

KOZIEJOWSKI, Stanislaw; ZYCH, Mieczyslaw; GRUDZIEN, Maria; SERENKO, Mieczyslaw

Results of the use of metergin in the 3d stage of labor. Polski tygod.
lek. 16 no.29:1116-1118 17 J1 '61.

1. Z II Kliniki Poloznictwa i Chorob Kobiecych A.M. w Lublinie; kierownik:
doc. dr med. Jozef Tynecki.

(ERGOT ALKALOIDS ther) (LABOR)

SERENKO, Mieczyslaw; ZYCH, Mieczyslaw

Application of adenosinetriphosphoric and ascorbic acids in disturbed contractive action of the uterus muscle, with consideration of the tocographic picture. Ann. Univ., Lublin sect.D 16:389-398 '61.

1. Z Katedry i II Kliniki Poloznictwa i Chorob Kobiecych Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: prof. dr med. Jozef Tynacki.

(ASCORBIC ACID)
(LABOR)

(ADENOSINE TRIPHOSPHATE)
(DYSTOCIA)

ZYCH, S.

Problems of biometeorologic studies in the 5-Year Plan. p.76.

PRZEGLAD GEOFIZYCZNY. Warszawa, Poland. Vol. 4, no. 1, 1950.

Monthly List of East European Accessions (EEAI), IC. Vol. 8, No. 9, September 1959
Uncl.

Meteorological Abst.
Vol. 4 No. 3
March 1953
Climatology and
Bioclimatology

45-244 ✓
Zych, Stanislaw. Przegląd literatury z zakresu klimatologii miast. [Review of literature on climatology of cities.] *Przegląd Meteorologiczny i Hydrologiczny*, 1950/1951:227-230 1951. DWB—The author reviews some international literature which would be helpful in the projected description of the climate of the most important Polish cities. *Subject Headings:* 1. Meteorological literature 2. Urban climates 3. Poland.—Wanda Tomczykowska.

551.582:551.588.7(02)(434)

① Geo

Geo 

Meteorological Abst
Vol. 4 No. 2
Feb. 1953
General Meteorology

4.2-17 ✓

351.5:06(438)

Zych, Stanisław. Konferencja Światowej Organizacji Meteorologicznej w Paryżu. [Conference of the World Meteorological Organization in Paris.] *Przegląd Meteorologiczny i Hydrologiczny*, Warsaw, v. 1950/1951:252-256, 1951. DWB--Report of the conference, held in Paris in 1951, with a list of the elected officers. Reasons for organizing the W.M.O. and its aims. *Subject Headings:* 1. World Meteorological Organization 2. Conferences 3. Poland.—Wanda Tomczykowski

Meteorological Abst.
Vol. 4 No. 5
May 1953
General Meteorology

4.5-21
Zych, Stanislaw; Parczewski, W. and Sienk, Edward. Zestawienie polskiej literatury naukowej powojennej z zakresu meteorologii (1944-1950). [A catalogue of Polish postwar scientific literature in the field of meteorology (1944-1950).] *Przeegląd Meteorologiczny i Hydrologiczny*, v. 1950/1951:346-351, 1951. DWB—Ninety-six items, containing books and articles from this field, written by Polish meteorologists in seven languages: Polish, English, French, Spanish, Hungarian, Italian and German. *Subject Headings:* 1. Bibliographies 2. Progress in meteorology 3. Poland.—W. Tomczykowski. SSI 5-016(438)

3
③ Geo

ZYCH

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For
B Geo

Meteorological Abst.
Vol. 4 No. 11
Nov. 1953
Climatology and
Bioclimatology

4.11-244
Zych, Stanislaw. Uwagi o klimacie Pomorza. [Remarks on the climate of Pomerania.]
Przeegląd Meteorologiczny i Gydologiczny, No. 1/2:82-91, 1932. 6 tables, 7 refs. MIJ-BIH-
The climate of Pomerania varies from a maritime type in the NW to a continental eastern
European type in the SE. The author presents a summary of temperature, pressure, wind,
precipitation, cloudiness and snow cover data based on long period observations (observation
period is not indicated). Subject Headings: 1. Climatic data 2. Pomerania, Poland. -N.T.Z.

551.532(438)

Lalke

ZY

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CIA-RDP86-00513R002065720019-9

PERMUTU.E

AMS

3.5-209

551.525.4

Zych, Stanislaw, Temperatura w powloce ziemi. (Temperature of the earth's crust.) Gazeta Obserwatora PIM, Warsaw, 4(3):3-5, March 1951, 2 figs., table. DLC- The article gives internal temperatures of the earth at different depths and at different points: the geothermic scale. Some information on internal temperature of the earth in different regions of Poland is also presented. Subject headings: 1. Earth temperatures 2. Thermal gradient 3. Poland. - A.M.P.

ZYCH, S.

Mieczyslaw Makusch; an obituary, p. 2. (GAZETA OBSERWATORA, P.I.H.M., Warszawa, Vol. 8, no. 1, Jan. 1955.)

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

ZYCH, S.; PASZYNSKI, J.; ORLICZ, M.

The climatic conditions in Zakopane and its neighborhood, p. 271.

Panstwowy Instytut Hydrologiczno-Meteorologiczny. WIADOMOSCI SLUZNY HYDROLOG-
ICZNEJ I METEOROLOGICZNEJ.
Warszawa, Poland. Vol. 6, no. 5, 1959

Monthly List of East European Accessions (EFAI) IC, Vol. 8, no. 7, July 1959

Uncl.

ROZANSKI, Stanislaw; TARAJKOWSKA, Mieczyslawa; ZYCH, Stanislaw

Some results of researches on the climate of Lodz. Przegl
geofiz 6 no.1/2:19-20 '61.

ZYCH, Stanislaw (Lodz)

Remarks on the spatial development plan for the Witow-Bukowina zone and the town of Zakopane; (from the climatological point of view). Przegl geofiz 7 no.1:37-47 '62.

ZYCH, Stanislaw

Henryk Arctowski, 1871-1958. Review Pol Academy 6 no. 4:21-30
O-D '61.

1. Polish Meteorological and Hydrological Society, Warsaw.

ZAWASZKA, Alina; ZYCH, Stanislaw

Influence of the surface configuration on the spread of aerosol
as seen in the example of the town of zgierz. Przegl geofiz 6
no.1/2:27-32 '61.

ZYCH, Stanislaw

Henryk Arctowski, 1871-1958; a biographic sketch. Nauka Polska 9
no.3:201-212 '61.

1. Polskie Towarzystwo Meteorologiczne i Hydrologiczne.

STANDARD

APPROVED FOR RELEASE Thursday, September 26, 2002

CIA-RDP86-00513R002065720019-9

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28

[Faint, mostly illegible text and markings, possibly including a signature or stamp]

SIAM

550 4 178

6.9-42
Zych, Stanislaw. Gdzie i jak studować geofizykę na stopniu uniwersyteckim [Where and how to study geophysics at the university level]. *Gazeta Oświatowa* 1951. Warsaw 4:4 16. April 1951. DLC—A concise review of the programs and institutions teaching the science of geophysics at the university level and its main subdivisions, including the lithosphere, hydrosphere, atmosphere and neotectonics is presented and it is also shown that the demand for educated and specialized workers in the field is increasing in Poland. Subject Headings: 1. Teaching of geophysics 2. Poland

EE was Jan

DARMO, V.; ZYCH, V.

Use of the electronic amplifier of the radiograph in arthro-
graphy of the knee joint. Cesk. rentgen. 17 no.4:264-267
Jl '63.

1. Rontgenologicka zakladna SUDL v Martine, veduci doc. dr.
A. Lanyi.

(KNEE) (RADIOGRAPHY) (RADIATION PROTECTION)
(ELECTRONICS) (TECHNOLOGY, RADIOLOGIC)

Chemical Abstracts
May 25, 1954
Biological Chemistry

2
Electron-microscope studies on the morphology of influenza virus. Anton Feltenow and Zofia Zych. *Med. Doświadczalna i Akad.* 3, 423-34 (1953). Taylor, et al., *Nature* 171, 256 (1953).—Influenza virus (Type A) grown on chick embryo allantoic fluid, was purified by a simplified Taylor, et al., method (C.A. 33, 5291) i.e. by adsorption on chick red cells followed by elution with NaCl. Clear pictures of the virus were obtained. I. Z. B.

4-29-54

Virology Dept,
State Inst. of Hygiene

YELTINOWSKI, A., ZYCH, Z.

Influenza virus adsorption of chicken erythrocytes; electron microscopy.
Med. dosw. mikrob. 5 no.4:431-434 1953. (GIML 25:5)

1. Of the Virusological Department (Head--Prof. F. Przesmycki, I D.)
of State Institute of Hygiene, Warsaw.

PRZESMYCKI, Feliks; DOBROWOLSKA, Halina; WALKOWSKA, Elzbieta; ZYCH, Zofia

Antigenic analysis of structure of strains of influenza virus.
Med. dosw. mikrob. 6 no.2:206-212 1954.

1. Z Oddzialu Wirusologii Panstwowego Zakladu Higieny.

Kierownik: prof. dr F.Przesmycki.

(INFLUENZA VIRUSES, immunology,

*antigenic structure)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720019-9
PRZESNYCKI, Feliks; SOBROWOLSKA, Halina; FELTYNOWSKI, Antoni; STANCZYK, Regina; WALKOWSKA, Elzbieta; ZYCH, Zofia; (techniczny wspoludzial)
CIEPINSKA, Swietlana; GORZELSKA, Krystyna

Laboratory characteristics of the epidemic of influenza in 1953.
Med. dosw. mikrob. 6 no.3:241-251 1954.

1. Z Oddzialu Wirusologii Panstwowego Zakladu Higieny. Kierownik:
prof. dr.F. Przesnycki.
(INFLUENZA, epidemiology,
Poland, statist. analysis)

~~PRZESMYCNI, Feliks; WALKOWSKA, Elzbieta; DOBROWOLSKA, Halina; ZYCH~~
~~Zofia; FELTYNOWSKI, Antoni; PRZYBYLIKIEWICZ, Zdzislaw; ZANSKI,~~
Jerzy

Vaccination against influenza. Med.dosw. mikrob. 6 no.4:345-358 1954

1. Z Panstwowego Zakladu Higieny w Warszawie, Oddzialu Wirusologii.
Z Krakowskiej Wytworni Surowic i Szczepionek w Krakowie. Z
Miejskiej Stacji Sanitarno-Epidemiologicznej w Lodzi.
(INFLUENZA, prevention and control,
vacc.)
(VACCINES AND VACCINATION,
influenza, results)

Przesmycki, H. Dobrowolska Z. Pylh. and 1066 Influenza epidemia
Lad. pub. 1944 4

1/20

1/20

PRZESMYCKI, Feliks; DOBROWOLSKA, Halina; ZYCH, Zofia; PRZYTYNOWSKI, Antoni;
przy współudziale techn. Hanny Cieplinskiej i Krystyny Zgorzelskiej

Laboratory characteristics of the 1954-55 epidemic of influenza.
Przegl. epidem., Warsz. 10 no.2:97-102 1956.

1. Z Zakładu Wirusologii P.Z.H. Med. Dosw. i Mikrob. 1954, 3,
241.

(INFLUENZA, epidemiology,
in Poland (Pol))

ZYCHIEWICZ-KRANKOWSKA, Danuta; ROGOWSKA, Jadwiga

Past results in the treatment of psychoses with meleryl. Polski tygod.
lek. 16 no.13:476-478 27 Mr '61.

1. Z Kliniki Psychiatrycznej A.M. w Białymstoku; kierownik: doc. dr
med. Lucjan Korzeniowski.

(TRANQUILIZING AGENTS ther) (SCHIZOPHRENIA ther)
(PSYCHOSES ther)

ZYCHIEWICZ-KRANKOWSKA, Danuta

Paranoidal schizophrenia of sudden onset. Neuroj., neurochir.,
psychiat. Pol. 14 no. 4 1965-653 J1-Ag '64.

1. 2 Klinika Psychiatrycznej Akademii Medycyny w Białymostku.
(Kierownik: prof. dr. med. L. Korzanowski).

ZYCHIEWICZ-KRANKOWSKA, Danuta

Past results of the use of the DLE preparation (Ipronal) in some mental disorders. Postepy hig.med.dogw. 17 no.6:823-826 N-D'63.

1. Z Kliniki Psychiatrycznej AM w Białymstoku; kierownik: prof.dr.L.Korzeniowski.

*

ZYCHIEWICZ-KRANKOWSKA, Danuta

Stupor syndrome during the course of a schizophrenia-like syndrome
in multiple sclerosis. Neur. &c. polska 10 no.1:149-151 Ja-F '60.

1. Z Kliniki Psychiatrycznej A.M.B. w Białymstoku, Kierownik:
L. Korzeniowski.

(SCHIZOPHRENIA compl.)
(MULTIPLE SCLEROSIS)

ZYCHLINSKI, Włodzimierz, inż.

Combustion and a.c. electric propulsion drive for trawlers.
Bud okretowe Warszawa 7 no.8:264-265 Ag '62.

1. Centralne Biuro Konstrukcji Okretowych nr 1., Gdansk.

The case of congenital ala nasi fistula in the region connected with the nasolacrimal duct. Klin. oczna 32 no.3:277-280 '62.

1. Z Oddziału Okulistycznego PSK w Krakowie Ordynator: dr med.
A. Musiał [deceased] Z Kliniki Chorob Uszu, Nosy i Krtani AM
w Krakowie Kierownik: prof. dr med. J. Miodowski.
(NCSE) (FISTULA) (LACRIMAL APPARATUS)

CELINSKA, Wacława; GOLEDZINOWSKA, Lucja; SZPAKOWSKA, Wanda; ZYCHOWICZ,
Czesław

Effect of steroid hormones on the course of chickenpox.
Polski tygod. lek. 16 no.42:1615-1618 16 0 '61.

1. Z I Kliniki Chorob Dzieci A.M. w Gdansku; kierownik: prof.
dr med. K.Ercinski.

(CHICKENPOX ther) (ADRENAL CORTEX HORMONES ther)
(CORTICOTROPIN ther)

Inflammation of the larynx and lower respiratory tract in measles in children. *Pediat. pol.* 37 no112:1289-1296 D '62.

1. Z I Kliniki Chorob Dzieci AM w Gdansk Kierownik: prof. dr med.
K. Erecinski.

(MEASLES) (LARYNGITIS) (TRACHEITIS)
(BRONCHITIS)

ZYCHOWICZ, Czesław

Iodine content in the water and the incidence of goiter in children and adolescents on the sea shore of the Gdansk region. Pol. tyg. lek. 19 no.26:986-989 22 Ja'64

1. Z I Kliniki Chorob Dzieci Akademii Medycznej w Gdansku;
kierownik: prof. dr. med. K. Erecinski.

ZYCHOWICZ, Czesław; Kulczyńska, Krystyna; SKARZYŃSKA, Halina; USZYCKA-KARCZ, Marta

Studies on the incidence of cystic fibrosis of the pancreas in children from Gdansk and Gdynia. *Pediat. Pol.* 40 no.3:289-293
Mr '65

1. Z I Kliniki Chorob Dzieci Akademii Medycznej w Gdansku
(Kierownik: prof. dr. med. K. Ereciński).

ZYCHOWICZ, Czeslaw

The problem of genetics in etiopathogenesis of pituitary
dwarfism. Pol. tyg. lek. 19 no.20:745-747 11 My '64.

1. Z I Kliniki Chorob Dzieci Akademii Medycznej w Gdansk
(kierownik: prof. dr. med. K. Erecinski).

A case of abortive gargoylism with lymphocytic Alder's granulations.
Pol. tyg. lek. 19 no.7:259-261 10 F '64.

1. Z Kliniki Chorob Dzieci AMG (kierownik: prof. dr med. K. Erecinski) i z Kliniki Radiologii i Radioterapii AMG; (kierownik: prof. dr med. W. Grabowski).

Primary pneumonia in the course of varicella in children. Polski tygod.
lek. 16 no.28:1074-1076 10 J1 '61.

1. Z I Kliniki Chorob Dzieci AMG w Gdansk; kierownik: prof. dr med.
K. Erecinski.

(CHICKENPOX compl) (PNEUMONIA in inf & child)

ZICHOWICZ, Czeslaw; STOLARCZYK, Julian

Contribution to the problem of lipid nephrosis in children. Polski tygod. lek. 16 no.20:764-766 15 My '61.

1. Z I Kliniki Chorob Dzieci A.M.G.; kierownik: prof. dr med. E. Erecinski i z Zakladu Anatomii Patologicznej A.M. w Gdansku; kierownik: prof. dr med. W. Czarnocki.

(NEPHROTIC SYNDROME in inf & child)

ZYCHOWICZ, Czeslaw; WISNIEWSKA, Krystyna

Congenital deglutition disorders in an infant with damages of the central nervous system. *Pediat Pol* 37 no.2:169-172 F '62.

1. Z I Kliniki Chorob Dzieci AM w Gdansk Kierownik: prof. dr med. K. Brecinski.

(DEGLUTITION DISORDERS in inf & child)
(BRAIN dis) (INFANT NEWBORN dis)

Skin eruptions as a sign of infectious hepatitis in children.
Pediat pol 36 no.11:1145-1151 N '61.

1. Z I Kliniki Chorob Dzieci AM w Gdansku Kierownik: prof. dr
K.Erecinski.
(HEPATITIS INFECTIOUS diag) (SKIN dis)

SWICOWA, Klementyna; ZYCHOWICZ, Czeslaw

Intestinal parasitic infection complicated by pneumonia, encephalitis
and meningitis. *Pediat. Pol.* 37 no.5:529-534 My '62.

1. Z I Kliniki Chorob Dzieci AM w Gdansk Kierownik: prof. dr med.
K. Erecinski.

(HELMINTHIASIS in inf & child)

(PNEUMONIA in inf & child)

(ENCEPHALITIS in inf & child)

(MENINGITIS in inf & child)

BITTEL-DOBRZYNSKA, Nadzija; ZYCHOWICZ, Czeslaw

A case of diabetes in a child with pronounced fat intolerance.
Pediat.polska 34 no.10: 1328-1332 0 '59.

1. Z I Kliniki Chorob Dzieci A.M. w Gdansk. Kierownik: prof.dr.
med. K.Krecinski.

(FATS)

(DIABETES MELLITUS compl.)

ZYCHOWICZ, Czeslaw; SLIWINSKA, Krystyna; KOZLOWSKI, Kazimierz

Hunter-Hurler and Morquio types of mucopolysaccharidoses.
Pediat. Pol. 40 no.8:815-823 Ag '65.

1. Z I Kliniki Chorob Dzieci AM w Gdansk (Kierownik: prof.
dr. E. Erecinski) z Wojewodzkiego Specjalistycznego Szpitala
Dzieciecego w Olsztynie (Dyrektor: lek. med. O. Szwalkiewicz)
i z I Kliniki Chorob Dzieci AM w Poznaniu (Kierownik: prof.
dr. T. Rafinski).

POLAND/ Analytical Chemistry. Analysis of Inorganic Substances. G-2

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27155.

Author : Wlodzimierz Hubicki, Zofia Zychiewicz.

Inst : M. Curie-Sklodowska Universitu. *Lublin*

Title : Polarographic Determination of Cadmium in Liquid Ammoniate of Lithium Nitrate.

Orig Pub: Ann. Univ. M. Curie-Sklodowska, 1954 (1956), AA9, No. 1-9, 71 - 82.

Abstract: The possibility of the polarographic determination of Cd in liquid LiNO_3 ammoniate (temperature $+8^\circ$, dropping Hg catode and Hg anode) was established. Free from water $\text{Cd}(\text{NO}_3)_2$, CdCl_2 and $(\text{CH}_3\text{COO})_2\text{Cd}$ are soluble well in liquid ammonia

Card 1/2

POLAND/ Analytical Chemistry. Analysis of Inorganic Substances. G-2

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27155.

and produce well expressed waves when polarographed. The dependence between the magnitude of the diffusion current and the concentration of Cd^{2+} is linear. The half-wave potential for Cd^{2+}/Cd is equal to - 0.78 V.

Card 2/2

(J) 8

2462. Potentiometric determination of selenous acid by means of mercurous nitrate. ~~N. Trubnik, H. Sikorska, and S. Zychowicz~~
 (*Ann. Univ. M. Curie-Skłodowska*, 1950, B, [A.1], 73-84). The selenous acid is determined potentiometrically in a slightly acid medium by titration with $Hg_2(NO_3)_2$. Ag or Pt amalgam electrodes and saturated calomel or saturated Pb^{2+} selenite electrodes are used. The rise of potential at the equivalent point amounts to 40-40 mv. The error of the method varies between 0.15 and 0.75%. The presence of nitrate, sulphate, selenate, and chloride ions in the solution does not interfere with the determination. The results of 29 determinations are reported and potentiometric curves are given. S. K. LACHOWICZ.

ZICHLEWICZ-KRANKOWSKA, Danuta

Effect of α -phenyl-2-piperidine methyl acetate (ritalin) on stupor.
Polski tygod. lek. 14 no.6:276-281 9 Feb 59.

1. (Z Kliniki Psychiatrycznej A.M. w Białymstoku; kierownik: L. Korzeniowski). Choroszcz k/Białegostoku Klin. Psychiatryczna A.M.B.
(METHYLPHENIDYLACETATE, ther. use
stupor (Pol))
(MENTAL DISORDERS, ther.
methylphenidylacetate in stupor (Pol))

USZYCKA-KARCZ, Marta; ZYCHOWICZ, Czeslaw

Pulmonary form of mucoviscidosis in 2 related infants. Report of 2 cases. Polski tygod.lek. 15 no.32:1239-1241 8 Ag '60.

1. Z I Kliniki Chorob Dzieci A.M. W Gdansku; kierownik; prof. dr. med.
K. Erecinski

(PANCREATIC CYSTIC FIBROSIS compl.)
(LUNG DISEASES in infancy & childhood)

WISNIEWSKA, Krystyna; ZYCHOWICZ, Czeslaw

Meningitis and encephalitis in a newborn infant caused by Escherichia coli. Polski tygod. lek. 14 no.38:1712-1714 21 Sept 59.

1. (Z Kliniki Chorob Dzieciacych G. A. M: kierownik: prof. K. Brecinaki).
(MENINGOENCEPHALITIS, in inf. & child) (INFANT, NEWBORN, dis.)
(ESCHERICHIA COLI INFECTIONS, in inf. & child)

ZYCHOWICZ, Czesław

Carriers of diphtheria bacilli & diphtheria incidence in day nursery conditions; concerning personal observations. Polski tygod. lek. 13 no. 43:1676-1677 27 Oct 58.

1. Z I Kliniki Chorob Dzieciacych A.M. w Gdansk; Kierownik: prof. dr med. K. Erecinski.

(DIPHTHERIA, epidemiol.

in day nurseries, carriage of bacilli (Pol))

ZYCHOWICZ, Jadwiga, inz.

Pologen dyes. Chemik 16 no.9:277-279 S '63.

ZYCHOWICZ, Marian, inz.

Swedish Morgardshammars rolling mills. Wiad hut 19 no. 6:
152-156 Je '63.

ZYCHOWICZ, P.

ZYCHOWICZ, P. Planning railroad transportation in the German Democratic Republic. p. 395.

Vol. 7, No. 10, Oct. 1955

PRZEGLĄD KOLEJOWY

TECHNICZNY

Warszawa, Poland

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

WISNIEWSKI, B. inz.; ZYCHOWICZ, W., inz.

Selected problems connected with the testing of indicators
of the production output of Mechanical Departments. Techn
motor 13 no.10: Supplement: biul inf OBR 9 no.5:1-2 0'63.

WISNIEWSKI, P., inż.; ZYCHOWICZ, W., inż.

Analysis and balance of the production capacity and reserves
of a factory producing automobile parts. Techn note 13 no. 6:
Supplement: Bul. inż. 1963 no. 4:1-2 Ag '63.

KUCZEWSKI, Konrad; ZAWALSKA, Krystyna; ZYCHSKA, Janina

Anesthesia in cesarean section. Pol. tyg. lek. 16 no.51:1971-1973
18 D '61.

1. Z I Kliniki Położnictwa i Chorob Kobietych A.M. w Poznaniu; kierownik:
doc. dr med. W. Michalkiewicz)

(CESAREAN SECTION anesth & analg)

ZYCINSKI, K; MIKUCKI, A.

The stretching of belts of underground belt conveyers. p. 192.

PRZEGLAD GORNICZY. Katowice, Poland, Vol. 5, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), IC, Vol. 8, no. 9, September, 1959.

Uncl.

MISKIEWICZ, Marian; ZYCKA-JASTRZEBSKA, Mircalara; KARPINSKA, Kryatyna;
KLIMEK, Halina; MACIESOWICZ, Jozef

An attempt to appreciate the level of medical care, application
and time of physicians in the out-patient departments in towns
and in the country. Zdrow. publiczne 1/2:39-53 Ja-7'65.

ROSINSKI, Henryk, inż.; ZYCKI, Jerzy, mgr inż.

Modernization of higher technical education. Przegl techn
84 no. 39: 1,3 29 S '63.

ZYCKI, Z.

Development of motors of fractional power, p. 73, Vol. 15, no. 4, Apr. 1955,
WIADOMOSCI ELECTROTECHNICZNE
Vol. 15, no. 4, April 1955

SO:MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

MOSZEW, J.; ZYCZKOWSKA, T.

Anthracenyl derivatives of quinoline and benzodiazanthracene.
Bul chim PAN 12 no.7:451-454 '64.

1. Department of Organic Chemistry of Jagiellonian University,
Krakow. Submitted April 8, 1964.

KRZYS, Wieslaw, ZYCKOSKI, Michal

A certain method of so-called parametric optimum strength design. Rozpr inz PAN li no. 4: 643-666 '63.

1. Katedra Mechaniki Technicznej, Politechnika, Krakow.

ORKISZ, Janusz, ZYCKOSKI, Michal

Small elastic plastic deflections of a beam with arbitrary cross section. Rozpr inz PAN 11 no. 4: 677-712 '63.

1. Katedra Statyki Budowli i Katedra Mechaniki Technicznej, Politechnika, Krakow.

MOSZEM, Jany ZYCKOWSKA, Toron

Effect of alpha and beta anthracene substituents on the absorption potential of 4-anilinoquinoline and 3,9-diazabenzanthracene in ultraviolet. Prace chem Krakow no.9:51-56 '64.

1. Department of Organic Chemistry of Jagiellonian University, Krakow. Submitted October 1, 1962.

WOLTER, Malgorzata; ZYCZKOWSKA, Teresa

Electric conductivity of polycrystalline β -naphthol. Roczniki chemii 36 no.1:137-140 '62.

1. Institute of Physical Chemistry, Polish Academy of Sciences, Krakow.

ZYCKOWSKI, M.

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Zyckowski, M. Increasing the Accuracy of Kinematic Calculations of a Crank System.

Polish Technical Abst.
No. 1 1954
Mechanics, Electrotechnics, Power

„Zwiększenie dokładności obliczeń kinematycznych układu korbowego”. Przegląd Mechaniczny, No. 1, 1953, pp. 21-25, 2 figs., 1 tab.

The aim of this paper is to show that it is possible to increase the accuracy of kinematic calculations of an ordinary crank system without increasing (or only slightly increasing) the effort called for by the calculations in practice. This is possible because the expansion of the function into a power series, and the removal of terms small in relation to one, do not occur (as is the usual practice) at the beginning of the calculation; it is only the final formulas, usually complicated, that have been simplified by expanding the function into a rapidly converging power series. In those cases where the power series was also too complicated, the results are presented in the form of tables, suitable for direct use in practice.

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696. Zyczkowski, M., Increased accuracy in calculating the piston motion in a simple crank mechanism (in Polish), *Prace Inst. Mech.* 12, 1, 21-25, Jan. 1953.

The calculations of the displacement, velocity, and acceleration of the piston in a simple crank system are troublesome. The author, analyzing the faults resulting from the usual simplified methods and criticizing Tolly's parabolic formula which expresses the acceleration of the piston, proposes to increase the accuracy of the calculations by applying series formulas for the displacement, velocity, and acceleration of the piston, taking into consideration a number of terms depending upon the demanded accuracy. To simplify the calculations of the acceleration of the piston $a = b\omega^2$, $b = f(\lambda, \rho)$, author gives a table of values of the coefficient b depending upon λ and ρ , where λ is the ratio of the crank radius R to the connecting rod length L , and ρ is the ratio of the instantaneous displacement of the piston to its stroke $2R$ (ω constant angular speed of the crank). Author, applying the method to the "M20" motor, has shown that, with little difficulty, one can obtain great accuracy by calculating, in the example, the acceleration of the piston a in the fall of its stroke ($x = R$) and the position of the piston x_0 corresponding to a zero value for the acceleration. K. Walski, Poland.

Applied Mechanics
 Reviewer U. 7
 Mar, 1954
 Mechanics (Dynamics,
 Statics, Kinematics).

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SECRET

ZYCZKOWSKI, M.

Simultaneous tension and torsion of a circular bar in the elasto-plastic range. p.51.

BIULETYN. Varsovie

Vol. 3, no. 2, 1955. In English.

So. East European Accessions List

Vol. 5, No. 9

September 1956

ZIEMKOWSKI, R.

An experiment with simultaneous combined tension and torsion of a circular bar in the elastic-plastic range. p. 285

ROZPRAWY INZYNIERSKIE vol. 3, no. 2, 1955

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no. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

Elastic-plastic crack of a nonprismatic bar. In German. p. 129.
ODZIEZ, Lodz. Vol. 3, no. 3, Mar. -May 1956.

SOURCE:

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

ACC NR: AP6021976 (A) SOURCE CODE: PO/0006/66/014/002/0199/0213

AUTHOR: Mazurkiewicz, Stanislaw; Zyczkowski, Michal

29
B

ORG: Cracow Polytechnic (Politechnika Krakowska)

TITLE: Optimum design of a thin-walled bar ²⁶ subjected to simultaneous torsion ²⁶ and bending

SOURCE: Rozprawy inzynierskie, v. 14, no. 2, 1966, 199-213

TOPIC TAGS: ~~bar, thin-walled bar, torsion, bending, bar profile, bar design~~
thin walled beam, torsion strength, bending strength, shell design, thin shell structure

ABSTRACT: The paper is devoted to the problem of the best design for a thin-walled bar. Its profile is determined in plane-polar coordinates by the functions $\rho(\theta)$ and $g(\theta)$ (the radius and the thickness of the wall. These functions are interrelated by means of the condition of equal strength so that the problem is formulated, finally, as an isoperimetric problem of variational calculus with one unknown function, with a minimum cross-sectional area for minimum weight. The

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Euler-Lagrange equation is solved by means of the small parameter method. Only the influence of bending on the optimum form of the twisted bar is studied. The stability of the wall is considered additionally on the basis of the linear theory of shell stability. Equations for the shape of the profile and the minimum cross-sectional area as well as a numerical example for the ratio of moments M_g/M_B are given in the original article. Orig. art. has: 3 figures and 4 formulas. [KS]

SUB CODE: 20/ SUBM DATE: 24Mar65/ ORIG REF: 006/ SOV REF: 002/
OTH REF: 006/

LS
Card 2/2

ORKISZ, J.; ZYCZKOWSKI, M.

Differential equations of elastic-plastic bending of beams with multipoint cross sections. Bul Ac Pol tech 12 no.4:227-236 '64.

1. Department of Constructional Statics, Technical University, Krakow, and Department of Technical Mechanics, Technical University, Krakow. Presented by W. Olszak.

KRZYS, W.; ZYCZKOWSKI, M.

Optimum design of the box section of a beam bent in elastic range.
Bul Ac Pol tech 12 no.5:309-319 '64.

1. Department of Technical Mechanics, Technical University, Krakow.
Presented by W. Olszak.

WANG DU-CHING; ZYCZKOWSKI, Michal

Dimensioning bars with initial curvature based on the theory of elasticity. Rozpr inż PAN 13 no.1:131-146 '65.

1. Department of Technical Mechanics of the Krakow Technical University. Submitted May 6, 1964.

ACCESSION NR: AP4038924

P/0032/64/011/001/0083/0096

AUTHOR: Zyozkowski, Michal (Krakow)

TITLE: Permanent set and strength of multilayered, expanded, cylindrical pressure vessels

SOURCE: Archiwum budowy maszyn, v. 11, no. 1, 1964, 83-96

TOPIC TAGS: Tresca yield condition, elasticity theory, plane stress, strength of materials, material testing, cylindrical vessel, pressure vessel, metal failure, plastic instability, limit load, permanent set, plastic strain

ABSTRACT: Either for strength or technological reasons, pressure vessels are very often made in layers. They are generally thick-walled, and composed of a small number of layers. The purpose of the present article is to analyze the elastic deformation and permanent set as well as the strength of multilayered vessels whose strength properties were augmented by preliminary expansion after the deposition of individual layers without negative allowance. It was generally assumed that each layer constitutes a thin-walled layer so that the stress distribution on the wall thickness could be taken as uniform, and that the vessel material is incompressible. Three basic equations can be written for each such cylinder (layer): internal

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ACCESSION NR: AP4038924

equilibrium equation, the equation for the coexistence of deformations, and the relation between the stresses and strains. The equilibrium equation is

$$\Delta p_n = \frac{\delta_n \sigma_{in}}{r_n} \frac{1}{1/\epsilon_{rn}}. \quad (1)$$

The coexistence equation is

$$u_n / l = u_n / a_n - \frac{1}{2} (\epsilon_{rn} \delta_n / \epsilon_{r,n} / l \delta_n / l). \quad (2)$$

The stress-strain relationship is

$$\epsilon_{in} = \frac{1}{2} \left(1 - \frac{1}{2} \epsilon \right) \left(\frac{\sigma_{n-1}}{Q_n} + \sum_{j=1}^{n-2} \frac{R_{n-1} R_{n-2} \dots R_{j+1}}{Q_n Q_{n-1} \dots Q_{j+1}} a_j \right) + \frac{R_{n-1} R_{n-2} \dots R_1}{Q_n Q_{n-1} \dots Q_1} \epsilon_{i1}. \quad (3)$$

These are the basic relationships which are used for the design of an optimal vessel. The vessel will be of optimal design if every layer transmits the maximum possible pressure difference. This difference is expressed by the equation

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ACCESSION NR: AP4038924

$$\Delta P_n = \frac{\epsilon_n}{r_n} \left(1 - \frac{3}{2} \epsilon_{1n}\right) f(\epsilon_{1n}). \quad (4)$$

With given wall thicknesses ϵ_n and radii r_n , the pressure difference transmitted by every layer is then dependent upon the deformation intensity in that layer. The vessel will then be of optimal design when the intensity ϵ_1 in all layers is constant, namely, corresponds to the maximum of the function $Q(\epsilon_1)$. This intensity ϵ_{1opt} can be found from the tension chart taken from the testing machine. It defines the apparent stress $P/P_0 = \sigma^* = \sigma^*(\epsilon)$. The equation

$$Q(\epsilon_1) = \left(1 - \frac{3}{2} \epsilon_1\right) (1/\epsilon_1) \sigma^*(\epsilon_1) \approx \left(1 - \frac{1}{2} \epsilon_1\right) \sigma^*(\epsilon_1) \quad (5)$$

can then be written. The value for ϵ_{1opt} corresponding to the maximum of the function $Q(\epsilon_1)$ can be readily found from a table of values for the function $\sigma^*(\epsilon_1)$. Finally, the linear equation for the unknown d_n can be obtained

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$$a_{opt} = \frac{3}{4} \frac{\epsilon_n + \epsilon_{n+1}}{1 - \frac{1}{2} \epsilon + \frac{3}{4} \epsilon_{opt}} \quad (6)$$

It may be noted that the requirements here are interferences, or negative clearances. These clearances can be realized through sequential expanding. It may also be noted that the load carrying capacity of an optimal vessel does not depend upon axial deformation, and the influence of this deformation upon the pressure difference is minimal for a general case. Orig. art. has: 2 figures, 3 tables and 45 equations.

ASSOCIATION: Katedra Mechaniki Technicznej Politechniki Krakowskiej (Department of Engineering Mechanics, Cracow Polytechnic Institute)

SUBMITTED: 00Aug63

DATE ACQ: 03Jun64

ENCL: 00

SUB CODE: GP, IE

NO REF SOV: 010

OTHER: 016

Card 4/4

NOWAK, Zbigniew; ZYCZKOWSKI, Michal

Review of more recent works on the stability of thin-walled shells. Mechan teor stosow 1 no.2:31-66 '63.

1. Department of Technical Mechanics, Technical University, Krakow.

ZYCZKOWSKI, Michal

Plastic deformation and material strength of multilayer cylindrical pressure vessels. Archiw bud masz 11 no. 1:83-96 '64.

1. Department of Technical Mechanics, Technical University, Krakow.

KRZYS, W.; ZYCZKOWSKI, M.

A certain method of parametrical structural optimum shape design. Bul Ac Pol tech 11 no.10:535-545 '63.

1. Department of Technical Mechanics, Krakow, Technical University. Presented by W. Olazak.

WASZCZYŹYŹYN, A.; ZYCZKOWSKI, M.

Finite deflections of elastic-plastic beams, the stretchability of their axes being taken into account. Bul Ac Pol tech 11 no.10:547-558 '63.

1. Department of Constructional Statics and Department of Technical Mechanics, Technical University, Krakow. Presented by W. Olszak.

DZYGADLO, Z.; SOKOLOWSKI, M.; ZAHORSKI, S. (Warszawa); ZYCZKOWSKI, M.
(Krakow)

A scientific conference held in Krynica on the mechanics of
continuous media; a review of papers. Mechan teor stosow 1
no. 1:99-107 '63.

ZYCZKOWSKI, M.

Some particular solutions of the problem of plastic torsion.
Bul Ac Pol tech 12 no. 2:89-97 '64.

Plastic deformation and strength of an initially expanded
multilayer pressure vessel. Ibid.:99-108.

1. Department of Technical Mechanics, Technical University,
Krakow. Presented by W. Olszak.

GALOS, M.; ZYCZKOWSKI, M.

Analytical calculation of limit carrying capacity of isotropic bars subject to torsion. Bul Ac Pol tech 12 no. 2:79-88 '64

1. Department of Technical Mechanics, Technical University, Krakow. Presented by W. Olszak.

ACCESSION NR: AP4015985

P/0006/63/011/004/0643/0666

AUTHOR: Krzys, Wieslaw (Krakow); Zyczkowski, Michal (Krakow)

TITLE: A parametric method of optimum strength design

SOURCE: Rozprawy inzynierskie, v. 11, no. 4, 1963, 643-666

TOPIC TAGS: strength, stress, buckling, torsion, compression, shearing, strength design, optimum strength, buckling strength, elastic strength, stress analysis, strength analysis, thin wall, thin wall structure, strength design method, compression strength, shearing, shear stress

ABSTRACT: In this article a parametric method for optimum strength design is developed based on a transformation method which makes the auxiliary conditions linear. The lower limit of some function of the element (its weight, for example) is found depending on n parameters a_j : $V = V(a_1, a_2, \dots, a_n)$

with m auxiliary conditions expressed as weak inequalities $X_i \leq \bar{X}_i, \quad i = 1, 2, \dots, m$

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New parameters are introduced

$$x_i = \frac{X_i}{\bar{X}_i}, \quad i = 1, 2, \dots, m. \quad \text{and } V \text{ is examined}$$

as a function of these parameters, the auxiliary conditions then having a linear form. Two examples are given in illustration of the method: in the first a box profile is designed with constant wall thickness, the profile being subject to pure torsion; in the second example the same box profile is considered subject to pure bending. The result of the analysis (in the elastic range) is given in the Enclosure. Orig. art. has: 2 figures, 96 formulas and 4 tables.

ASSOCIATION: Katedra Mechaniki Technicznej Politechniki Krakowskiej
(Department of Technical Mechanics of the Cracow Polytechnical Institute)

SUBMITTED: 02Mar63

DATE ACQ: 03Feb64

ENCL: 01

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NO REFSOV: 004

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Card 2/3

ZYCKOWSKI, Michal

Onefold aptium approximation and some of its applications in
mechanics. Rozpr. inz. PAN 11 no.3:463-490 '63

ZYCZKOWSKI, Michal

Creep buckling of continuously longitudinally nonhomogeneous
and nonprismatic bars. Archiw mech 13 no.2:213-237 '61.

1. Department of Mechanics of Continuous Media, Institute of Basic
Technical problems, Polish Academy of Sciences, Warsaw.

KORDAS, Zdzislawa; ZYCKOWSKI, Michal

Loss of stability of a rod under a supertangential force. Archiw
mech 15 no.1:7-31. '63.

1. Technical University, Krakow.

ZYCZKOWSKI, M. (Krakow)

Tables of coefficients for raising power series to any power.
Zastos mat 6 no.4:395-406 '63.

MROWIEC, Mieczyslaw; ZYCZKOWSKI, Michal

Elastic load carrying capacity of a thick-walled pipeline.
Rozpr inz PAN 10 no.3:517-530 '62.

1. Politechnika, Krakow.

ZYCZKOWSKI, M.

Linear creep buckling of multicomposite bars. *Bul Ac Pol tech*
10 no.1:[17]-[24] '62.

1. Department of Technical Mechanics, Technical University, Krakow.
Presented by W.Olszak.