

Equilibrium in the alkaline polymerization of ϵ -caprolactam. Oto Wichterle, Eduard Sittler, and Pavel Cefelin (Csl. akad. v[ed], Prague). *Chem. listy* 52, 2073-80 (1957).

The course of alk. polymerization of ϵ -caprolactam (I) has been measured at 160, 180, 200, 220, 240, and 260° by using EtOCO_2Na and $\text{PhCH}_2\text{CO}_2\text{Na}$ as catalysts. The curve of the dependence of the equi. conversion on temp. shows a characteristic drop in the range of melting of the polymer (200-20°). The same drop is noticeable in the dependence of the mean polymerization degree on temp. The dependence of the final mean polymerization degree of I on the reciprocal value of the square root of the concn. of the catalyst is linear (at 240°), except for the catalyst concns. lower than 0.1 mole %.

M. Hudický

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CEPELIN, P.; TREKOVAL, J.; DRBALEK, Z.

Determination of the specific gravity of products of polymerization
of ϵ -caprolactam. In German. Coll.Cz.Chem. 24 no.9:2898-2902 S '59.
(KAI 9:5)

Institut für Plaste, Technische Hochschule für Chemie, Prag.
(Specific gravity) (Polymers and polymerization)
(Hexahydroazepinone)

CEFELIN, P.

Distr: 4E2c(j)

The effect of alcohols on the anionic polymerization of ϵ -caprolactam. P. Cefelin, E. Šittler, and O. Wichterle (Vysoká škola chem.-technol., Prague). *Collection Czechoslov. Chem. Commun.* 24, 3237-00(1959).—In the presence of slightly volatile ales., the alk. polymerization of the ϵ -caprolactam takes place very slowly and the conversion and the degree of polymerization are substantially lower than the values usually obtained. The results are compared with these obtained in the presence of the water (C.A. 53, 3763A).
—E. Erdős

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CEFFELIN, P.

PHASE I BOOK EXPLOITATION 507/153

International symposium on macromolecular chemistry. Moscow, 1960.

Mezhunarodnyy simpozium po makromolekulyarnoy khimii SSSR, Moskva, 14-18 Iyunya 1960 g.; doklady i avtoreferaty. Sektsiya III. (International Symposium on Macromolecular Chemistry Held in Moscow, June 14-18, 1960; Papers and Summaries) Section III. [Moscow, Izd-vo AN SSSR, 1960] 489 p. 55,000 copies printed.

Tech. Ed.: P. S. Kashina.

Sponsoring Agency: The International Union of Pure and Applied Chemistry. Commission on Macromolecular Chemistry.

PURPOSE: This book is intended for chemists interested in polymerization reactions and the synthesis of high molecular compounds.

COVERAGE: This is Section III of a multivolume work containing papers on macromolecular chemistry. The articles in general deal with the kinetics of polymerization reactions, the synthesis of special-purpose polymers, e.g., ion exchange resins, semiconductor materials, etc., methods of cationic polymerization reactions, properties and chemical interactions of high molecular materials, and the effects of various factors on polymerization and the degradation of high molecular compounds. No personalities are mentioned. References given follow the articles.

Zhurav, V. M., A. M. Pivrednik, and S. S. Medvedev (USSR). The Effect of Formic Acid and Formates on the Oxidation of Hydrocarbons and Hydrocarbon Polymers	364
Ropova, Z. V., and D. M. Yanzhuk (USSR). Study of the Effect of Some Organic and organoelemental Compounds on the Thermal Degradation of Polyvinyl Chloride	372
Wichterle, O., E. Sittler, and P. Cefelin (Czechoslovakia). Degradation of Polyvinyl Chloride as a Result of Exchange Reaction Between Alkyl Bonds	380
Madrha, M., J. Lmikov, and M. Jelink (Czechoslovakia). Neutralization of Residual Catalyst in Polydimethylsiloxane: Effect of Thermal Neutralization on the Thermal Stability of the Polymer	388
Thermooxidation and Degradation of Polyesters. Study of Degradation Reactions for Different Types of Linear Polyesters 405	
Keyman, M. B., B. M. Kovarskii, L. I. Golubkova, A. S. Strizhova, and V. V. Levantovskiy, and A. S. KREIN (USSR). On the Degradation and Stabilization of Some Polymeric Materials 414	
Angert, L. G., and A. S. Kuz'minskii (USSR). Investigation of the Efficiency of Inhibitors of Rubber Oxidation at Various Temperatures	423
Kravchenko, A. M., and Ying Men-K'ang (USSR). Mechanism of the Protective Action of Benzene Rings During the Radio-lysis of Polystyrene	433
Zhdankin, A. A., and K. A. Andrianov (USSR). On the Hydrolytic Stability of SOME TYPES OF Polymers with Inorganic Chains of Molecules	440
Berlin, A. A., Ye. A. Penakay, and O. I. Volkov (USSR). Mechanochemical Transformations and Block Copolymerization During the Freezing of Starch Solutions	334
Vasnev, Kh. R., B. I. Avchodzhayev, and U. Azizov (USSR). Modification of the Properties of Cellulose by Grafting	344

40 25

344 33

GEFELIN, P.; CHMELIR, M.; WICHTERLE, O.

Crystallization of poly-6-caprolactam. Coll Cz Chem 25 no.5:
1267-1274 My '60.

1. Institut für makromolekulare Chemie, Tschechoslowakische
Akademie der Wissenschaften, Prag und Institut für Plaste,
Technische Hochschule für Chemie, Prag.

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S/081/62/000/001/067/057
B119/B101

15,8080

AUTHORS: Čefelin, P., Šittler, E., Wichterle, O.

TITLE: Production of mixed polyamides from amidines

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 574, abstract
1R52 (Collect. Czechosl. Chem. Commun, v. 25, no. 10, 1960,
2522 - 2529)

TEXT: Polyamides from three components of regular structure were obtained by heating (in N₂ atmosphere) equimolar amounts of the following diamidines and dicarboxylic acids: N,N'-di-[2'-(1'-azacycloheptenyl)]-ethylene diamine (I), -hexamethylene diamine (II), and -phenylene diamine (III), oxalic (IV), adipic (V), and terephthalic acid (VI). Data are given in the order: initial diamidine and acid, reaction time in hr, reaction temperature in °C, melting point of the polyamide in °C: I, IV, 20, 160, 125 - 127; I, V, 20, 240, 174; I, VI, 48, 240, 344 - 345; II, IV, 20, 160, 140 - 142; II, V, 48, 240, 175 - 176; I, VI, 48, 240, 272 - 277; III, V, 48, 240, 313 - 316; III, VI, 20, 240, unmeltable until 400°C. The polyamides from I and V, II and V, II and VI are suited for spinning; the
Card 1/2

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Production of mixed ...

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other polyamides (except those with IV) form brittle fibers. Model reactions were conducted with monoamidines and monocarboxylic acids. When heating equimolar amounts of 2-methyl-amino-azacycloheptene and butyric acid with slowly increasing temperature (from 150 to 200°C during 1.5 hr in N₂ atmosphere), a product was obtained with a melting point of 177 - 178°C at 20 mm Hg, whose composition was similar to that of 6-butyramino-N-methyl caproamide. The reaction of equimolar amounts of 2-phenyl-azacycloheptene and benzoic acid (220°C, 3 hr, in N₂ atmosphere) yielded a product whose structure corresponded to that of 6-benzoylamino-N-phenyl caproamide; prisms with melting point 162 - 163°C (from a benzene-benzene mixture 1:1). No corresponding amide was isolated in the reaction of 2-phenyl-hydrazinaza-1-cycloheptene with benzoic acid. Analogously, the reaction of N,N'-di-[2'-(1'-azacycloheptenyl)] hydrazine with V and VI yielded no polyamide. The rate constants ($k_1 \cdot 10^3 \text{ sec}^{-1}$) of the reaction between II and V in the melt, at temperatures of 210, 220, 230, 240°C, were 1.08, 1.92, 2.83, and 4.49, respectively. This indicates that the reaction investigated proceeded by the ion mechanism. The activation energy was 23.3 kcal/mole. [Abstracter's note: Complete translation.]

Card 2/2

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CEFELIN, P.; SEBENDA, J.

Alkali polymerization of 6-caprolactams. Part 6: Production of alkali salts of 6-caprolactams. Coll Cz Chem no.12:3028-3038 D '61.

1. Institut für makromolekulare Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

CEFELIN, P

SURNAME, Given Names

Country: Czechoslovakia
Academic Degrees: [not given]
Affiliation: Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences (Institut fuer makromolekulare Chemie, Tschechoslowakische Akademie der Wissenschaften), Prague
Source: Prague, Collection of Czechoslovak Chemical Communications, Vol 26, No 11, November 1961, pp 2897-2908
Data: "Degradation of Poly-6-Caprolactam by Reamidation."

Authors:

WICHTERLE, O
SITTLER, E
CEFELIN, P

SEBENDA, Jan; CEFEJIN, Pavel; WICHTERLE, Oto

Alkaline polymerization of 6-caprolactam. Part 7: Heat stability of the system-6-caprolactam; sodium salt of 6-caprolactam. Chem prum 12 no.1:41-45 Ja '62.

1. Ustav mikromolekulární chemie, Československá akademie věd, Praha.

3

CZECHOSLOVAKIA

DOSKOCILOVA, D; PIVCOVA, H; SCHNEIDER, B; CEFELIN, P.

Institute of Macromolecular Chemistry of the Czechoslovak
Academy of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 7, 1963, pp 1857-1876

"On the Structure and Properties of Polyamides. IV. Infra-
red Spectra of Poly-gamma-Methylcaprolactam and of
Amorphous Polycaprolactam."

DOSKOČILOVA, D.; SCHNEIDER, B.; ČEPELÍN, P.; SCHMIDT, P.

On the structure and properties of polyamides. Pts. 5-6.
Coll Cz Chem 28 no.10:2556-2562, 2685-2695 0 '63.

1. Institute of Macromolecular Chemistry, Czechoslovak
Academy of Sciences, Prague.

CEFELIN, P.; DOSKOČILOVA, D.; FRIDRYCHOVA, A.; SEBENEA, J.

Alkaline polymerization of 6-caprolactam. Pt.11. Coll
Cz Chem 29 no.2:485-491. F '64.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy
of Sciences, Prague.

SEBENDA, J.; CEFELIN, P.; DOSKOCILOVA, D.

Alkaline polymerization of 6-caprolactam. Pt.16. Coll Cz Chem
29 no.5:1138-1149 My '64.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy
of Sciences, Prague.

BUKAC, Z.; CEFELIN, P.; DOSKOCILOVA, D.; SEBENDA, J.

Alkaline polymerization of 6-caprolactam. Pt.18. Chem Cz
Chem 29 no.11:2615-2625 N '64.

1. Institute of Macromolecular Chemistry of the Czechoslovak
Academy of Sciences, Prague.

CZECHOSLOVAKIA

CEPELIN, P.

SEBENDA, J.; CEPELIN, P.; BOBKOCILOVA, D

Institute of Macromolecular Chemistry, Czechoslovak
Academy of Sciences, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 7, July 1966, pp 3000-3002

"N-(β -carboxidepropyl)caprolactam."

CEGIEL, E.; Pietrzykowski, J.

Hardening the teeth of saws by means of electric contact. p. 229.
(PRZEMYSŁ DRZEWNY. Vol. 7, no. 8, Aug. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

PARNAS, Jozef; BURDZY, Krystyna; CEGIELKO, Marian

Further studies on the antigenic structure of bacilli *Brucella brucei* and *Pasteurella tularensis*. Acta microbiol. Pol. 11 no.1/2:33-42 '62.

1. Z Katedry Mikrobiologii Akademii Medycznej i Zakladu Antropozoonoz Instytutu Medycyny Pracy i Higieny Wsi w Lublinie.

(BRUCELLA immunol)

(PASTEU'RELLA TULARENSIS immunol)

(ANTIGENS)

CEGIELSKA, Anna.

Malignant degeneration of laryngeal papilloma in a child.
Otolar. polska 9 no.3:255-258 1955.

1. Z Kliniki Otolaryngologicznej A.M. w Krakowie. Kierownik:
prof. dr. J.Miodonski.

(LARYNX, neoplasms,
papilloma, malignant degen. in child)

(PAPILLOMA,
larynx, malignant degen. in child)

CEGIELSKA, Anna

Injuries of the recurrent nerve during thyroid surgery. Polski tygod. lek. 11 no.52:2177-2183 24 Dec 56.

1. (Z Kliniki Otolaryngologicznej A.M. w Krakowie; kierownik: prof. dr. J. Miodonski) Krakow, Klin. Otolar. A.M., Kopernika 25.

(LARYNX, innervation,
recur. nerves, inj. in thyroid surg. (Pol))
(THYROID GLAND, surgery,
perop. inj. of recur. nerves (Pol))

CEGIELSKA, Anna (Krakow, ul. Karmelicka 58)

Remote results of injuries of the recurrent nerve during therapy of goiter. Polski przegl. chir. 31 no.1:45-49 Jan 59.

1. Z Kliniki Otolaryngologicznej A. M. w Krakowie Kierownik: Prof. dr J. Miodonski.

(GOITER, surgery

recur. nerve inj. causing vocal cord paralysis (Pol))

(VOCAL CORDS, paralysis,

caused by recur. nerv. inj. in goiter surg. (Pol))

PARNAS, J.; CEGIELKA, M.; KOSLAK, A.

Electrophoretic and chromatographic studies on Leptospira-
antiserum. Bul Ac Pol biol ll no.7:333-336 '63.

l. W. Chodzko State Institute of Rural Occupational Medicine
and Rural Hygiene, Lublin. Presented by W. Mikulaszek.

OSIEMKA, Marian; UMINSKI, Jerzy; TOSIATY, Sabina

Studies on immunobiochemical sera of white rats with experimental *Toxoplasma gondii* infection. Wlad. parazyt. 10 no.4:308-310 '64

1. Zaklad Antropozoonoz i Zaklad Parazytologii Wiejskiej Instytutu Medycyny Pracy i Higieny Wsi, Lublin.

WYRWIŃSKI, Jacek (Gdańsk); GEGIELSKI, Andrzej (Gdańsk)

Precise rotation speedometer. Inst masz przep PAN no.11/12:
189-200 '62.

SOLSKI, Pawel, doc. dr. inz.; BUCH, Alfred, doc. inz.; GORSKI, Eugeniusz, dr. inz.; KOCANDA, Stanislaw, dr. inz.; WOJCIK, Franciszek, doc., dr. inz.; PYTKO, Stanislaw, mgr. inz.; ROZNOWSKI, Tadeusz, mgr. inz.; KACZMAREK, Jan, doc. dr. inz.; KELLER, Wlodzimierz, mgr. inz.; CEGIELSKI, B., mgr. inz.; ZIEMBA, Stefan, prof. zwyczaj. dr. inz.; JANECKI, Janusz, pplk. dr. inz.

The 1st Problematic Conference on: "The role and research methods of the subsurface layer." Summary of major voices in the discussion. Przegł mech 21 no.13:411-413 10 J1 '62.

1. Politechnika, Warszawa (for Solski, Keller).
2. Instytut Mechniki Precyzyjnej, Warszawa (for Buch).
3. Wojskowa Akademia Techniczna, Warszawa (for Kocanda, Ziemia and Janecki).
4. Politechnika, Szczecin (for Gorski).
5. Politechnika, Gdansk (for Wojcik).
6. Akademia Gorniczo-Hutnicza, Krakow. (for Pytko).
7. Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Warszawa (for Roznowski).
8. Instytut Ohrobki Skrawaniem, Krakow (for Kaczmarek).
9. Politechnika Poznan (for Cegielski).

CEGIELSKI, Bernard

Problems concerning cylindrical gear with an arc line of teeth.
Mechanika Poznan no. 4: 61-92 '62.

CEGIELSKI, MIECZYSLAW

FIALKOWSKI, Tadeusz; CEGIELSKI, Mieczyslaw

Incarceration of the penis in metal ring. Polski przegl. chir.
26 no.5:419-427 My '54.

1. Z II. Kliniki Chirurgicznej Akademii Medycznej w Krakowie.
Kierownik: prof. dr. K. Michejda,

(PENIS,

*incarceration in roller bearing, removal by crushing
in 2 cases)

CEGIELSKI, Mieczyslaw, Krakow, ul. Kopernika 21)

Therapy of peripheral disturbances of the lower extremities with
regitine. Polaki przegl. chir. 26 no.8:719-730 Aug 54.

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Krakowie.
Kierownik prof. dr. K.Michejda
(VASCULAR DISEASES, PERIPHERAL
obliterative, of leg, ther. with regitine)
(SYMPATHOLYTICS, ther. use
regitine in obliterative peripheral vasc. dis. of leg)

CEGIELSKI, Mieczyslaw

~~Work of the first team of the Polish Red Cross Hospital in Korea.~~
Polski tygod.lek. 11 no.5:193-195 30 Jan 56.

1. Kraków, ul. Karmelicka 58 m. 10.

(SOCIAL SERVICE

Polish Red Cross Hosp. in Korea, accomplishments)

(HOSPITALS

same)

CWIGIELSKI, Mieczysław

Case of gangrenous cholecystitis in a child caused by typhoid fever. Polski przeł. chir. 28 no.4:421-424 Apr 56.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie, Kierownik:
prof. dr. K. Michejda, Krakow, ul. Kopernika 21.

(GALLBLADDER, gangrene,
in child, caused by typhoid fever (Pol))

(GANGRENE,
gallbladder, caused by typhoid fever in child (Pol))

(TYPHOID FEVER, in infant and child,
causing gangrene of gallbladder (Pol))

CEGIELSKI, Mieczyslaw; JASIENSKI, Stefan; SOCHA, Wladyslaw

Four cases of resection of the stomach with partial left hepatic lobectomy for cancer. Polski przegl. chir. 28 no.12:1265-1276 Dec 56.

1. Z II Kliniki Chirurgicznej Akademii Medycznej, Kierownik: prof. dr. K. Michejda, i Instytutu Onkologii w Krakowie
Dyrektor: doc. dr. H. Kolodziejska. Adres autora: Krakow, ul. Kopernika 21.

(STOMACH NEOPLASMS, compl.

invasion of liver, surg., gastric resection with hepatic lobectomy (Pol))

(LIVER, neoplasms

invasive from stomach, surg., hepatic lobectomy with gastric resection (Pol))

CEGIELSKI, M

OSZACKI, Jan; MAJ, Jerzy; CEGIELSKI, Mieczyslaw

Effect of hemorrhage and of blood transfusion on volume of various organs and on cardiac function in hypothermia. Polski przegl. chir. 29 no.4:325-331 Apr 57.

1. Z II Kliniki Chirurgicznej A. M. w Krakowie Kierownik: prof. dr K. Michejda i z Pracowni Farmakodynamiki A. M. w Krakowie Kierownik: prof. dr J. Hano. Adres autorow: Krakow, ul. Kopernika 21.

(HEMORRHAGE, experimental,
eff. on heart funct. & volume of various organs in hypothermia in cats (Pol))

(BLOOD TRANSFUSION, effects,
on heart funct. & volume of various organs in hypothermia in cats (Pol))

(HYPOTHERMIA, experimental,
eff. of blood transfusion & hemorrh. on heart funct. & volume of various organs in cats (Pol))

(HEART, physiology,
eff. of blood transfusion & hemorrh. in hypothermia in cats (Pol))

~~C~~ Cegielski, M.

OSZACKI, Jan; MAJ, Jerzy; CEGIELSKI, Mieczyslaw

Hepatic, renal, and small intestinal volumes and cardiac function in hypothermia in cats. Polski przegl. chir. 29 no.4:333-338 Apr 57.

1. Z II Kliniki Chirurgicznej A. M. w Krakowie Kierownik: prof. dr K. Michejda i z Pracowni Farmakodynamiki A. M. w Krakowie Kierownik: prof. dr J. Hano. Adres autora: Krakow, ul. Kopernika 21.

(HYPOTHERMIA, effects,

on heart funct. & volume of various organs in cats (Pol))

(HEART, physiology,

eff. of hypothermia in cats (Pol))

CEGIELSKI, Mieczyslaw (Krakow, ul. Kopernika 21)

Four cases of causalgia. Polskie arch.med.wewn 28 no.5:193-197 1958:

1. Ze szpitala P.C.K. w pln. Korei. Dyrektor: doc. dr W. Wiechno.
(NEURALGIA, case reports
causalgia (Pol))

OSZACKI, J.; KROL, W.; MARCZYNSKA, A.; CEGIELSKI, M.; MAJ, J.; ADAMCZYK, B.

Experimental hypothermy in cats. I. Cardiographic & electrocardiographic investigations. II. Changes in the cation & serum protein contents. Polski przegl. chir. 30 no.7:719-732 July 58.

l. Z II Kliniki Chirurgicznej A. M. w Krakowie Kierownik; prof. dr K. Michejda z I Kliniki Chorob Wewnętrznych A. M. w Krakowie Kierownik; prof. dr. L. Tochowicz oraz z Zakładu Farmakodynamiki A. M. w Krakowie Kierownik: prof. Dr. J. Hano Krakow, ul. Kopernika 21.

(HYPOTHERMIA, experimental

eff. of heart, ECG manifest., changes in serum protein & cation levels in cat (Pol))

(HEART, physiol.

eff. of hypothermia, ECG manifest. in cat (Pol))

(ELECTROCARDIOGRAPHY

eff. of hypothermia in cat (Pol))

(BLOOD PROTEINS

eff. of hypothermia on levels in car (Pol))

(IONS, in blood

cations, eff. of hypothermia on levels in cat (Pol))

CEGIELSKI ZY.

EXCERPTA MEDICA Sec 9 Vol 13/6 Surgery June 59

2928. (776) PELVIC FRACTURE - Złamanie miednicy - Cegielski M. and Jasiński S. I. Klin. Chir. A.M., Kraków - POL. PRZEGL. CHIR. 1958, 30/8 (841-861) Graphs 1 Tables 5 illus. 2

Pelvic fracture is a serious injury but the mortality among these patients is chiefly connected with post-traumatic shock and with injury to the internal organs or with the advanced age of the patients. The treatment is as a rule conservative and gives good results on the whole, but the time required to regain full physical efficiency is often very long (a year or even several years).

CEGIELSKI, Mieczysław; JASIENSKI, Stefan; LASKOWNICKI, Andrzej.

Urologic complications in pelvic fractures. Polski przegl. chir. 31
no.4:451-460 Apr 59.

1. Z II Kliniki Chirurgicznej A. M. w Krakowie Kierownik: prof. dr
Kornel Michejda.

(PELVIC BONES, fract. & disloc.)
(URINARY TRACT, dis.)

CEGIELSKI, Mieczysław

Changes in the volume of internal organs and cardiac function in experimental tourniquet shock. Polski przegl. chir. 31 no.6:657-671 June 59.

1. Z II Kliniki Chirurgicznej A. M. w Krakowie n.o. Kierownik: doc. dr J. Oszański Z Zakładu Farmakodynamiki A. M. w Krakowie Kierownik: prof. dr J. Hańc.
(SHOCK, exper.) (HEART, physiol.)

CEGIELSKI, Mieczyslaw; RENG, Barbara

Glycemic curve in surgical therapy of simple goiter and hyperthyroidism. *Polski przegl. chir.* 32 no.10:967-973 '60.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie Kierownik: doc. dr J. Oszacki.

(GOITER surg) HYPERTHYROIDISM surg)
(BLOOD SURAR)

CEGIELSKI, Mieczyslaw

Broncho-esophageal fistula with spontaneous regression. Polski
przegl. chir. 32 no.10:1025-1028 '60.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie Kierownik: doc. dr
J. Oszacki.

(BRONCHIAL FISTULA case reports)
(ESOPHAGEAL FISTULA case reports)

111 AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CEGIELSKI, W.

M

*Sintered Porous Graphite-Bronze Bearings. A. Krupkowski and W. Cegielski (*Prace Badawcze Górnego Inst. Met. i Odlewnictwa*, 1949, 1, (2), 163-179).—[In Polish]. An investigation was made into the effect of compn., sintering, and impregnation conditions on properties such as porosity, hardness, plasticity, compressive strength, and dimensional changes during sintering, using electrolytic Cu powder of 250 mesh, and slightly finer Sn powder. Preheating for 2-5 hr. at 400° C. before sintering at 800° C. increased the porosity and reduced the radial shrinkage, but it also reduced the hardness and compressive strength. The porosity could be increased by adding 3% of talcum, NH₄Cl, or (NH₄)₂CO₃, or by sintering in H₂. The latter method is recommended as giving the best compromise between porosity and dimensional stability, and mech. properties. As reported, oil-porosity varied from 15 to 30%; B.H.N. = 25-45; compressive strength = 30-80 kg./mm.²; radial linear contraction was up to 2.5%. 15 ref.—N. H. P.

ASME-SEA METALLURGICAL LITERATURE CLASSIFICATION

111 AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Cegielski, W.

^{pt}
(Preparation of powders of low-melting metals by atomisation.
W. Rutkowski and W. Cegielski (*Prace Inst. Minier. Polnic.*, 1953,
5, 291-297).--Apparatus for atomisation of molten Sn, Pb, and
Zn by compressed air is described. Particle-size distribution,
bulk d , and composition of the powders obtained were determined.
The quality, as determined by metallographic analysis and d and
Brinell hardness measurements, of various sintered products
(anti-friction and bearing materials) that were made from these
powders, compared well with the quality of other Polish and foreign
sintered materials.
METALL. ABSTR. (R.B.C.)

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BB of ()

CHGIELSKI, W.

Sintered Compacts from Iron Powders Used for Making Porous Bearings, Part I *and* Part II

Source - PRZEGLAD MECHANICZNY (Mechanical Engineering Review) Poland
Vol. XII, No. 10 October 1953, pp. 339 - 370

C
GEBIENSKI, W.

POL.

609.1-492.2 : 621.822.6

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Cerdelski W. Sintered Carbide Porous Bearings.

"Porowate łożyska spiekane z proszków żelaznych". Przegląd Mechaniczny, No. 11, 1953, pp. 390-393, No. 12, 1953, pp. 405-407, 14 figs., 5 tabs.

The author deals with the range of application of sintered bearings and with the prospects of substituting them for other types of bearings. Methods of producing iron powders as used in the manufacture of bearings. Description of the preparation and mixing of powders; pressing, sintering, and machining of bearings; chemical, physical and mechanical properties of sintered iron bearings. Recommendations and practical details referring to methods of using the bearings referred to in the article (machining and fitting, replacement of bearings, grinding-in, lubricants and lubrication, conditions of fit, loadability, and friction).

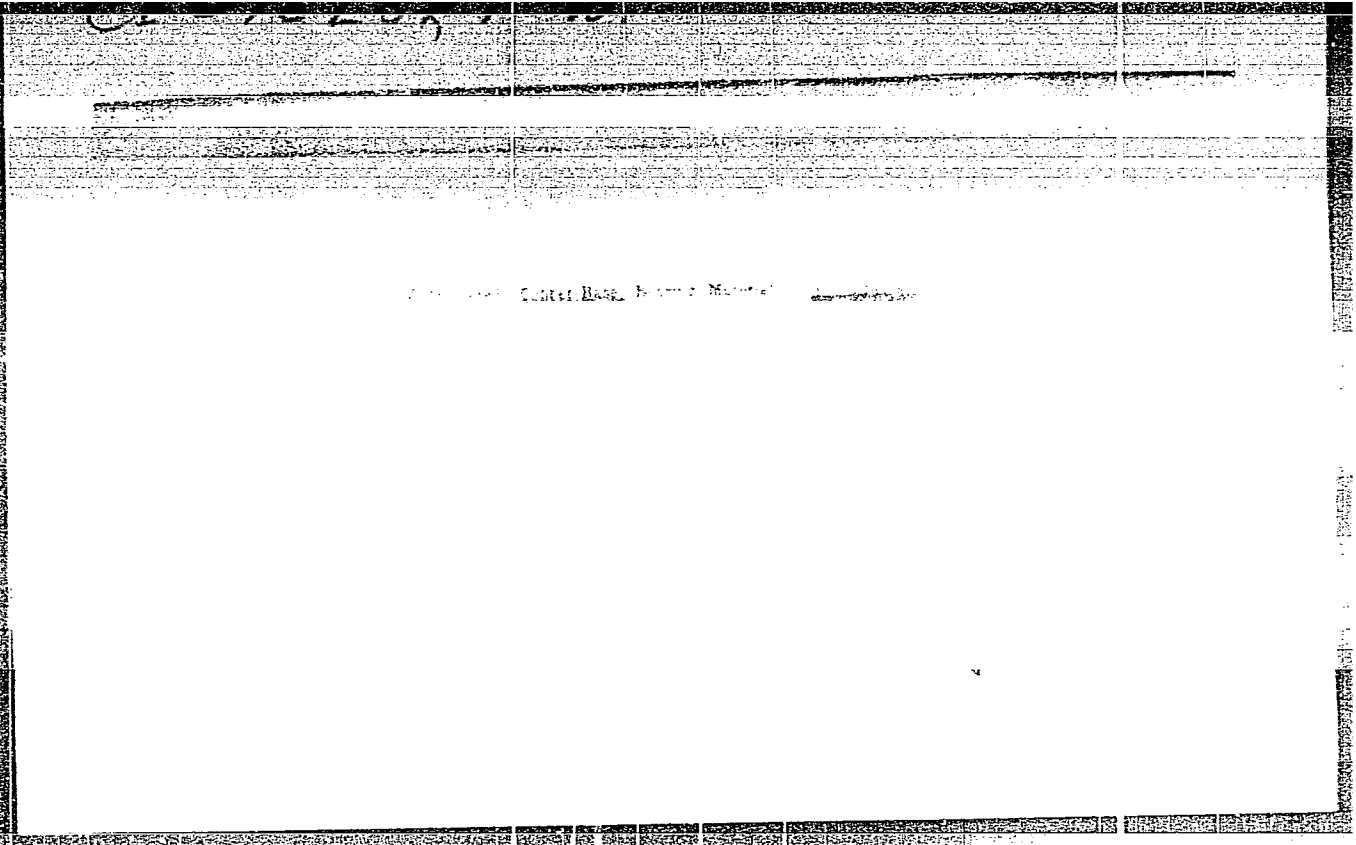
JP
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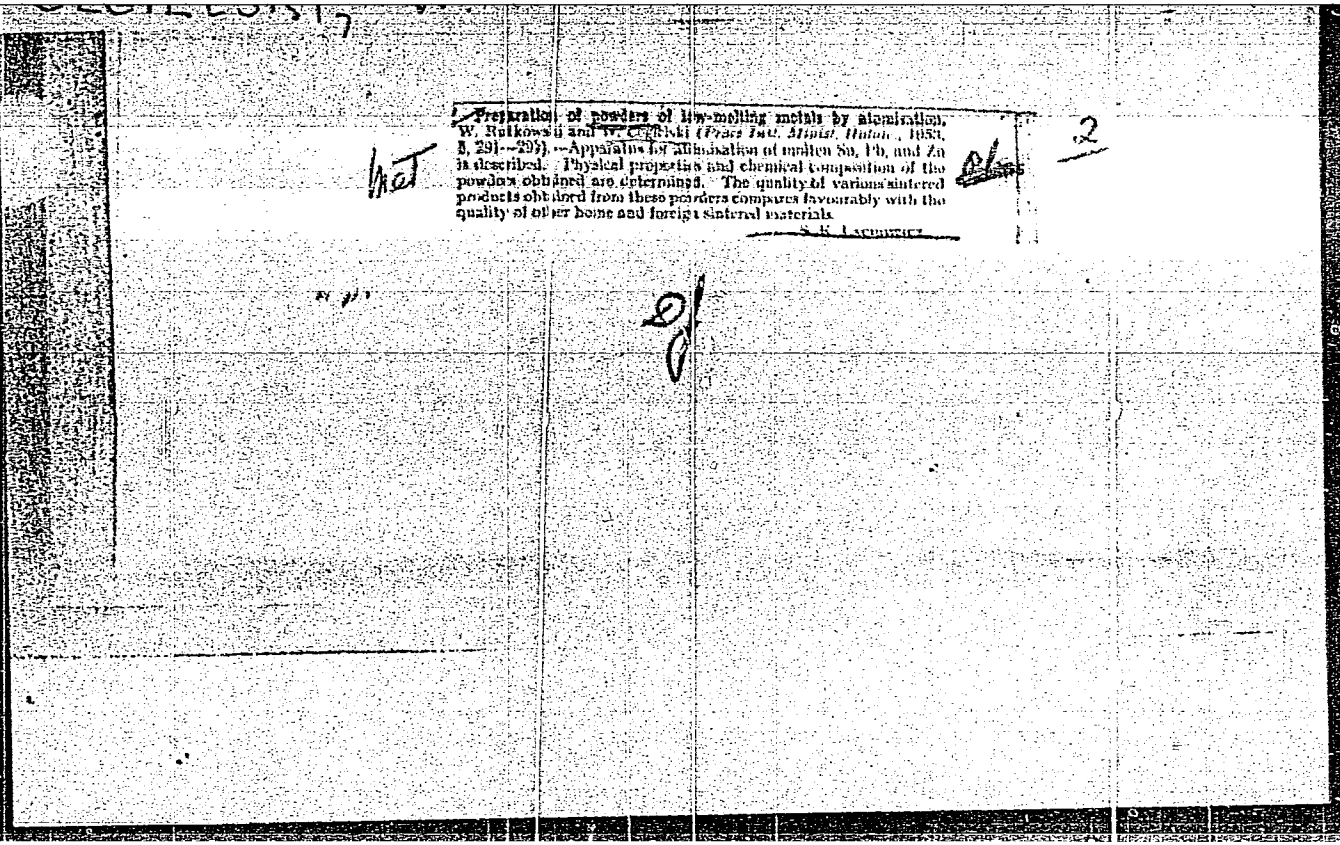
CECIELSKI, W.

B. T. R.
June 1954
Metals-Powder

①
8651* Self-Lubricating Iron Bearings. (Polish.) W. Ciecielski. Prace Instytutow Ministerstwa Hutnictwa, 1954, no. 6, pp. 336-338.

Developments in manufacturing and utilization; effects of pressing pressure; sintering temperature; and grain size on properties of bearings. Diagrams, tables, graphs, micrographs. 6 ref.





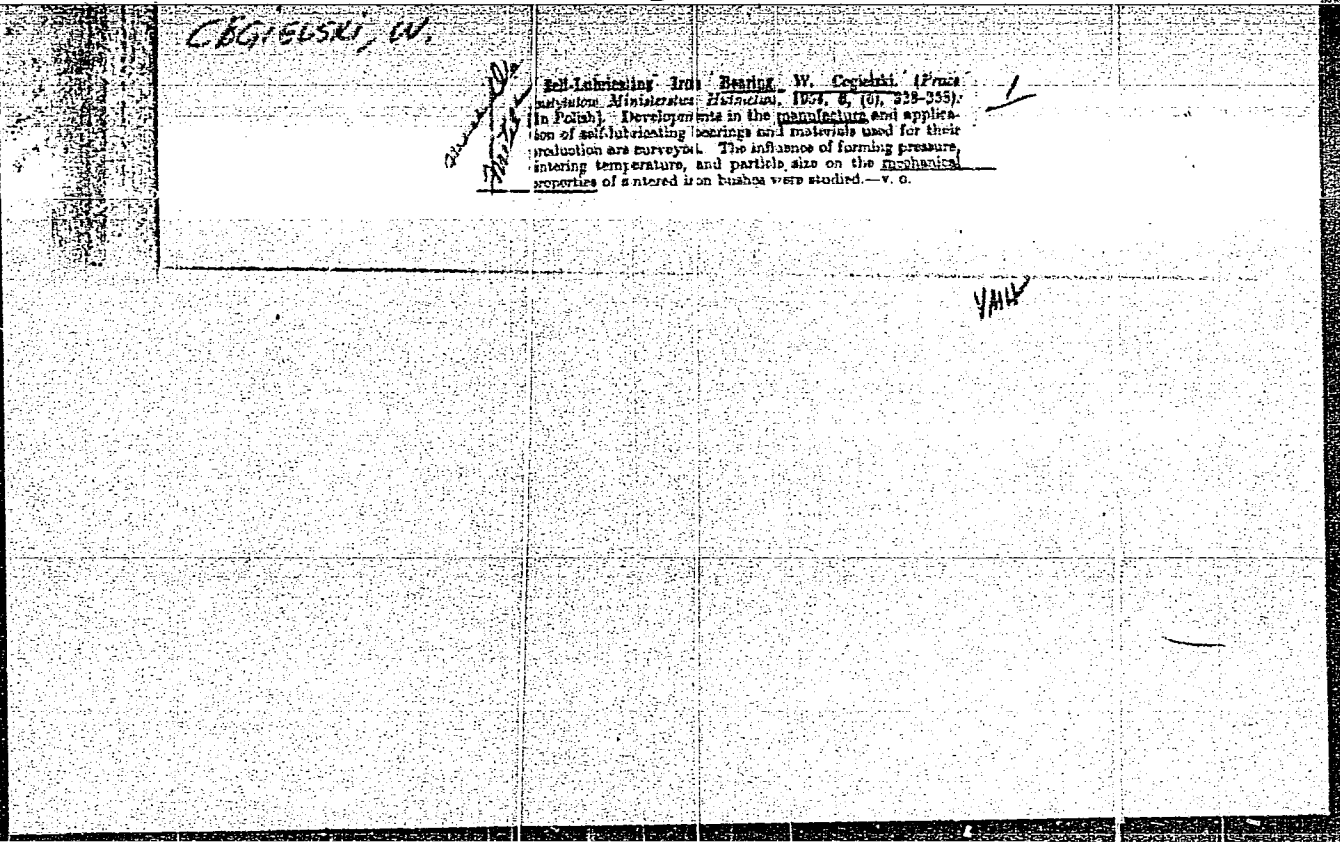
Preparation of powders of low-melting metals by atomization.
W. Rutkowski and W. Czupinski (*Prace Inst. Hutnic. 1953*,
t. 29)---293). --Apparatus for atomization of molten Sn, Pb, and Zn
is described. Physical properties and chemical composition of the
powders obtained are determined. The quality of various sintered
products obtained from these powders compares favourably with the
quality of other home and foreign sintered materials.

S. K. Lachumier

Met

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Cegielski, W

13289 Sintered Friction Materials. W. Cegielski. Henry
Bratcher Translation No. 3711, 9 p. (Abridged from Prace
Inst., v. 7, no. 7, 1955, p. 17-23.) Henry Bratcher, Alhambra,
Calif.
Previously abstracted from original. See item 9568, v. 4,
July 1953.

of

W. C. Czeleki

Diamond-metal carbide tools for glass. W. Czeleki,
 Proc. Inst. Administrac. Hrubichy 9, 71-60 (1967).
 WC₆ and CuCl₂ (W 80 and Cu 20%) were cold formed with
 7% of diamond powder and sintered at 1250-1300° for 1 hr.
 Hot forming led to the destruction of the die. Satisfactory
 saw blades were obtained in this way. Tools for glass rolls,
 consisting of Cu 73.9, Sn 13.1, graphite 1, and diamond powder
 10%, cold formed and sintered at 750°, were also satis-
 factory. B. B. Lubomirski.

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PRACE INSTYTUTU
Ministerstwa Hutnictwa
Nr 6, 1957

4
AIE 30

W. Cegielski

SLIDING PROPERTIES OF SELF-LUBRICATING BEARINGS

Summary

Sliding properties of porous sintered bearings are discussed on the basis of properties of conventional type bearings. The appliance for investigation of sliding properties is described. Five series of porous sintered bearings manufactured mainly out of iron powder flame-ling and reduced by scale carbon were selected for investigation. For comparison following bearings were also investigated: Swedish made sintered iron bearing

„Ferrolli” original, and after cutting operations; porous graphite-bronze; cast bearing of modified iron. The diagram presents the limit curves for most of the investigated bearings. It was found that cutting operations reduce the sliding properties of previously calibrated bearings; additional lubrication increases slightly the sliding properties; bearings worked with sintered carbide-cutting tools have better sliding properties.

Handwritten signature or initials

CEGIELSKI, W.

✓ Nickel-molybdenum and nickel-iron-molybdenum alloys
as substitute for molybdenum metal for electron tube grids.
W. Cegielski. *Prace Inst. Hutniczych* 11, 113-18(1959).—
The technology of producing wire for vacuum-tube grids
from Ni-Fe-Mo alloys contg. Ni 58, Fe 22, and Mo 20%,
and from Ni-Mo alloys contg. Ni 80 and Mo 20% was
described. The alloys were prep'd. by the powder metallurg-
ical method from electrolytic Ni, Fe powder, and Mo pow-
der obtained by reduction of Mo trioxide. The pressed and
sintered bars were swaged and drawn into the wires. The
chem. compn. of wires, tensile strength, and elongation were
dtd., as well as the effect of storing of their mech. proper-
ties. The technology of new products was less difficult than
the one applied for pure Mo wires, and for the conditions con-
sidered the production costs were lower. W. Tomaszczyk

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4/6

CEGIELSKI, Waclaw, dr.inz.

Sintered safety valve shapings. Rudy i metale 7 no.7:307-314
Jl '62.

CEGLA, Jerzy (Lublin)

Tephrochronology and its significance in Quaternary research. Czasop
geograf 34 no.1:37-50 '63.

CEGLARSKI, Romuald; ROMAN, Jadwiga

Complexometric determination of certain histaminics. *Farmacja*
Pol 18 no.14:327-329 25 J1 '62.

1. Katedra Chemii Farmaceutycznej, Akademia Medyczna, Gdansk.
Kierownik; prof. dr. Henryk Ellert.

*

CEGLARSKI Romuald

POLAND

ELLERT, Henryk, prof. dr; CEGLARSKI, Romuald, mgr; REGOSZ, Andrzej mgr.

Department of Pharmaceutical Chemistry, Medical Academy (Katedra
Chimii Farmaceutycznej Akademii Medycznej), Gdansk (for all -
Head-Ellert).

Warsaw, Chemia analityczna, No 6, November-December, 1965, pp 1217-
1220.

"Methods of edas determination. Part 1: Potentiometric titration."

CEGLECKA-TOMASZEWSKA, Krystyna

Cerebral hemorrhage in a 12-year-old child during the course of thrombocytopenia. *Pediat. Pol.* 37 no.3:293-294 '62.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie Kierownik: prof. dr med. H. Brokman.

(CEREBRAL HEMORRHAGE in inf & child)
(THROMBOPENIA in inf & child)

CEGLECKA-TOMASZEWSKA, Krystyna; TAYSCH, Zofia; WANKOWICZ, Regina

Clinical diagnosis and microbiological verification of Bornholm disease (pleurodynia). *Pediat. pol.* 37 no.10:1029-1032 0 '62.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie; Kierownik: prof. dr med. H. Brokman i z Panstwowego Zakladu Higieny -- Zaklad Wirusologii, Pracownia Enterowirusow. Kierownik: prof. dr med. F. Przesmycki.
(PLEURODYNIA EPIDEMIC)

DUCHOWSKA, Helena; CEGLECKA-TOMASZEWSKA, Krystyna

Tuberculosis of the sternum and of lungs in a 12-year-old girl with rheumatoid arthritis. *Pediat. Pol.* 40 no.3:295-299 Mr '65.

1. Z Oddziału Dziecięcego Instytutu Reumatologicznego w Warszawie (Kierownik: prof. dr. E. Wilkoszewski) i z Kliniki Terapii Chorób Dzieci Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. H. Zapasnik-Kobierska).

COUNTRY : Hungary H-2
CATEGORY :
ABB. JOUR. : RZKhim., No. 1959, No. 86829
AUTHOR : Blizkic, T.; Ceglodi, B.; Kiss, L.
INST. :
TITLE : Drying of Granular Materials in a Fluidized Bed
ORIG. PUB. : Magyar ker. lapja, 1958, 13, No 10-12, 1413-1417
ABSTRACT : Studies of the drying of 5 different granular materials in a fluidized bed, have shown that when rate of drying is determined by external diffusion, it rises with increased intensity of fluidizing (air, color). If the rate of drying is affected not only by external diffusion, but also by other factors (internal diffusion, rate of evaporation of water of crystallization, as for example in the case of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$), the rate of drying is defined by the semi-empirical equation: $\frac{dw}{d\tau} = kF(p_a - p_p) \cdot y$, where w -- moisture content in relation to dry air, in g/kg; τ -- time in hours; F -- drying surface in m^2/kg ; p_a -- (total) air pressure, in atmosphere; p_p -- partial vapor

CARD: 1/2

COUNTRY : Hungary M-2
 CATEGORY :
 ABS. JOUR. : RZKhim., No. 1959, No. 86829
 AUTHOR :
 INST. :
 TITLE :

ORIG. PUB. :

ABSTRACT : pressure, in atmospheres; k -- coefficient depending upon grain size and air velocity in g/m² hour atmosphere; y -- moisture content of grains in %. When the external diffusion does not affect rate of drying (for example in the case of $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$), the latter does not depend upon humidity of fluidizing. -- M. Yermakova.

CARD: 2/2

163

KECSKES, Lajos; MUTSCHLER, Ferenc; GLOS, Ivan; THAN, Ede; FARKAS, Imre;
CEGLEDI, Jozsef; KOBOR, Jozsef

Indirect paper chromatographic methods for determination of estrogens
in the urine. Kiserl. orvostud. 13 no.5:468-480 0 '61.

1. Pecsı Orvostudományi Egyetem Szülészeti és Nőgyógyászati
Klinikája.

(ESTROGENS urine)

BEREZNAV, Istvan, dr.; CEGLEDY, Arpad, dr.

A case of simultaneous intrauterine and extrauterine pregnancy.
Orv. hetil. 104 no.27:1284-1285 J1 7 '63.

(PREGNANCY, TUBAL)

CEGLINSKI, Stanislaw; DEBSKA, Elzbieta

Analysis of cases of rheumatism directed for balneotherapy from the
City of Poznan. Polskie arch. med. wewnetrz. 24 no.5a:947-950 1954.

1. Z Instytutu Balneoklimatycznego w Poznaniu. Dyrektor: dr. med.
J.Jankowiak.

(ARTHRITIS, RHEUMATOID, therapy,
balneother., statist. analysis)

(BALNEOLOGY,
balneother. of rheum. arthritis, statist. analysis)

EXCERPTA MEDICA Sec.17 Vol.4/4 Public Health, etc. Apr 58

Cegliński S

1207. ON THE PROBLEM OF HEALTH RESORT TREATMENT OF CHILDREN -
Z problematyki leczenia uzdrowiskowego dzieci - Cegliński S. Działu
Metodol. - Organ., Inst. Balneoklimat., Poznań - PEDIAT.POL. 1957, 32/3
(301-306)

The aim of health resort treatment of children is hardening and a gradual stimulation of the body. It can be attained by raising the defensive strength of the body as a consequence of its reactions to the natural healing remedies under changed living conditions and a proper sanitary and individual regime. Health resort treatment of children differs in its aim from that of adults; it has its own methods of treatment and its own indications. The fundamental factors in treatment of children are the dosed climatic stimuli. The use of natural remedies such as mineral waters for bathing or drinking cures is of secondary importance. In the Polish health resorts there are about 3000 places for children and this number is gradually increasing.

CEGLINSKI, Stanislaw

~~Electrodiagnosis~~ and electrotherapy in paralysis following Heine-
Medin disease. Polski tygod. lek. 14 no.41:1842-1846 12 Oct 59.

1. (Z Instytutu Balneoklimatycznego w Poznaniu; dyrektor: doc. dr
J. Jankowiak)
(POLIOMYELITIS) (ELECTROTHERAPY)
(ELECTRODIAGNOSIS)

POLAND/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82488

then the next inter-row space should be occupied by intertilled crops or by grasses (clover). With such system of crop rotation, each row of the trees will be surrounded with two different cultures. This will reduce the harmful effect of the cultivation of grain crops. Plans of crop rotations in the intercrop spaces of an orchard are cited. The negative effect of the triennial clover cultivation on the development of fruit plants is emphasized. It is recommended that the cover crops be plowed under in early spring. -- I.S. Skandrakova

Card 2/2

- 117 -

CEGOLEA, A., ing.; EVGHENIDE, C., ing.; SOCOL, S., ing.

Automation in collecting and conveying the crude oil by main pipelines. Petrol si gaze 12 no.3:119-126 Mr '61.

1. Institutul de Cercetari pentru Foraj si Extractie (for Cegolea, Evghenide). 2. Ministerul Industriei Petrolului si Chimiei (for Socol).

CEGOLEA, A., ing.

A device for taking the mean liquid samples from reservoirs. Petrol se
gaze 13 no.3:125-129 Mr '62

1. Institutul de Cercetari pentru Foraj se Extractie, Cimpina.

CEGOLEA, A., ing.

New technological systems for the rationalization and
automation of crude oil transport through pipelines.

Petrol si gaze 15 no. 4:182-188 Ap '64.

CEGOLEA, A., ing.

New technological diagrams for rationalization and
automation of crude oil conveying by pipelines. Pt. 2.
Petrol si gaze 15 no. 6:287-294 Je '64.

L 11205-66

ACC NR: AP6004959

SOURCE CODE: RU/0007/65/016/001/0038/0042

AUTHOR: Todorut, V.; Cegolea, A. (Engineer)

ORG: none

TITLE: Assuring the supply of gas required by the consumers under variable consumption conditions

SOURCE: Petrol si gaze, v. 16, no. 1, 1965, 38-42

TOPIC TAGS: gas flow, parameter, pipeline transportation system

ABSTRACT: The authors discuss the problem of non-stationary gas flow in main lines in terms of the successive stationary stages, studying the variation in the characteristic gas flow parameters and establishing formulae showing the changes with time. The formulae are then used to construct representative curves. Orig. art. has: 6 figures and 13 formulas. [JPRS]

SUB CODE: 13, 20 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 002
SOV REF: 004

Card 1/1

33
B

Ceh, M.

5

✓ Infrared spectra of humic acids and their derivatives. M. Ceh and D. Hudzi (Inst. "Boris Kidric," Ljubljana, ~~Slovenia~~ *Slovenia*, *Fuel* 35, 77-83 (1958)).—Infrared spectra of a no. of humic acid preps., sythetic and from coal, have been investigated. Some of the assignments to typical bands have been made following the alterations produced on methylation of humic acids with various reagents. A close structural relation has been shown to exist between humic acids from various origins. Roger W. Ryan

①

CEH, M.

✓ Aging phenomena of amylose and amylopectin (solutions followed) by light-scattering measurements. M. Čeh and N. Venc (Boris Kidrič Chem. Inst., Ljubljana, Yugoslavia). *Stärke* 11, 200-4 (1959).—The changes in mol. wt. and particle size of amylose and amylopectin in soln. on aging were followed by light-scattering measurements, at 10 and 20°. The technique of the measurements is described in detail. Both the mol. wt. and the particle size of the amylose kept increasing exponentially with time. The relative increase in the mol. wt. was larger, indicating that the aggregates formed became more tightly packed. It is suggested that the aging process for amylose consists in aggregate formation through intermol. H bonding, the aggregates pptg. out on reaching a certain size. The aging process was faster at the lower temp. and at higher amylose concns. The amylopectin solns. aged to a much lesser extent; the mol. wt. increased at 1st and remained practically const. after 15 days. The lesser tendency of amylopectin solns. to form aggregates is tentatively interpreted in terms of its branched structure. J. Schmalz

3

CR

CEH, M.

Iodine sorption capacity in the fresh and aged potato amylose
hydrolyzed with hydrochloric acid. Vest Slov kem dr 8
no.1/2:1-8 Ja-Je '61.

CEHAK, KAREL

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and H-12a
Their Application, Part 2. - Ceramics Glass,
Binders, Concretes. - General Topics.

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22087

Author : Karel Cehak, Miroslav Zeman

Inst : -

Title : Further Results of Chemico-Geological and Geological Studies of Some Czechian Cretaceous Rocks as Raw Material for Light-Weight Building Materials.

Orig Pub : Vest. Ustred. ustavu geol., 1957, 32, No 3, 153-172

Abstract : The deposits of spongillites located West of Prague (Dzhban, Front Kopanina, Repy etc.) are the most advantageous for exploitation and production of light-weight building materials; the SiO₂ contents in these rocks are 54 to 87%, the vol. weight is 2 g per cub.cm or less, calcination losses are 10% or less; the reserves of this raw material are 40 to 60 thousands of cub.m per ha of the occurrence areas.

Card 1/1

CEHAK, K.

Statistical comparison of the radiosondes of Vienna and Budapest.
In German. p. 65.

IDOJARAS. (Meteorologiai Intezet es Magyar Meteorologiai Tarasag)
Budapest, Hungary. Vol. 63, no. 2, Mar./Apr. 1959.

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

CEHAN, Adrian, ing.; BULEU, Gheorghe, ing.

Steam molding of ceramic products in our factory. Constr
Buc 14 no.676:2 22 D'62

1. Seful serviciului mecanic-sef la Fabrica "Zorile Noi"
Piatra Neamt (for Cehan).
2. Seful serviciului productie
de la Fabrica "Zorile Noi", Piatra Neamt (for Buleu)

CEHAN-IONESI, B., MARGINEAU, C., MACAROVICI, N.

Distribution of foraminifers upon the northwest continental platform of the Black Sea. Note I. p. 33

HIDROBIOLOGIA. (Academia Republicii Populare Romine. Comisie de Hidrologie, Hidrobiologie si Intiologie) Bucuresti, Rumania. Vol. 1, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959
Uncl.

MACAROVICI, N.; CEHAN-IONESI, Bica

Distributions of foraminifers on the continental platform of the northwestern part of the Black Sea. II. Studii cerc biol anim 13 no.4: 517-533 '61.

1. Universitatea "Al. I. Cuza," Muzeul de istorie naturala, Iasi. Comunicare prezentata de Th. Busnita, membru corespondent al Academiei R.P.R.

CEHAN-RACOVITA, M.

Some particular phenomena observed in electronic tubes whose screen is not disconnected. Note I. Effects of the slope and negative resistance of the electronic tubes whose screen is not disconnected. p. 759

STUDII SI CERCETARI DE ENERGETICA. Bucuresti, Rumania. Vol. 7, no. 4, 1957

Monthly List of East European Accession. (EEAI) LC, Vol. 8, no. 9, ^{Sept.} 1959
Uncl.

CEHAN-RACOVITA, N.

Negative reaction applied to electronic bridge wattmeters. Note 2.

P. 533 (STUDII SI CERCETARI DE ENERGETICA) (Bucuresti, Rumania) Vol. 7, No. 3
1957

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

RUMANIA / General and Special Zoology. Insects. P
Insect and Mite Pests.

Abs Jour: Ref Zhur-Eiol., No 12, 1958, 54353.

Author : Negru St.; ~~Celaru, I.~~
Inst : C. I. Parhon Univ.
Title : The Recognition of *Ips duplicatus* and the Damage
Caused by It.

Orig Pub: An. Univ. "C. I. Parhon." Ser. stiint. natur.,
1957, No 13, 157-161.

Abstract: A morphological differentiation of the beetles *I.*
duplicatus, *I. amitinus* and *I. typographus*. The
feeding plants of *I. amitinus* and the nature of
the damage done to the trees are indicated.

Card 1/1

RUMANIA / General and Specialized Zoology. Insects. Forest Fauna.

F

Abs Jour : Ref Zhur Biol., No 17, 1958, No 78349

Author : Bogru, St.; Coianu, I.; Ferescan, D.

Inst : "C. I. Perhon" University

Title : Some Observations on the Damage Produced by *Pityokteinos vorontzovi* Jacobs (Coleoptera, Ipsidae).

Orig Pub : An. Univ. "C. I. Perhon", Ser. stiint. natur., 1957, No 14, 161-169.

Abstract : Based on a study of the passages of *Ipsid F. vorontzovi* on 38 spruces, a table is given of schematic drawings of the passages with 1-8 maternal offshoots (the most common is the form with 3 maternal passages). The distribution of the *Ipsid* in Rumania is given, settling there on firs, larch, and Douglas spruce *Pseudotsuga taxifolia* in addition to spruce. ... Author's summary.

Crrd 1/1

RADULESCU, G.A., dr.ing.; CEIANU, M., ing.; GRIGORIU, D., ing.; MIRCEA, E.,
ing; SCHORR, V., ing.

Avoiding furfural degradation, and fighting against corrosion
in the installations for oil extraction. Petrol si gaze 12 no.
12:550-555 D '61.

GRIGORIU, D.; SCHORR, V.; CELANU, M.; CONRAD, M.; ILEA, M.

Influence of technological parameters on the disasphalting with propane; laboratory aspects. Petrol si gaze 13 no.7:310-316 JI '62.

GRIGORIU, D., ing.; SCHORR, V., ing.; CEIANU, M., ing.; ILEA, M., ing.;
CONRAD, M., ing.

Influence of working conditions in the disasphalting with propane.
Petrol si gaze 13 no.10:459-464 0 '62.

GRIGORIU, D.; SCHORR, V.; CELANU, M.; ILEA, M.; MAZAREANU, L.; DESPA, S.;
PLATON, A. I.

Extraction of primary and delayed coking oils obtained from
Nahorkatia crude oil by liquid sulfur dioxide. Petrol si
gaze 14 no.10:509-516 0'63.

GRIGORIU, D.; ILEA, M.; CEIANU, M.; DESPA, St.; MAZAREANU, L.;
POPESCU, R.

Influence of the main parameters on the gas-oil extraction
process with furfurole. Petrol si gaze 15 no. 6:299-305
Je '64.

1. 11216-66 I DJ/WE

ACC NR: AP6004960

SOURCE CODE: RU/0007/65/016/001/0043/0052

AUTHOR: Grigoriu, D.; Ilea, M.; Ceianu, M.; Despa, St.; Mazareanu, L.; Popescu, R.

ORG: none

TITLE: Production of aromatic concentrates from kerosene, gasoline, and diesel fuel by extraction with sulphur dioxide

SOURCE: Petrol si gaze, v. 16, no. 1, 1965, 43-52

TOPIC TAGS: sulfur, oxide, kerosene, gasoline, diesel fuel, aromatic hydrocarbon, chemical reaction

ABSTRACT: A description and discussion of the extraction of kerosene, gasoline and Diesel fuel by means of liquid sulfur dioxide. The authors analyze the influence on the quality and quantity of products obtained of the principal extraction parameters (temperature, solvent ratio, number of stages) as well as of the raw materials used. For kerosene extraction the effect of adding a washing medium to the sulphur dioxide is also studied. Orig. art. has: 6 figures and 20 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none / OTH REF: 012 / SOV REF: 001

HW
Card 1/1

SCHORR, V.; GRIGORIU, D.; CEIANU, M.

Kinetic relations applied to the calculation of the thermal stresses of an equiflux furnace for thermal reforming. Petrol si gaze 16 no.2:119-127 F '65.

L 42289-66 EWP(v)/EWP(k)/EWP(h)/EWP(1)

ACC NR: AP6031674

SOURCE CODE: RU/0007/65/016/002/0119/0127

35
13

AUTHOR: Schorr, V.; Grigoriu, D.; Ceianu, M.

ORG: none

TITLE: Kinetic relations applied to the calculation of the thermic stresses of an equiflux furnace for thermal reforming

SOURCE: Petrol si gaze, v. 16, no. 2, 1965, 119-127

TOPIC TAGS: industrial furnace, thermal stress

ABSTRACT: The authors elaborate a unified kinetic calculation method to determine the heating-reaction zone based on published experimental data, and compare the results obtained by applying the calculations with the results measured in an industrial furnace. An example of technological research on an equiflux furnace for thermal reforming is also included, with the pertinent calculations and measurements. It is shown that calculated data are in good agreement with the experimental ones. Orig. art. has: 8 figures and 8 tables. [JPRS]

SUB CODE: 13, 20 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 003
OTH REF: 005

Card 1/1

Handwritten initials

Handwritten numbers: 0919 0874

DEIANU, V.

Calendarul lucratilor de protectia plantelor. Bucuresti, Agro-Silvica
de Stat, 1955. 273 p. (Calendar for the work of plant protection)

D^a Not in DLC

SOURCE: East European List (EEAL), LC, Vol. 5, No. 3, March 1956

CEIZEL, Pavel

The diet of miners on night shift. Cesk. hyg. 7 no.4:240-243 My '62.

1. Ustav pre vyskum vyzivy ludu, Bratislava.

(COAL MINING) (DIET)

CEIZEL, Pavel, dr.

Share of fats in the food of the population of Slovakia
with consideration of their caloric value. Prum potravin
14 no. 12:628-631 D '63.

1. Ustav pre vyskum vyzivy lidu, Bratislava.

SEJMAN, A.

Orthoptera in the state wildlife reserve near Stoky Kaurlov. p. 122.

GAECPIB; ODDIL PRIRODVEDNY vol. 124, no. 2, 1956

Czechoslovakia

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 7 July 1956