

ZIELINSKI, S.

ZIELINSKI, S. How are wired-concrete ties produced? p. 393.

Vol. 7, No. 10, Oct. 1955

PRZEGLAD KOLEJOWY

TECHNOLOGIY

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

ZIELINSKI, S.

ZIELINSKI, S. Rails for crossings. p. 58

Vol. 8, no. 3, Mar. 1956
PRZEGLAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, V ol. 6, no. 2, 1957

ZIELINSKI, S.

ZIELINSKI, S. Documentation in the field of consumption and reclamation of materials.
Przeegląd. p. 65

Vol. 8, no. 5, May 1956
PRZEGLĄD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

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

ZIELINSKI, S.

ZIELINSKI, S. Blast Furnaces; possibilities of their development. p. 456

Vol. 23, no. 12, Dec. 1956

HUTNIK
POLITICAL SCIENCE
Warszawa, Poland

So: East European Accession Vol. 4, No. 3, March 1957

ZIELINSKI, S.

ZIELINSKI, S. Extracting phenol from sewage. p. 39. GAZA, WODA I TECHNIKA
SANIT ARNA. Warszawa, Poland. Vol. 30, No. 1, Jan. 1956

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

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

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CIA-RDP86-00513R002065110016-9"

ZIELINSKI, Stanislaw

Chemical Abstracts
May 25, 1954
Miscellaneous
Industrial Products

③
✓ Multicomponent complex-reduction oxidation catalyst
Alfons Krausz and Stanislaw Zielinski (Univ. Poznan,
Poland). *Koczniki (Chem.)* 1953, 31(1033) (German sum-
mary). -- Ferric-cupric-ferrocyanide catalyst slowly decomp.
H₂O₂ but greatly accelerates the oxidation of HCOOH by
H₂O₂ at 37°. The activity of this type of catalyst is attrib-
uted to its radical structure and to a continuous valence
change chain of the ferric, ferrous, cupric, and cuprous ions.

Michael Buller

11-11-54

mf

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

B-9

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42627.

Author : Krause A., Zielinski S.

Inst :

Title : The Practical Importance of Catalytic Mutation.

Orig Pub: Przen. chem., 1957, 13, No 9, 503-505.

Abstract: It was ascertained that catalytic activity (CA) of $\text{Cu}(\text{OH})_2$, on oxidation of As_2O_3 with air oxygen in an alkaline medium, depends not only on nature of ions utilized to activate this catalyst (C), but also on the sequence of addition of activating ions in the preparation of the C. C activated with the ions Mn^{2+} , Fe^{3+} and $[\text{Fe}(\text{CN})_6]^{4-}$ (I) has the highest CA when the ions are added in the order Mn^{2+} , Fe^{3+} , I;

Card : 1/2

20

KLOTT, Maria, ZIELINSKI, Stefan

Behavior of hearing in tuberculous patients previously treated
and not-treated with streptomycin. Gruzlica 31 no. 637-640
Je '63.

1. Instytut Gruzlicy, Warszawa

*

ZIELINSKI, Stefan Jan, mgr inz.

Production of pure zinc in rectifying furnaces from secondary
Zn-Al and Zn-Cu-Al alloys and waste zinc. Wiad hut 19
no.7/8:209-211 J1/Ag '63.

ZIELINSKI, T.

On influence of the N^* -state on the nucleon polarization in pion-nucleon scattering. *Bul Ac Pol mat* 11 no.5:333-335 '63.

1. Institute of Theoretical Physics, University, Warsaw.
Presented by L. Infeld.

ZIELINSKI, T.

Description of polarization of arbitrary spin particles by one scalar function. Bul Ac Pol mat 11 no.5:337-339 '63.

1. Institute of Theoretical Physics, University, Warsaw.
Presented by L. Infeld.

ZIELINSKI, T.

Angular correlations for the reaction $\bar{p} + d \rightarrow p + \bar{n} + \omega$.
Acta physica Pol 25 no. 4:589-598 Ap '64.

1. Institute of Theoretical Physics, University, Warsaw.

SKALBA, Danuta; WORONIECKA, Helena; ZIELINSKI, Tadeusz

Detection of the rheumatic factor in hemagglutination reaction with blood cells coated with gamma globulins with the aid of diazo benzidine. Polski tygod. lek. 17 no.24:946-948 Je '62.

1. Z Katedry Mikrobiologii Sl. AM, Zabrze-Rokitnica; kierownik: prof. dr mgr. J. Szaflarski, z Panstwowego Przedsiębiorstwa Uzdrowiska "Ciechocinek" w Ciechocinku; lekarz naczelny: dr C. Sadowski i ze Szpitala Przewlekle Reumatycznego w Goczalkowicach; dyrektor: dr T. Zielinski.

(RHEUMATISM immunol) (GAMMA GLOBULINS)
(HEMAGGLUTINATION)

ZIELINSKI, Tadeusz (adres autora: Sopot, Kosciuszki 35)

Investigation on the role of adrenocortical hormones in pathogenesis of eclampsia. Ginekol pol 25 no.2:207-219 Ap-Je '54. (HEAL 3:8)

1. Z Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej w Gdansk, Kierownik: prof. dr January Zubrzycki.

(STEROIDS, in urine,
*17-keto, in eclampsia)

(URINE,
*17-ketosteroids in eclampsia)
(ECLAMPSIA, urine in,
17-ketosteroids)

ZIELINSKI, T.;PETRUSEWICZ, W.

Quantitative and qualitative changes of blood proteins in
pre-eclampsia and eclampsia. Polski tygod. lek. 6 no. 40:
1305-1312 1 Oct. 1951. (GLML 21:3)

1. Of the Obstetric-Gynecological Clinic (Director--Prof. H.
Gromadzki, M. D.) of Gdansk Medical Academy.

ZIELINSKI, Tadeusz (Sopot, Kosciuszki 35)

Eclampsia according to new physiological aspects. Gin. polska
25 no.3:319-333 July-Sept. 54.

1. Klinika Położnictwa i Chorob Kobietych Akademii Medycznej w
Białymstoku. Kierownik: doc. dr S. Soszka.
(ECLAMPSIA, physiology.)

ZIELINSKI, Tadeusz

HILLER, Jan; ZIELINSKI, Tadeusz

Modification of the size of cells of the superficial layer of the oral epithelium in man. Pol. morph., Warsz. 5 no.2:129-135 1954.

1. Z Zakladu Histologii Prawidlowej i Embriologii Slaskiej Akademii Medycznej. Kierownik: prof. dr T.Pawlikowski.

(MOUTH, anatomy and histology,

changes of size of cells of superficial layer of epithelium in males)

(EPITHELIUM, anatomy and histology,

changes of size of cells of superficial layer in mouth in males)

ZIELINSKI, Tadeusz

Uric acid in the blood in prognosis of pre-eclampsia and eclampsia. Gin. polska 25 no.1:97-104 Ja-Mr '54.

1. Z Kliniki Poloznictwa i Chorob Kobietych Akademii Medycznej w Gdansk. Kierownik: prof. dr med. J.Zubrzycki.

(URIC ACID, in blood,
*in eclampsia, progn. value)

(BLOOD,
*uric acid, in eclampsia, progn. value)

(ECLAMPSIA, blood in,
*uric acid, progn. value)

HAHN, W.E.; ZIELINSKI, T.

Synthesis of aminoalcohols. Pt. 7. Acta chim 9:41-53 '64.

1. Department of Organic Chemistry of the Lodz University.
Presented Nov. 1962.

ZIELINSKI, Tadeusz; LUSZNIENKO, Natalia

Essay of evaluation of immunologic phenomena in neoplastic diseases based on leukery following antigen provocation.
Polski tygod. lek. 11 no.22:961-968 28 May 56.

1. Z Zakladu Radiologii AM w Gdansku--Oddzial Onkologii; kier. prof. dr. med. W. Grabowski. Gdansk, Akademia Medyczna, Zaklad Radiologii, Oddzial Onkologii.

(NEOPLASMS, immunology,

leukery after antigen provocation (Pol))

(LEUKOCYTES,

leukery after antigen provocation in neoplasms (Pol))

(ANTIGENS AND ANTIBODIES,

antigen provocation with leukery in neoplasms (Pol))

ZIELINSKI, Tadeusz

~~Cancer of the cervix uteri in pregnancy; observations on~~
18 cases. Polski tygod. lek. 11 no.43:1817-1823 22 Oct 56.

1. (Z Zakładu Radiologii A.M. w Gdansk; Kierownik: prof.
dr. med. W. Grabowski; z Oddziału Onkologii Ginekologicznej;
Kierownik: doc. dr. med. T. Zielinski) adres: Gdansk Oddz.
Onkologii Ginekologicznej A.M.

(CERVIX NEOPLASMS, in pregnancy,
case reports (Pol))

(PREGNANCY, complications,
cancer of cervix, case reports (Pol))

ZIELINSKI, Tadeusz; SULOCCA, Jadwiga

Early recurrence of uterine cervical cancer after surgical treatment.
Polski tygod. lek. 12 no.12:421-427 18 Mar 57.

1. (Z Zakładu Radiologii A. M. w Gdansk; kierownik: prof. dr. W. Grabowski, z Oddziału Onkologii Ginekologicznej; kierownik: doc. dr T. Zielinski i z Wojewodskiej Poradni Onkologicznej w Gdansk; kierownik: lek J. Sulocka) Adres: Sopot, ul. Kosiuski 35 M. 2.

(CERVIX NEOPLASMS, surg.
early recur. (Pol))

ZIELINSKI, Tadeusz

Present problems of early diagnosis of cancer of the uterus.
Gin. polska 28 no.1:119-132 Jan-Feb 57.

1. Z Zakładu Radiologii A.M. w Gdansk. Oddzial Onkologii
Kierownik: prof. dr. med. W. Grabowski i Wojewodzkiej Poradni
dla Kobiet Kierownik: doc. dr. med. T. Zielinski, Sopot--Kosciuszki
35.

(UTERUS NEOPLASMS, diag.
early, problems (Pol))

ZIELINSKI, Tadeusz

Uterine sarcomas from lymphoreticular system; case of primary,
isolated lymphatic reticulosarcoma of uterine cervix. Gin.
polska 28 no.3:351-362 May-June 57.

1. Z Zakladu Radiologii A.M. w Gdansku Kierownik: prof. dr. med.
W. Grabowski i z Oddzialu Onkologii Ginekologicznej Kierownik:
doc. dr. med. T. Zielinski. Adres: Sopot, ul. Kosciuszki 35.

(CERVIX NEOPLASMS, case reports

reticulum cell sarcoma, lymphatic (Pol))

(SARCOMA, RETICULUM CELL, case reports

lymphatic of uterine cervix (Pol))

ZIELINSKI, Tadeusz; SULOCKA, Jadwiga

Results & evaluation of the mass examinations performed in 1956 in Danzig for the detection of precancerous states & early forms of cancer of the uterine cervix & breast. Polski tygod. lek. 13 no.6: 207-212 10 Feb 58.

1. (Z Zakladu Radiologii A. M. w Gdansk; kierownik: prof. dr med. Witold Grabowski); (Z Oddzialu Onkologii Ginekologicznej; kierownik: doc. dr med. Tadeusz Zielinski i z Wojewodzkiej Poradni Onkologicznej w Gdansk; kierownik: lek. Jadwiga Sulocka.) Adres: Sopot, ul. Kosciuszki 35.

(CERVIX NEOPLASMS, prev. & control
in Poland, mass exam. (Pol))
(BREAST NEOPLASMS, prev. & control
same)

ZIELINSKI, Tadeusz (Sopot, ul. Kosciuski 35 n.2.)

Precancerous conditions and early forms of cervical cancer according to the observations at the Regional Oncological Clinic in Gdańsk.
Polski tygod. lek. 13 no.19:705-711 12 May 1958

1. (Z Oddziału Onkologii przy Zakładzie Radiologii A.M. w Gdańsku; kierownik; prof. dr med. W. Grabowski i z Wojewódzkiej Poradni Onkologicznej dla Kobiet w Gdańsku; kierownik; doc. dr med. T.Zielinski).

(CERVIX NEOPLASMS, statistics,

precancer & early forms, hosp. statist (Pol))

TENCZYNSKI, Leon; ZIELINSKI, Tadeusz

Pseudohermaphroditism & early embryonic tumors of the gonads; pathogenesis of male pseudohermaphroditism. Polski tygod. lek. 13 no.28: 1078-1083 14 July 58.

1. Z Zakladu Radiologii; kierownik: prof. dr med. W. Grabowski; Oddzialu Onkologii Ginekologicznej; kierownik: doc. dr med. T. Zielinski i z II Kliniki Wewnetrznych A. M. w Gdansu; kierownik: prof. dr med. J. Pen-son. Gdansk-Wrzeszcz. ul. H. Sawickiej 5.

(HERMAPHRODITISM, case reports

male pseudohermaphroditism with disgerminoma (Pol))

(DISGERMINOMA, case reports

with male pseudohermaphroditism (Pol))

ZIELINSKI, Tadeusz (Sopot Kosciuszki 35.)

Preinvasive carcinoma of the uterine cervix: clinical problems. Gyn. polska
29 no.4:479-491 July-Aug 58.

1. Z Zakladu Radiologii A. M. w Gdansk Kierownik: prof. dr W. Grabowski
z Oddzialu Onkologii Ginekologicznej i z wojewodzkiej Poradni Onkologicz-
nej w Gdansk Kierownik: doc. dr med. T. Zielinski.

(CERVIX NEOPLASMS

epidermoid carcinoma in situ, diag. & ther. problems (Pol))

(CARCINOMA, EPIDERMOID

in situ, of cervix, diag. & ther. problems (Pol))

ZIELINSKI, Tadeusz (Sopot, ul. Kosciuszki 35.)

Hormone therapy of cancer. Polskie tygod. lek. 14 no.4:179-185
26 Jan 59.

1. Z Zakladu Radiologii A.M. w Gdansk - Oddzial Onkologii; kierownik:
prof. dr W. Grabowski.

(NEOPLASMS, ther.

hormones, review (Pol))

(HORMONES, ther. use

cancer, review (Pol))

ZIELINSKI, Tadeusz; GEORGIADIS, Jerzy; CICHOLSKA, Aniela; JORDAN, Eugenia

Clinical observations on the oncolytic activity of viruses.
Polski tygod. lek. 15 no. 29:1096-1104 18 J1 '60.

1. Z Zakładu Radiologii A.M. Oddziału Onkologii w Gdansk; kierownik
prof. dr med. W. Gradowski i z Instytutu Medycyny Morskiej w
Gdansk; kierownik: doc. dr med. Z. Buczowski
(ADENOVIRUS)
(UTERUS NEOPLASMS ther)

POLAND / Soil Science Tilling. Melioration. Erosion. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48701

Author : Zieliński, Teodor

Inst : Not given

Title : Forestation and Planting Trees and Shrubbery
on the Eroded Territories of the Keletskoye
Voyevodstvo

Orig Pub : Sylwan, 1956, B100, No 4, 63-66

Abstract : This article examines the organizational and technical problems in soil erosion control at Keletskoye Voyevodstvo. Forest plantations, the area of which has an ellipsoid form measuring 60 x 90 - 100 x 150 m, are recommended at the upper parts of ravines and gullies. The center of the plantation should be situated somewhat higher than the top of the ravine.

Card 1/2

GOSZCZYNSKI, Stefan; ZIELINSKI, Wojciech

Colorimetric method of determining oximes. Chem anal 8 no.6:
925-929 '63.

1. Department of Organic Chemistry, Technical University, Gliwice.

ZIELINSKI, W.

"Achievements of the Russian and Soviet sciences in rubber synthesis", p. 558
(Przemysl Chemiczny. Vol. 9, no. 11, Nov. 1953, Warszawa)

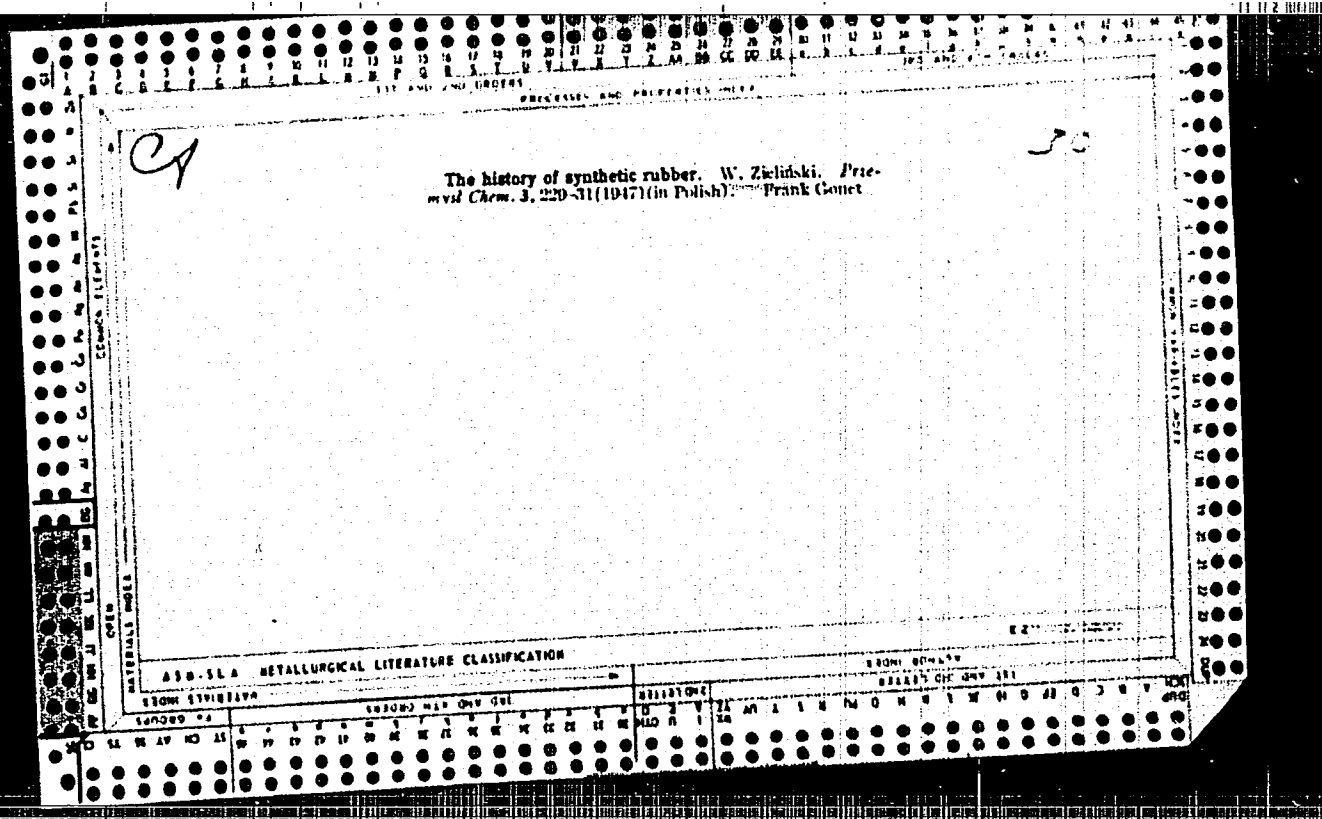
SO: Monthly List of East European Accessions, Vol. 3, No. 3
/Library of Congress, March 1954, Uncl.

ZIELINSKI, W.

Rubber Abst.
Vol. 32 No. 1
Jan. 1954
Synthetic Rubbers and Like Products

4
②
118. Influence of agents, which lower the surface tension of water, on the course of the emulsion polymerization of vinyl chloride. W. ZIELINSKI and M. S. HOMANUSOVA. *Przemysl chemiczny*, 1953, 8, 171-2; *Chem. Tech., Berlin*, 1953, 5, 615-6. A small addition of ethylene oxide to the dispersion medium facilitates the emulsion polymerisation of vinyl chloride with hydrogen peroxide as catalyst. The effect of the surface-active compound on the rate of polymerisation and yield is discussed in relation to the polar nature of the monomer, and results of experiments are given. 3531131.12111

118
4-A-54



S. J. C. J.

*Crude Natural Rubber
& Derivatives*

Natural rubber derivatives. W. ZIMLINSKI.
Pr. emyri Chem., 1949, 30, 602-3; *Chem. Abs.*,
1949, 43, 8721. The chemical and physical pro-
perties, methods of manufacture, and applications
of various derivatives of natural rubber are reviewed.
303

1950

87A

6

1165
Zielinski W., Hertz Z. Some Phenomena Connected with the Polymerization of Methyl Methacrylate in Glass.

539.169 : 542.052 6 : 547.391.3-211

„O pewnych zjawiskach towarzyszących procesowi polimeryzacji metakrylanu metylu w szkło” Przemysł Chemiczny No. 4, 1931, pp. 238-240, 2 figs.

Traces of some radioactive elements, derived from glassware, influence the course of polymerization of methyl methacrylate. This observation may be of value for detecting small amounts of radioactive materials.

ACCESSION NR: AP4043036

P/0046/64/009/02-/0189/0193

AUTHOR: Bardadin, M.; Bartke, J.; Eskrays, A.; Zielinski, W.

TITLE: The emission of neutrons in π^-p interactions at 10 Bev

SOURCE: Nukleonika, v. 9, no. 2-3, 1964, 189-193

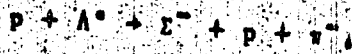
TOPIC TAGS: neutron emission, pi meson, proton, interaction, high energy interaction

ABSTRACT: The emission of neutrons from high-energy interactions was studied by scanning 32,000 photographs (from the 80-cm horizontal beam camera) exposed to the 10-Bev π^- beam of the CERN accelerator. To eliminate most of the background, events were checked against the following criteria: 1) The angle of emission of a "neutral particle" did not exceed 90° ; 2) the distance r between the star and the apex of "neutral secondary interaction" did not exceed 7 cm. A sample of 74 stars associated with "neutral interactions" and situated in a forward hemisphere of 7-cm radius was obtained. Also, "true events"

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ACCESSION NR: AP4043036

and "background" were statistically separated by their dependence on r , with 39.6 ± 11.5 events assumed to be "true events." Two additional criteria were used: there should be no proton among the secondary tracks of the "primary star" and in one-prong interactions where the observed track is a proton, also its angle with the line of flight of the "neutral particle" should be compatible with the kinematics of an n-p collision. The LS angular distribution of neutrons was found to be strongly peaked forward. The momentum distribution of neutrons was determined, then the CMS angular distribution was determined, indicating an upper limit for the neutrons emitted forwards in the CMS as $\leq 23\%$. With a probability of emission of a neutron from a star $a = 0.5 \pm 0.2$, neutrons are emitted in about 50% of π^- -p collisions at 10 Bev. In the discussion, H. Bardadin mentioned the occurrence of an inelastic hyperon interaction -- an inelastic Λ^0 interaction with a proton.



Orig. art. has: 6 figures.

Card 2/3

ZIELINSKI, W.

Properties and application of radiation-regenerated rubber. Magy kem
lap 19 no.6:300-302 Je '64.

1. Nuclear Research Institute, Warsaw.

Distr: 4E2c(j)/4E3d 7

Fractionation of methylchlorosilanes. Witold Zieliński.
Tworzywa-Guma-Lakier 4, Nos. 8-9, 226-311 (1969). The
method used in the fractional distn. of methylchlorosilanes
is described. The components of different azeotropic frac-
tions are given and the results of purifications compared.
F. L. Relidzinski

pa.

2
1-549 (N/A)
2

ZIELINSKI, Wacław

Evaluation of Rehbein's operation in congenital intestinal obstruction in children. Roczn. pom. akad. med. Swierczewski 9: 245-266 '63.

1. Z Kliniki Chirurgii Dziecięcej Pomorskiej Akademii Medycznej
Kierownik: prof. dr Edward Drescher.
(ANUS) (ABNORMALITIES) (SURGERY, OPERATIVE)
(INFANT, NEWBORN, DISEASES)

Distr: 4E2c(j)/4E3d

High-efficiency distillation apparatus. *Witaki, Techniki*
 (Inst. Tworzyw Sztucznych, Warsaw). *Przemysl Chemiczny* 37,
 602-5 (1953). — Z. describes a lab. distn. unit which uses a
 column packed with single-turn helices of 3 mm. diam.
 The column was 1 1/2 in. in diam. and had a total length of
 5 m. When a mixt. of benzene and ethylene chloride was
 distd. at a rate 1500 ml./hr. the column corresponded to 80
 theoretical plates. The distn. app. was used for the distn.
 of a mixt. contg. dimethylchlorosilane 10-50, methyl-
 trichlorosilane 20-60, and a residue 10-25%. This mixt.
 was obtained during the synthesis of methylchlorosilanes.
 P. T. Herdick

6
3 MAY
2

ZIELINSKI, Zbigniew, mgr inż.

Runout of cutting edges for hole machining. Mechanik 37
no.5:265-267 My'64.

1. Polish Committee of Standards, Warsaw.

ZIELINSKI, Zbigniew, mgr inz.

Automatic multichannel measurements. Prace Inst tele-
techn 8 no.1:113-116 '64.

1. Scientific Research Laboratory, Institute of Tele-
communication and Radio Engineering, Warsaw.

ZIELINSKI, WITOLD

V Synthetic ion exchange resins V. Carboxylation-exchange
resins from malic acid Tadensek Radwański et al

The synthesis of carboxylated ion exchange resins from malic acid is described. The reaction of malic acid with formaldehyde and formalin is carried out in the presence of a catalyst. The resulting resin is characterized by its high capacity for exchange of calcium and magnesium ions. The resin is stable in the presence of strong acids and bases. The synthesis is carried out in a batch process at 70°C. The reaction time is 2-3 hours. The resulting resin is washed with distilled water and then with a 5% solution of sodium bicarbonate. The resin is then dried at 70°C for 24 hours. The resin is stored in a dry place. The resin is used for water softening and for the removal of calcium and magnesium ions from water. The resin is also used for the removal of heavy metal ions from water.

5

S/081/63/000/002/055/088
B171/B102

AUTHORS: Rósciszewski, Paweł, Zakrzewski, Lech, Zieliński, Witold

TITLE: Direct synthesis of alkyl chlorosilanes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 404-405, abstract 2N43 (Polish patent 44883, Sept. 21, 1961)

TEXT: Alkyl chlorosilanes are prepared from Si and RCl (R=alkyl) on a Cu catalyst (CT) at 250-400°C. In certain methods of synthesis, besides the most valuable R_2SiCl_2 other compounds such as $RSiCl_3$, R_3SiCl , $RSiHCl_2$, R_4Si , $SiHCl_3$, $SiCl_4$ and traces of some aliphatic hydrocarbons also are separated from the reaction mixture. The Cu-CT may activate the pyrolysis of RCl. The importance of these side reactions can be reduced by supplying RCl without excess and at a rate depending on operating conditions, such as: the activity of the reacting solid phase (Si and Cu); the temperature and contact conditions of the gaseous and solid phases, i.e. the fineness of the contact mass; the speed and method of stirring; the design and dimensions of the reactor, and so on.

Card 1/4

Direct synthesis of alkyl ...

S/081/63/000/002/055/088
B171/B102

The pyrolysis of RCl occurs when the rate of its supply in the reaction zone exceeds a certain optimum value depending on the conditions of operation. According to the present patent, the rate of supply of RCl is modified when the activity of the contact mass and other parameters, such as temperature, are changed. The reaction is started by supplying RCl at a low rate, which is gradually increased as the rate of reaction increases and is then decreased toward the end of the process. It is possible to obtain a practically constant content of R_2SiCl_2 (40-70%) in the reaction products by regulating the rate of supply of RCl in order to ensure that the H_2 -content in uncondensable waste gases (not counting the unreacted RCl) is $\leq 25\%$, that the content of CH_4 and of other hydrocarbons is $\leq 50\%$, and that the total quantity of waste gases is $\leq 20\%$ of RCl supplied. Under a constant load of 53 l/hr per 1 kg of Cu-CT, the yield of R_2SiCl_2 decreases during the reaction (25-110 hrs) from ~ 24 to $\sim 5\%$. When the proposed method is applied, the yield of R_2SiCl_2 is maintained during a period of 45-220 hrs at an almost constant value: 54-58%. This is achieved by the use of a CT load of 16 l/hr per

Card 2/4

Direct synthesis of alkyl ...

S/081/63/000/002/055/088
B171/B102

$(\text{CH}_3)_3\text{SiCl}$ and 10% of CH_3SiCl_3 . The authors give an example of a similar reaction carried out in a steel RT. [Abstracter's note: Complete translation.]



Card 4/4

SODOWSKA, Wanda; ZIELINSKI, Witold

Synthesis of anhydrous formaldehyde. Magy kem lap 16 no.11:
520-523 N '61.

1. Muanyagkutato Intezet, Varso.

ZIELINSKI, Waclaw

A case of true hermaphroditism. *Pediat. pol.* 36 no.6:645-650 '61.

1. Z Kliniki Chirurgii Dzieciecej Dzieciecej Pomorskiej AM w
Szczecinie Kierownik: doc. dr med. E.Drescher.
(HERMAPHRODITISM case reports)

ZIELINSKI, W.

15(8)

FRASE I BOOK EXPLANATION POL/3268

Bojaraki, J., Master of Engineering; J. Brzezinski, Master of Engineering; I. Ebers, Master of Engineering; A. Dobroszynski, J. Iakra, Master of Engineering; E. Jetti, Master of Engineering; Z. Kowalski, Master of Engineering; Y. Kacprzak, Master of Engineering; M. Kowalski, Master of Engineering; V. Laskawski, J. Podbalski, Docent, Doctor; J. Jozefinski, Master of Engineering; Engineering, T. Wifniowski, Master of Engineering; E. Zakrasewski, Master of Engineering; M. Zielinski, Master of Engineering; and E. Szwali, Scientific Coordinator, Master in Science

Co i jak produkować i tworzyć sztucznych (What Can Be Produced From Plastics and How) Warsaw, Państwowe Wyd-wo Techniczne, 1959. 413 p. (Series: Teoretyczna sytuacja przetwarzania i zastosowania) Errata slip inserted. 3,253 copies printed.

Coordinator of the Work: J. Brzezinski, Master of Engineering; Reviewer: St. Chudzyński, Master of Engineering; Scientific Ed. of Publishing House: St. Pieta, Master of Engineering and E. Radziwiłł, Master in Science, Tech. Ed.: A. Urbanicki.

NOTE: This book is intended for chemists and equipment designers in the plastics industry. It will be of interest to students of the plastics industry.

COMMENT: This book, one of a series on the plastics industry, is divided into two parts. The first part discusses the classification of plastics, methods of production, and the most common uses of the end-products. The second part contains a general discussion of individual plastics along with testing methods, methods of processing plastics, thermoelasticity, and thermo-setting plastics. The design, construction, and thermoplastic processing machines are described. The technical parts of extrusion, injection, machining, and welding of plastics are treated. A listing of terminology used in the plastics industry is included. A tab includes the trade names and producers of major plastics. No references are given.

Card 2/8

Country : POLAND
 Category : Chemical Technology. Chemical Products and
 Their Applications. Chemical Engineering
 Abs. Jour : Ref. Zhur.-Khimiya, 1959, No 14, No 49789
 Author : Zielinski, W.
 Institut. : Not given
 Title : High Efficiency Distillation Unit

Orig Pub. : Przem. chem., 1958, 37, No 8, 502- 505

Abstract : Described is the distillation unit for the
 fractionation of mixtures of methylchloro-
 silanes, consisting of a steel still having
 capacity of 24 l, equipped with an electrical
 heater of 1.2 kw rating, a glass column of
 36 mm diameter, 5m in height and filled with
 Fenske's 3mm diameter packing, and a condenser.
 Upper portion of the column is equipped with
 an electromagnetic device that controls ratio
 of reflux and distillate. In testing of the
 unit, while employing ethylene chloride-chlo-
 robenzene (at a liquid rate of 1500 cm³/hour

Card: 1/2

Country :
 Category :
 Abs. Jour : Ref. Zhur.-Khimiya, 1959, No 14, No 49789
 Author :
 Institut. :
 Title :

Orig Pub. :

Abstract : and at a pressure drop of 30mm Hg) it was
 found that effectiveness of the column is
 equivalent to 80 theoretical trays. Presented
 are data for the separation of a mixture of
 methylchlorosilanes at reflux numbers varying
 from 10 - 30. -- V. Sokol'skiy

Cont'd

Card: 2/2

FIELINSKI, W.

P O L .

2664 Zielinski W. Staked Lime and Mortar Factories. *Chim. Przem. 1953, 3, 2664.*

„Fabryki wapna gazowego i zapraw budowlanych”. *Cement. Wapno. Gips. No. 7-8, 1953, pp. 113-116, 5 figs.*

The author reviews a centralised method of producing mortars in factories and describes the industrial methods, as adopted by a number of Polish lime works, of wet and dry process slaking.

ZIELINSKI, W.

✓ 1005. Achievements of Russian and Soviet scientists in the field of rubber technology. *Prace Chém.*, 1953, 32(6), 608-60; *Prace Chém.*, 1954, 1, 73-4. The history of the development of synthetic rubber in Russia is traced. The early work on unsaturated hydrocarbons by A. M. Butlerov and his school, was followed by the polymerization of 2-methyl-butadiene in 1900. This is claimed to be the first rubber synthesis, preceding by several years the technical production of "Methyl-rubber II" in Germany. Early Russian work on vinyl polymers and cation polymerization of butadiene is also mentioned. In the period 1910 to 1915 several processes for synthesizing butadiene were discovered. Six references, dating from 1889 to 1915, are given.

L M A. YOUTZ

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PM

ZIELINSKI, W.

"Kovalov's method in the binding materials industry." p. 188 (CEMENT, WAPNO, GIPS,
Vol. 8, no.9, Sept. 1952, Krakow, Poland)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August 1953, Uncl.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND COVER PROCESSES AND PROPERTIES INDEX

30

GA

Natural rubber derivative. Wacław Zielinski. *Przemysł Chem.* 27, 632-5(1948).--The chem. and phys. properties, methods of manuf., and applications of various derivs. of natural rubber are reviewed. F. G.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND COVER PROCESSES AND PROPERTIES INDEX

1ST AND 2ND COVER PROCESSES AND PROPERTIES INDEX

1ST AND 2ND COVER PROCESSES AND PROPERTIES INDEX

ZIELINSKI, WLODZIMIERZ

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Cement, Concrete, and Other
Building Materials

①
Plants for hydrated lime and ready-mixed mortars,
Wlodzimierz Zielinski. *Cement-Wapno-Gips* 9(18), 113-18
(1954). — A review with 5 flow diagrams 3 for wet and 2 for
dry hydrations. The Moscow plant of ready-mixed mortars
of 120 cu.m. per day capacity by the wet method and Rus-
sian project for 7900 tons/year of hydrated lime by the dry
method are described. F. J. Hendel

MAZONSKI, Tadeusz; GASZTYCH, Dionizy; ZIKLINSKI, Wojciech

Hydroxylation of allyl alcohol with hydrogen peroxide to glycerine in the presence of phosphotungstic acid. *Przem chem* 41 no.5:251-254 My '62.

1. Katedra Technologii Chemicznej Organicznej, Politechnika Slaska, Gliwice i Instytut Ciezkiej Syntezy Organicznej Blachowna, Slaska.

ZIELINSKI, Z. S.

Symmetrical N-n-phase group components, Archiw elektrotech 10 no. 3:
665-683 '61.

ZIELINSKI, Zbigniew, dr inż.

Determination of frequency transients due to sudden disturbances of the active power balance in a power system.
Przeł. elektrotechn 40 no. 2: 78-82 F '64.

1. Instytut Automatyki Systemow Energetycznych, Warszawa.

ZIELINSKI, Zbigniew, dr inż.

Problems connected with automatic frequency disloading.
Energetyka Pol 18 no. 2: 40-43 F '64.

1. Zakłady Energetyczne Okregu Dolnoslaskiego, Wroclaw.

NOWICKI, Waclaw, mgr inz.; ZIEMBINSKI, L., mgr inz.

Review of publications. Gaz woda techn sanit 37 no.6:204,
3 of cover Je '63.

ZIEMBINSKI, Leszek, mgr inz.

Sanitation equipment on seagoing vessels, Gaz woda techn sanit
37 no.11:365-369 N '63.

ZIEMBINSKI, L., mgr inz.

The first underwater tunnel in Argentina. Gaz wodn techn sanit
37 no.1:33 Ja '63.

RUDESCU, I., dr., laureat al Premiului de Stat; ZIEMIANCOVSKI, V., dr.

On the early defoliation of reed in the Danube Delta. Cel hirtie
12 no.7:209-213 JI '63.

1. Membru corespondent al Academiei R.P.R. (for Rudescu).

HAMAN, Stefania; MILKOWSKA-JANKOWSKA, Danuta; ZIEMINSKA, Stefania

Application of brilliant green bile broth in tests confirming the presence of coliform organisms in water and soil. Roczn panstw zakl hig 15 no.1:79-84 '64.

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

DZIERZKOWA, Wanda; OLEARCZYK, Julian; ZIEMNIAK, Jerzy

Apropos of exchange transfusion in newborn infants with ABO incompatibility. I. Preparation of a suspension of washed red cells from the O group in the plasma compatible in the ABO system with infant's blood. Pol. tyg. lek. 18 no.41:1514-1515 7 0 '63.

1. Z Działu Suchego Osocza; kierownik: dr med. J. Olearczyk, Stacji Krwiodawstwa we Wrocławiu.

(ERYTHROBLASTOSIS, FETAL)
(EXCHANGE TRANSFUSION)
(ABO FACTORS) (ERYTHROCYTES)

ZIEMNICKI, Stefan, prof. dr

Combat against soil erosion in the Lublin Province. Przegl
techn 85 no.29:5, 9 19 J1 '64.

RIEDEL, A.; MAGIERA, Wladyslaw, mgr; ZIEMNICKI, Stefan, prof. dr

Review of publications. Gosp wodna 24 no. 4:147-149 Ap '64.

KOSSOWSKI, S.; GIELDANOWSKI, J.; ZIEMSKI, Z.

Research on the ototoxic influence of streptomycin and dihydrostreptomycin studied by means of cochlear microphonics. Otolaryng. pol. 16 no.4:573-580 '62.

1. Z Kliniki Otolaryngologicznej AM we Wrocławiu Kierownik: prof. dr W. Jankowski Z Zakładu Farmakologii AM we Wrocławiu Kierownik: prof. dr J. Hano.

(STREPTOMYCIN TOXICOLOGY)
(COCHLEA)

(DIHYDROSTREPTOMYCIN)

ZIELINSKI, Zbigniew, dr ins.

Problems of design and production of iron castings for the
needs of the chemical industry. Chemik 15 no.7/8:260-264
Jl-Ag '62.

1. Instytut Odlewnictwa, Krakow.

KUS, Stanislaw (Warszawa); ZALEWSKI, Wacław (Warszawa); ZIELINSKI, Zenon
(Warszawa)

The 4th Congress on Prestressed Concrete (FIP) in Rome. Przegl budowl
i bud mieszk 34 no.11:658-661 N '62.

ZIELINSKI, Z

5376

Zieliński Z. Testing of Economical Girders Subjected to Long-Period Loading. 26 624.072.2:624.042.1 4

„Badanie dźwigarów oszczędnościowych na obciążenie długotrwałe”. Inżynieria i Budownictwo, No. 1, 1958, pp. 22-26, 11 figs., 2 tabs.

In experiments so far made with economical girders, work under long-period loading has not been taken into account. Since, however, bendings have been detected in several structures after prolonged use, experiments have been made with three types of girders, with a view to determining their deformability due to long-period loading, such experiments being performed in various stages of loading. The most interesting results were obtained, when, under long-period loading, girders were subjected to bending which increased with time, the bending corresponding to an exponential curve diagram; the increase of deformation in the course of time depended, to a considerable degree, on the character and value of the load; the progressing deformation of the girders depended mainly on the deformability of the girder strips themselves; and the extent of deformation due to long-period loading was relatively small. 26

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ZIELINSKI, Z.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 11, Nov. 1958.

ZIELINSKI, Z. Tadeusz Lugowski; an obituary. p. 367.

Monthly List of East European Accessions (EEAI) LC Vol. 8; No. 4, April 1959,
Unclass.

ZIELINSKI, Z.

Shell girders assembled from segments through prestressing, p. 167.

INZYNIERIA I BUDOWNICTWO. (Naczelna Organizacja Techniczna i Polski Związek Inżynierów i Techników Budowlanych) Warszawa, Poland.
Vol. 16, No. 4, Apr 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,
November 1959
Uncl.

ZIELINSKI, Z.

ZIELINSKI, Z. Constructing a prefabricated ski chute in Warsaw. p. 20
BUDOWNICTWO PRZEMYSLOWE. Warszawa, Poland. Vol. 4, No. 11, Nov. 1955

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

ZIELINSKI, Z.

TECHNOLOGY

Periodical: INZENYRSKE STAVBY. Vol. 3, no. 12, Dec. 1955.

ZIELINSKI, Z. Construction of a ski jump from pre-fabricated concrete parts in Warsaw.
Tr. from the Polish. p. 493.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

ZIELINSKI, Z.

Influence of the distribution of reinforcement on the bearing capacity of a prestressed section subject to bending. p. 118. Vol. 12, no. 4, Apr. 1955. INZYNIERIA I BUDOWNICTWO. Warszawa.

Source: East European Accessions List (EEAL), IC, Vol. 5, No. 3, March 1956.

ZIELINSKI, Z.

Prefabricated vaults of great span based on prestressed girders.

P. 124 (Inżynieria i Budownictwo. Vol. 14, no. 3, Mar. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

ZIELINSKI Z

ZIELINSKI, Z.

The construction of a ski jump of prefabricated prestressed elements in Warsaw.

p. 20 (Budownictwo Przemyslowe) Vol. 4, N^o. 11, Nov. 1955, Warszawa, Poland

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

ZIHLINSKI, Z.; KUS, S.; JAROSZ, JR., T.

"Testing the Cable-Concrete Girders of the Roofs of the Grandstands of the Artificial Skating Rink in Warsaw", p. 19, (INZYNIERIA I BUDOWNICTWO, Vol. 12, No. 1, Jan. 1955, Warszawa, Poland)

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

624.0722 : 690.941.3 : 624.063
 Zieliński Z. Influence of Reinforcement Arrangement on the Bearing Capacity of Prestressed Cross-Sections Subject to Bending.

"Wplyw rozmieszczenia zbrojenia na nośność sprężonej przekroju zginanego". Inżynieria i Budownictwo. No. 4, 1955, pp 118-124, 7 figs.

An analysis of the influence of the arrangement of prestressed wires on prestressed concrete members. Prestressing by cables is not considered because of the small number of tensioning units and the small area they occupy in the cross-section. Moreover, only cross-sections symmetrical in relation to the horizontal axis — i.e. rectangular or double T cross-sections — are considered. The bearing capacity of such members is analysed 1) for triangular diagram of stresses, 2) for prestressing causing tension in the top-part of the cross-section. Different arrangements of the wires are considered: 1) wires grouped together round the centre of gravity of the stressed area, and 2) strings grouped round two outermost points as far apart as possible. The author is of the opinion that to obtain maximum bearing capacity in prestressed members for a minimum of prestressing steel, the wires should be grouped as near as possible to the distal edge of the cross-section. A review is also included here of the most favourable conditions and methods for the transportation and lifting of precast prestressed units.

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L 32843-66 EWP(v)/EWP(k)/EWP(h)/EWP(l) HC

ACC NR: AP6024124

SOURCE CODE: PO/0022/65/000/011/0321/0327

AUTHOR: Zielin'ski, Zbigniew (Master engineer)

ORG: Institute of Telecommunications and Radio Engineering (Instytut Tele- i Radiotechniczny)

53
52
B

TITLE: Coordination between digital measuring instruments and print-out devices

SOURCE: Przegląd telekomunikacyjny, no. 11, 1965, 321-327

TOPIC TAGS: measuring instrument, recording equipment, signal decoding, pulso counter

ABSTRACT: The article deals with systems where digital-type instruments and recording devices are used in combined operation. Two groups of digital meters are considered here, namely: those based on the pulse-time method and those based on the compensation method. As to the recording devices, only those of the "permanent" i.e. print-out type are dealt with. The latter are either direct like a typewriter, programmed like a computer or dynamic. Each of these variations is described and it is explained how each is tied in with the corresponding digital instrument by means of decoding. It is found that printing by the "complement to ten" method is more universal in application with decatron, trochotron counters or with

Card 1/2

UDC: 621.317

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magnetic decades; it cannot be used, however, with the compensation-
or bridge-type meters. Dynamic printing can be done fastest by the
"in flight" method; another simple method is printing the informa-
tion encoded in voltage. The author thanks Master Engineer A. Scwinski for
the many valuable remarks and assistance in programming this material. Orig. art.
has: 8 figures and 2 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 002

15
Card 2/2

ZIELINSKI, Zbigniew

Heterogeneity of basic mechanical properties of gray cast iron.
Prace inst odlewn 10 no.3/4:163-311 '60.

1. Zaklad Badan Wytrzymalosci

ZIELINSKI, Zenon, dr inz.

Prefabricated building from prestressed triangular elements.
Inz i bud 19 no.4:146-151 '62.

ROMANSKI, Jerzy, inż. arch. (Warszawa); ZIMINSKI, Zenon, dr inż.
(Warszawa)

Tropical pavilion made of aluminum. Inz i bud 19 no.8:281-284
Ag '62.

ROBACZYNSKI, Lech, mgr inż. arch (Warszawa); ZIELINSKI, Zenon, dr inż.
(Warszawa)

Construction works of the Silesian School of Medicine in Katowice.
Inż i bud 19 no.8:300-303 Ag '62.

ZIELINSKI, Zenon, dr inż.

Typical universal roof constructions from prestressed concrete
in Poland. Inz i bud 19 no.5:Suppl.: Maly por konstr 3 no.3:13-
21 My '62.

1. Biuro Studiow i Projektow Typowych Budownictwa Przemyslowego,
Warszawa.

ZIELINSKI, Z. (Wroclaw)

Two new species of sheep lung nematodes in the endemic parasitic fauna in Poland. Roczn. nauk roln. wst 70 no.1/4:190-191 '60.
(EEAI 10:9)

(Parasites) (Sheep) (Nematodes) (Lungs)

POLAND / Laboratory Equipment, Apparatus; Their Theory,
Construction and Application

F

Abs Jour : Ref Zhur - Khim., No 10, 1958, No 32290

Author : Zb. Zielinski

Inst :
Title : Apparatus for Continuous Quantitative Absorption of Hydro-
gen Chloride with Water and Method of Computation of Ab-
sorbed Gas.

Orig Pub : Przem. chem., 1957, 13, No 9, 506-508.

Abstract : An absorber for the quantitative determination of HCl
in gases liberated in the result of carrying out continuous
reactions is described. The method of computing the absorbed
HCl is presented.

Card 1/1

2

ZIELINSKI, Zdzislaw

Observation on cultivation of *Trichomonas foetus* from samples preserved in low temperature; preliminary communication. *Wiadomosci parazyt.*, Warsz. 4 no.5-6:601-602; Engl. transl. 602-603 1958.

1. Z Woj. Zakl. Hig. Weteryn. we Wroclawiu.
(*TRICHOMONAS*, culture,
foetus, refrigerated strains (Pol))

ZIELINSKI, Zdzislaw

Observations on the possibility of application of various sera in cultivation of *Trichomonas foetus*; preliminary communication. *Wiadomości parazyt.* Warsz. 4 no.5-6:605; Engl. transl. 606 1958.

1. Z Woj. Zakł. Hig. Weteryn. we Wrocławiu.
(*TRICHOMONAS*, culture,
foetus, on various sera (Pol))

ZIELINSKI, Zdzislaw (Wroclaw)

Proposed legend for a parasitological map. Wiadomosci
parazyt., Warsz. 2 no.5:Suppl:233-234.1956.

1. Wojewodzki Zaklad Higieny Weterynarynej.
(PARASITIC DISEASES, epidemiology,
in Poland, proposed legend for parasitol. map (Pol))

1120

ISSUE: 6(20.6/1972): 720/01

**Kuś S., Zieliński K. The Poststressed Structure of the Walsin's Ice-Flam
Grand Stand.**

„Konstrukcja sprężona trybem słabego łodowiska w Warszawie”
Inżynieria i Budownictwo No. 1 1973 pp. 8, 12, 14 figs.

This article describes concrete girders poststressed by cables constructed as cantilevers for the canopy over a grand stand. The span of the girders is 21 m and height is 12 m. The upper booms of the girders have parabolic form. The cables are placed on the lower straight booms. A description is included of the difficulties encountered in bending the poststressing cables in the upper booms of the girders, together with a number of technical considerations, formulas and diagrams defining the stresses arising and bending moments throughout the girder construction.

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624.072.3.001.4 : 620.173 : 603.982.3 : 720.401

Zieliński Z., Kuci S., Jarosz T. Testing Concrete Girders Posttensioned by Cables for the Canopy over the Warsaw Ice-Ring Grand Stand.

„Badanie dźwigarów kablebetonowych przykrytych trybuną wiatczim-go lodowiska w Warszawie”. Inżynierja i Budownictwo. No. 1, 1946, pp. 19-23, 18 figs., 4 tabs.

Tests were made of the elasticity, load carrying capacity, and behaviour of girders during tensioning, transportation and lifting. The capacity properties of the girders as calculated are discussed and the test described. The deformation was measured during tensioning of two chosen girders and the tabulated deformation values are given here. It was found that the frictional resistance on the bends caused a very considerable loss in the force of tension, and if the cables were tensioned at one end only, the tension at the other would be only one half of what had been anticipated. Thus, tensioning both ends was found to be necessary. In the course of elasticity tests the curve of deflections was plotted. The forming of cracks during the tests revealed that the safety factor was smaller than anticipated in the design, a phenomenon principally due to the friction losses on the bends as mentioned above. In order to raise the safety factor for crack formation to at least 1.2 it was decided to increase the tension. In resistance tests failure occurred when the load was 4950 kg/m in two girders at the cantilever, when the load was 5675 kg/m in two girders in the span, and when the load was 1200 kg/m at the very end of the cantilevers. The deflection of cantilever ends just before failure was approximately 60 cm, i.e. approximately $\frac{1}{190}$ of the cantilever length. The safety factor for breaking was 2/which corresponded to calculations.

Martin L

ZIELINSKI, Z.; KUS, S.

"The Prestressed Construction of Grandstands for the Artificial Skating Rink in Warsaw", p. 8, (INZYNIERIA I BUDOWNICTWO, Vol. 12, No. 1, Jan. 1955, Warszawa, Poland)

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

"Problem of removing phenol from water."
Chemik, Katowice, Vol 7, No 5, May 1954, p. 149

SO: Eastern European Accessions List, Vol 3, No 10, Lib. of Congress