;

BALCERSKI, W. TADEUSZ TILLINGER; An obituary. p.145

Vol. 3, no. 2, 1956
ARCHIWUM HYDROTECHNIKI
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, Feb. 1957

BALCERSKI, W.

Origin of the prospective plan of management in Poland and the method of its elaboration. p. 131. GOSPODARKA WODNA, Warszawa. Vol. 16, no. 4, Apr. 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

BALCERSKI, W.

Activities on the Committee on Water Management.

p. 5 (Prace I Studia) No. 1, 1956, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC: VOL. 7, NO. 1, JAN. 1958

BALCERSKI, W.

Critical view of the economic problems of hydraulic construction in Poland. p. 271
(GOSPODARKA, WODNA, Col. 16, No. 7, July 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

BAICERSKI, W.

New prospects of the development of the harbor of Danzig.

P. 336 (TECHNIKA I GOSPODARSTWO MORSKIE) (Gdansk, Poland) Vol. 7, no. 11, Nov. 1958

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

BALCERSKI, Wacław

Władysław Kollis; an obituary. Archiw hydrotech 8 no.4:585-589 '61.

1. Członek Rady Redakcyjnej kwartalnika "Archiwum Hydrotechniki".

BALCERSKI, Wacław, prof., mgr. inż.

Crucial problems of water economy in Poland. Gosp wodna 22 no.2:
52-54 P '62.

BALCERSKI, Wacław, prof.

The influence of economic factors upon the technological progress and labor productivity. Przegl techn 79 no.9:396-398 My '58.

1. Rektor Politechniki Gdanskij.

BALCERSKI, Wacław, prof. inż.

Utilization of the Angara River in Siberia for power production.
Gosp wodna 22 no.12:538-545 D '62.

1. Politechnika, Gdansk.

BALCERSKI, Wacław, prof.

Problems of hydraulic concretes in the works of the International
Commission on Large Dams. Gosp wodna 22 no.12:561-562 D '62.

BALCERSKI, W.

Zbigniew Zmogrodski; obituary. Archiw hydrotech 10 no.2:313-317 '63.

BALCERSKI, Wacław; FANTI, Konstanty

Professor Zbigniew Zmigrodski; obituary. Gosp wodna 23 no.7:
269-270 JI '63.

BALCERSKI, Wacław, prof.; SZENIC, Stanisław

A dialogue on the Janickis. Przegl techn 85 no.18:9 1-3 My '64.

BALCERSKI Wacław, prof.

Is Danzig to become also a river port? Przegl techn 85
no. 25: 1,4 21 Je '64.

BALCERSKI, Wacław, prof. mgr inż.

Hydraulic constructions during the 20-year period of the Polish People's Republic in the light of connections of science and practice. Gosp wodna 24 no. 8:278-282, 283 S '64.

1. Technical University, Gdansk.

BALCERSKI, Wacław, prof. mgr ins.

Rock mechanics as discussed at the 8th Congress of Large Dams
in Edinburgh. Gosp wodna 25 no.3:94-98 Mr '65.

BALCHERSKI, Wacław (Gdańsk)

Ten years of "Archiwum Hydrotechniki." Archiw hydrotech 11
no.3:275-279 '64.

Selection of safety coefficients in hydraulic engineering.
Ibid.:281-291

BALCERZAK, A.

A magnetic-valve lightning arrester; a traction type. p. 1
PRACE, Vol. 11, No. 10, 1954, Warsaw, Poland.

SO: East European Accessions List, L. of C., Vol. 5, No. 10, Oct. 1956

ACC NR: AI7001/39

SOURCE CODE: PO/2530/66/014/047/0053/0060

AUTHOR: Balcerzak, Andrzej—Bal'tszechak, A. (Master engineer); Zielinski, Jerzy Janusz—Zelinski, Ya. Ya. (Master engineer)

ORG: High-voltage Department of the Electrotechnical Institute (Zaklad Wysokich Napiec Instytutu Elektrotechniki)

TITLE: Rectangular current pulse generator

SOURCE: Warsaw. Instytut Elektrotechniki. Prace. v. 14, no. 47, 1966, 53-60

TOPIC TAGS: pulse generator, electronic test equipment

ABSTRACT: A generator of undistorted current pulses of up to 1300 amp for equipment-testing purposes is described. Discharge current of a capacitor bank was used for pulse formation and two arc gaps (width, 2 cm) were used as switching units for starting and stopping pulse current. Electrodes 14—16 mm thick mounted on a rotating dielectric disk fired the arcs by passing through the arc gaps. A capacitor bank with up to 570 μ f capacity charged to 30 kv was used in the experimental generator. Rectangular pulses of 500—2000 μ sec duration of current up to 1300 amp were produced. Orig. art. has: 4 figures and 1 table.

SUB CODE: 09, 14/ SUBM DATE: 21Sep65/ ORIG REF: 004/ OTH REF: 003

Cord 1/1

UDC: 621.319.53:621.3.018.75

BALCERZAK, A., mgr., inz.; ZBOROWSKI, S., mgr., inz.

Experimental production of electrotechnical carborundum and
methods for its investigation. Przegl elektrotechn 38 no.1:
38-39 '62.

BALCERZAK, Andrzej, Mgr.inz.; ZIELIŃSKI, Janusz, Mgr.inz.

Calculation of current impulse generators. Inst Elektrotech
9 no.26:1-21 '61.

1. Zakład wysokich napięć, Warszawa.

BADER, Jerzy; BALCERZAK, Andrzej; ZIELINSKI, Jerzy Janusz

Corona losses in high-tension lines with small-diameter conductors.
Rospo elektrotechn 9 no.1/2:165-202 '69.

1. Instytut Elektrotechniki, Zaklad Wysokich Napieo, Warszawa.

ROSTKOWSKA, Julia; MOSKWA, Wlenty; KOZLOWICZ, Stefan; BALCZAK,
Czesław

Comparison of the effect of diatom line and piperazine on the development of eggs of *Ascaris suum* (Goeze) in the presence of P32. Wlad. parazyt. 10 no.4:303-305. '64.

1. Katedra Biologii Wojskowej i Katedra Fizyki Lekarskiej Akademii Medycznej, Lodz.

BALCERZAK, JERZY

Poradnik gospodyni wiejskiej. (2 wyd.) Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1955.

P. 683 (Guidebook for a country housewife. 2d ed.)

DA

Not in DIC

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

PAL
POLAND / Chemical Technology. Chemical Products and H
Their Application. Industrial Organic Syn-
thesis.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32340.

Author : Balcerzak, K., Celler, W., Ciborowski, St., Grz-
olowski, L., Kaczanowski, C., Popowicz, M., Tres-
zozanowicz, E.

Inst : Not given.

Title : From the Investigatory Works in the Synthesis of
Methyl Benzones.

Orig Pub: Przem. chem., 1957, 13, No 6, 346-350.

Abstract: During the study of the effects of different con-
ditions on the catalytic reaction of the methyl-
ization of C_6H_6 by means of CH_3OH in the presence
of catalyzers (C) containing P_2O_3 , it was dis-
covered that the most favorable conditions are:

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POLAND / Chemical Technology. Chemical Products and Their Application. Industrial Organic Synthesis. H

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32340.

Abstract: 360°; about 35 atm.; the molecular proportion, $C_6H_6:CH_3OH = 4:1$; the speed of delivery, 1.25 l. in one hour per one l. of C in one hour. The unpurified product contains: methyl benzene, about 17% by volume; yield of toluol, 50-60%; xylones, 20-25% (30% of them, n-xylene) and 20% compounds of C_9 . The yield of methyl benzenes is proportional to the time of contact with C within a 7-minute limit. The activation energy is 23 Cal./mol.; the methylation reaction is a reaction of zero sequence. The maximum content of P_2O_5 in C is 60-70%; the effect of the

Card 2/3

POLAND / Chemical Technology. Chemical Products and H
Their Application. Industrial Organic Syn-
thesis.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32340.

Abstract: other component parts is insignificant. The C
deactivation, as a consequence of coke sediment-
ation causing the formation of gaseous products
(H₂, CO, CO₂, saturated and unsaturated hydro-
carbons), may be prevented by the addition of
5% water to the raw material. -- I. Matvoyeva.

Card 3/3

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DISCREPANCY, A

5 1190 2209

23308

1/14/67 047/004/007
APR /ALP

AUTHORS: Keller, Winold; Popowicz, Maria; Palczak, Karol and
Treszczowski, Edward

TITLE: Investigations on obtaining a polymer of styrene with
methanol in the presence of phosphoric acid as a reaction carrier

PERIODICAL: Przetwórstwo, v. 40, no. 1, 1961, 29-3.

TEXT: The research on obtaining a polymer of styrene with
methanol in presence of phosphoric acid as a catalyst was initiated in view of
the expected shortness of styrene in Poland in and after 1968, when production
of polystyrene fibers will commence. On the other hand, surplus in surplus of
toluene and methanol is expected at the same time. Work of similar character was
carried out in America with paraffin as a catalyst. In order to obtain optimum
conditions under which the synthesis of polymer was carried out, various
parameters of alkylating were investigated separately, with the following results:
Influence of pressure: there was no alkylating of styrene ring at atmospheric
pressure and 34-55°C in presence of orthophosphoric acid dissolved in benzene as
carrier. The results were obtained by using a constant volume apparatus.

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X

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P/14/61/040/001/004/007

A221/A126

Investigations on obtaining xylenes ...

ZnO, TiO_2 was not very active and was losing its activity rapidly. This was partly due to chemical combining of phosphoric acid with aluminum and the leaching effect of water. Catalyst made on kieselguhr carrier washed with hot water, lost 50% of P_2O_5 within 12 hours. Accumulation of soot on the catalyst, too, was responsible for loss of activity. Catalyst prepared on silica gel was much superior and after 300 hours still maintained 70-75% of its original activity. As the reaction was carried out at a temperature 10 - 20°C lower than that with kieselguhr catalyst, less carbon settling on the catalyst was observed. The composition of xylenes thus obtained was: 52% of o-xylene, 22% of m-xylene and 26% of p-xylene. Influence of inert two-skeleton carbon catalyst carrier: Following the experience of some Soviet scientists the authors prepared the so-called two-skeleton catalyst carrier: Activated charcoal was soaked in sodium silicate, and SiO_2 in its pores precipitated by means of sulfuric acid. After washing and drying, the carrier was soaked in 40% ortho-phosphoric acid and dried out at 320-340°C. The catalyst thus prepared contained 30% of activated charcoal, 4% SiO_2 and 66% of pyrophosphoric acid ($\text{H}_4\text{P}_2\text{O}_7$). This two-skeleton catalyst mass proved to be more active and durable than those previously described. Its activity remained practically unchanged after a 300-hour test and from the original 66% it retained 50% of orthophosphoric acid. The xylene to poly-methyl toluene ratio

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F/4/61/040/001/004/007
A221/A126

Investigations on obtaining xylenes ...

In the crude product was 2:1 with around 27% of p-xylene in it. On the basis of this laboratory work a semi-technical installation was put into operation and the above-mentioned findings were confirmed. There are 2 figures, and 11 references: 7 Soviet-bloc and 4 non-Soviet-bloc. The reference to the most recent English-language-publication reads as follows: Pat. amer. 2756261(1956).

ASSOCIATION: Zakład Syntezy Kontaktowej Instytutu Chemii Ogólnej (General Chemistry Institute, Contact Synthesis Department) in Warsaw.

SUBMITTED: August 9, 1960

Card 4/4

CIBORSKI, Stanislaw; BALCERZAK, Kazimierz

Obtaining cyclohexanone from cyclohexanol and phenol. Chemia
stosow 7 no.1:155-164 '63.

1. Instytut Chemii Ogolnej, Warszawa.

DALCERZAK, Kazimierz; CELLER, Witold; CIBOROWSKI, Stanislaw

Studies on the purification of benzene from sulfur compounds
from the coke-chemical process. Przem chem 42 no.10:560-
562 0'63.

1. Instytut Chemii Ogolnej, Warszawa.

GIBOROWSKI, Stanislaw; HALCZERZAK, Kazimierz; FLOMINSKA, Irena

Benzoic acid as obtained from toluene by air oxidation in liquid phase. Chemia stosow 8 no. 1:93-103 '64.

1. Institute of General Chemistry, Warsaw.

BALCERZAK, Kazimierz; CIBOROWSKI, Stanislaw

Glycols as obtained from dibasic acids by hydrogenation. Chemia
stosow 8 no. 1:105-116 '64.

1. Institute of General Chemistry, Warsaw.

BAJCEWAK, Kazimierz, mgr.; STROJANOWSKI, Stanislaw, prof. dr.

Oxidation of petroleum-based cyclohexane. Kwartalnik 48-52
F 165.

1. Institute of General Chemistry, Warsaw.

KRAWCZYKOWA, Nadzieja; BALCERZAKOWA, Irena; CIBOROWSKI, Stanislaw

Studies on radiation-induced and conventional oxidation of
paraffin. Chemia stosow 8 no.4:453-464 '64.

1. Institute of General Chemistry, Warsaw.

BALCERZYK, Edward, mgr; HEMPEL, Kazimierz, mgr inż.

Microcalorimetric studies on the wetting temperature of pulp fiber. Przegl papier 20 no.10:309-313 0 '64.

1. Institute of Artificial and Synthetic Fibers, Lodz.

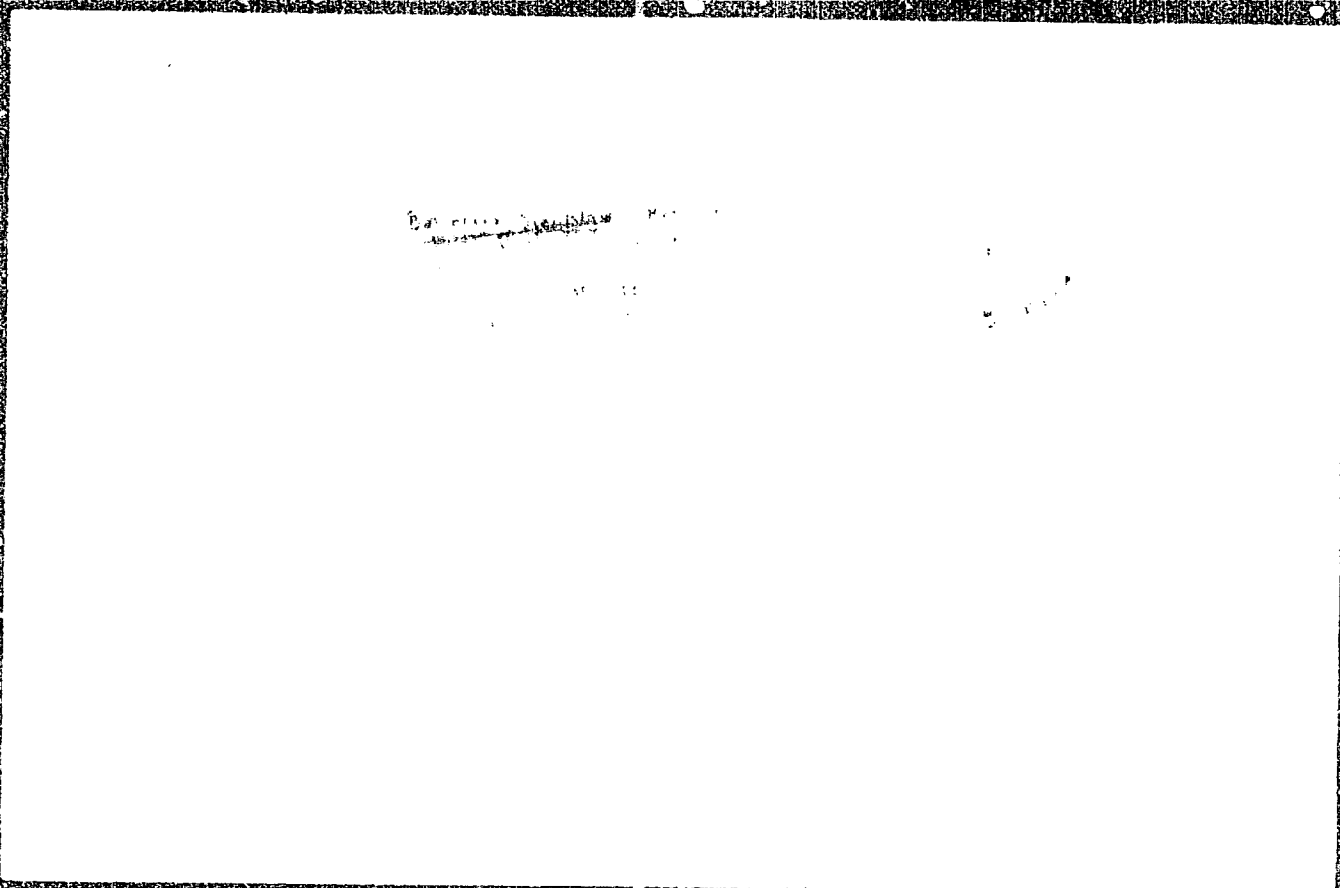
SYMONIDES-LAWECKA, Alicja; RACZYNSKA, Anna; BALCERZYK, Mirosława

Observations on 39 cases of pneumonia pneumocystica, Pediat.
Pol. 40 no.7:677-684 J1 '65.

1. Ze Szpitala Miejskiego Dzieciego w Toruniu (Dyrektor: dr.
med. J. Pietrasiewicz) i z Pracowni Anatomopatologicznej
Szpitala Miejskiego w Toruniu (Kierownik: dr. med. A. Raczyńska).

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103



APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103

1. Study of the ~~XX~~ appears as a subgroup in every

3
 V Balcerzyk, S. J and Mycielski, Jan. Some theorems on the representations of free products. Bull. Acad. Polon. Sci. Cl. III. 5 (1957), 1029-1030, LXXXVI. (Russian summary)

Announcement that (1) if G_t ($t < \text{ordinal number } \alpha$) is a sequence of groups, each isomorphic to a subgroup of the rotation group R of E^3 , and $\sum_{t \leq \alpha} \text{card } G_t < 2^{\aleph_0}$, any $t < \alpha$, then the free product $\Pi^* G_t$ is isomorphic to a subgroup of R ; (2) two elements of R with different axes, but common rotation angle φ , freely generate a free subgroup except for denumerably many φ depending on the axes; (3) if the index set T and groups G_t , $t \in T$, have powers $\leq \aleph_{k+1}$, $\aleph_k$ respectively, then $\Pi^* G_t$ is isomorphic to a subgroup of the permutation group of a set of power $\aleph_k$.

BALCERZYK, S.

On classes of Abelian groups. Bul Ac Pol mat 9 no.5:327-329 '61.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw.
Presented by K. Borsuk,

BALCERZYK, S.; BIALYNICKI-BIRULA, A.; LOS, J.

On direct decompositions of complete direct sums of groups of rank 1.
Bul Ac Pol Mat 9 no.6:451-454 '61.

1. Institute of Mathematics, Polish Academy of Sciences. Presented
by A. Mostowski.

BALCERZAK, S. (Torun); MYCIELSKI, Jan (Wroclaw)

On faithful representations of free products of groups. Fund mat 50 no.1:63-71
'61

BALCERZYK, S. (Torun); MYCIELSKI, Jan (Wroclaw)

On faithful representations of free products of groups. Fund mat 50
no.1:63-71 '61.