

S/081/62/000/022/015/088
B144/B101

AUTHORS: Sokołowski, Janusz, Kupryszewski, Gotfryd, Umiński,
Tadeusz

TITLE: Use of compounds tagged with the radioactive carbon isotope C^{14} to study the conversion of N-glucosides. I. Exchange of acetyl groups in N-acetyl-N-2,3,4,6-tetra-O-acetyl-D-glucopyranosyl-p-aminoazobenzene

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1962, 153, abstract 22Zh12 (Roczn. chem., v. 36, no. 2, 1962, 215-221 [Pol.; summaries in Russ. and Eng.])

TEXT: Hydrolysis of N-acetyl-N-2,3,4,6-tetra-O-acetyl-D-glucopyranosyl-p-aminoazobenzene (I) leads to the formation of N-acetyl-N-D-glucopyranosyl-p-aminoazobenzene (II) and of a small quantity of N-D-glucopyranosyl-p-aminoazobenzene (III). The position of the acetyl group in I was determined on the basis of a study of the acyl exchange in I: the effect of $C^{14}H_3COOCOCH_3$ (IV) on I leads to an exchange of the N-acetyl

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Use of compounds tagged with ...

group. The mixture of 0.2 g I [m.p. 199-200°C, $[\alpha]_D^{17} + 32 \pm 3^\circ$ (c 0.402, chloroform)], 0.02 g $ZnCl_2$, and 0.5 ml IV (activity 0.01 mcu/ml) is kept for 4 hrs at 100°C; I with C^{14} (activity 748 imp/min per mmole) is obtained. The mixture of 0.2 g N-N-2,3,4,6-tetra-O-acetyl-D-glucopyranosyl-p-aminobenzene (V), 0.02 g $ZnCl_2$, and 0.5 ml IV is heated for 0.5 hr; I with C^{14} is obtained; yield 0.12 g (activity 1978 imp/min per mmole). To 107.7 mg I, produced from V, 36 mg $(CH_3)_2NH$ dissolved in 9.5 ml CH_3OH is added, the mixture is stirred for 9 hrs at 20°C, and a mixture of II (86%) and III ($10 \pm 4\%$) is obtained (the yield was determined by paper chromatography and by measuring the activity of the mixture). [Abstracter's note: Complete translation.]

Card 2/2

SOKOLOWSKI, Janusz; FIALKIEWICZ, Zofia; SMIATACZ, Zygfryd; WASIELEWSKI,
Czeslaw

Configuration and conformation of N-glycosides. Pt. 1. Roczniki
chemii 37 no.5:515-523 '63.

1. Department of Organic Chemistry, Normal School, Gdansk.

SOKOLOWSKI, Janusz; SMIATACZ, Zygfryd; SZAFRANEK, Janusz

Configuration and conformation of N-glycosides. Pt. 2. Roczniki chemii 37 no.5:525-536 '63.

1. Department of Organic Chemistry, Normal School, Gdansk.

BOGUSKI, Janusz; SZAFANEK, Janusz

Configuration and conformation of N-glycosides. Pt. 1.
Rocz chemii 37 no. 7/8:735-745 '63.

1. Department of Organic Chemistry, Normal School, Gdansk.

SOKOŁOWSKI, Janusz; KOLKA, Stefania

Kinetic studies on reactions between D-glucose and primary aromatic amines. Roczniki chemii 37 no. 7/8:925-926 '63.

1. Department of Organic Chemistry, Normal School, Gdansk.

MICDUSZEWSKI, Waldemar, mgr inż.; RECZEK, Jan, mgr inż.; SOKOLAWSKI,
Janusz, mgr inż.; WOLSKI, Wojciech, dr inż.

Possibilities of applying isotope methods to the supervision
of bank consolidation in hydraulic engineering. Gosp wodna
24 no. 2:51-54 F '64.

1. Katedra Gruntoznawstwa i Budownictwa Ziarnego, Szkoła
Główna Gospodarstwa Wiejskiego, Warszawa.

ACC NR: AP6027098

(H)

SOURCE CODE: PC/0099/66/040/001/0029/0035

AUTHOR: Sokolowski, Janusz; Szafranek, Janusz

46

B

ORG: Department of Organic Chemistry, Normal School, Gdansk (Katedra Chemii Organicznej Wyzszej Szkoły Pedagogicznej)

TITLE: Infrared spectra of some derivatives of N-glycosides

SOURCE: Roczniki chemii - annales societatis chimicae polonorum, v. 40, no. 1, 1966, 29-36

TOPIC TAGS: IR spectrum, IR absorption, absorption band, organic amide, acetylene compound

ABSTRACT: Infrared absorption bands, connected with the symmetric and antisymmetric vibrations of the tetrahydropyran ring, with the valency vibrations of the amide carbonyl group and the valency and deformation vibrations of the NH group for O-acetyl, O,N-acetyl and O-benzylidene derivatives of N-glycosides, were identified. Orig. art. has: 20 figures. [Based on authors' Eng. abst.] [JPRS: 35,397]

SUB CODE: 07, 20 / SUBM DATE: 23Nov64 / ORIG REF: 003 / OTH REF: 006

LS

Card 1/1

SOKOLOWSKI, Jerzy

Soldiers serving the national economy, before the floating
ice starts moving. Przegl techn 85 no. 12: 8 22 Mr '64.

SHEVYAKOV, L.D.; SOKOLOWSKI, Jozef, mgr., inz.

The way to elaborate dissertations. Przegl gorn 17
no.11:560-567 N '61.

1. Czlonek Akademii Nauk ZSRR

MROZEK, Kazimierz; SOKOLOWSKI, Juljan; WROBEL, Janina

Discovering a salt dome structure near Damaslawek in the Kujawy region. Przegł geol 9 no.11:579-584 '61.

1. P.P.P.N. "Polnoc", Pila.

(Poland--Salts)

POLAND

SOKOLOWSKI, Julian

Bureau of Documentation and Geological Planning (Biuro Dokumentacji
i Projektów Geologicznych)

Warsaw, Przegląd geologiczny, No 1, Jan 1966, pages 32-35

"Importance of the discovered Olesnica-Kepno Depression to
prospecting in the eastern section of the Fore-Sudetic Monocline."

POLAND

SOKOLOWSKI, Julian

Bureau of Documentation and Geological Planning (Biuro Dokumentacji
i Projektów Geologicznych), Warsaw

Warsaw, Przegląd geologiczny, No 5, May 1966, pages 205-211

"Tectonics and deposit-structural characteristics of the Fore-
Sudetic area. Part 1."

SOKOLOWSKI, Kazimierz

Cooperation between economists and sociologists; in connection with an instructive conference of economists and sociologists in Jablonna, May 14-19, 1962. Nauka polska 10 no. 4:114-115 S-0 '62.

1. Polska Akademia Nauk, Zaklad Nauk Ekonomicznych, Warszawa.

SOKOLOWSKI, Konstanty

Bronchial fistula after pulmonary resection in pulmonary tuberculosis.
Postepy hig. med. dosw. no.2:97-98 '60.

1. Oddzial Chirurgii Torakalnej Szpitala Miejskiego w Poznaniu Ordyna-
tor: doc. dr Jan Moll.

(PNEUMONECTOMY compl) (BRONCHIAL FISTULA etiol)

MOLL, Jan. TYBORSKI, Henryk; STASINSKI, Tadeusz; LORKIEWICZ, Zbigniew;
LUKOMSKA, Barbara; SLIWINSKI, Marian; ADAMSKI, Stanislaw;
SOKOLOWSKI, Konstanty; SKOTNICKI, Stefan

Treatment of cardiac defects with the use of the MPS 1 apparatus and deep hypothermia. Pol. arch.med.wewnet. 34 no.3: 299-306 '64.

1. Z Oddzialu Chirurgii Torakalnej Szpitala Miejskiego im. J.Strusia w Poznaniu i II Kliniki Chirurgicznej AM w Lodzi (kierownik: prof.dr.med.J.Moll) Zakladu Radiologii AM w Poznaniu (kierownik: prof.dr.med. B.Gladysz) i III Kliniki Chorob Wewnetrznych AM w Poznaniu (kierownik: prof.dr.med. K.Wysocki).

*

MOLL, Jan, prof. dr. med.; LUKOMSKA, Barbara; STALEWSKI, Jerzy; SOKOLOWSKI,
Konstanty.

Pulmonary resection in tuberculosis. Pol. tyg. lek. 19 no.52:
2003-2005 28 D'64.

1. Z Oddziału Chirurgii Torakalnej Szpitala Miejskiego im.
J. Strusia w Poznaniu (ordynator: prof. dr. med. Jan Moll).

MOLL, Jan, prof. dr. med.; ADAMSKI, St.; SLIWINSKI, M.; SKOTNICKI, S.;
SOKOLOWSKI, K.

Our own experiences in the surgical treatment of constrictive
pericarditis. Pol. tyg. lek. 20 no.6:202-204 8 F '65

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Lodzi i
z Oddzialu Chirurgii Torakalnej Szpitala Miejskiego imeni
J. Strusia w Poznaniu (Kierownik: prof. dr. med. Jan Moll).

SOKOLOWSKI, L.

SOKOLOWSKI, L. The acceptance of a construction by units. p. 24

Vol 8, no. 11, Nov. 1956
BUDOWNICTWO WLEJSKIE
AGRICULTURE
Warszawa, Poland

So: East European Accession vol 6, no. 3, March 1957

SOKOLOWSKI, LECH

POLAND/Radio Physics - Generation and Conversion of Radio Frequency I-3
Oscillations

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13773

Author : Sokolowski Lech

Inst : Not Given

Title : Methods of Testing Multi-Cavity Pulse Magnetrons

Orig Pub : Elektronika, 1957, 3; No 4-5, 129-144

Abstract : The author describes methods for measuring the resonant frequency and the parasitic resonances of the oscillating system of a multiple-resonator magnetron. Block diagrams of the measuring apparatus are given for the coaxial and wave guide channels. In a wave guide setup, one installs in the two side branches of a double tee a measuring FM generator and a meter (detector plus oscillograph). To the two other branches of the tee is connected respectively the magnetron and a non-reflecting load. If the time sweep and the FM are produced by the same voltage, then the oscillograph screen displays both the principal and the parasitic resonances. One observes

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POLAND/Radio Physics - Generation and Conversion of Radio Frequency I-3
Oscillations

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13773

on the same screen also the maker, coming from a calibrated resonant wave meter. It is noted that these measurements must be made in the presence of a cathode or its equivalent. An investigation of possible forms of oscillations is carried out with the aid of a rotating probe, inserted in the resonant instead of the cathode. The screen of the oscillograph, synchronized with the probe, displays the picture of the field around the periphery of the resonator.

Card : 2/2

GALINSKI, Ryszard; SOKCŁOWSKI, Lech

Output circuit of a high-power magnetron. Przegl elektroniki
4 no. 5/6: 323-328 My-Je '63.

1. Zjednoczenie Przemysłu Elektronicznego i Teletechnicznego,
Warszawa.

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

SOKOLOWSKI, Maciej, mgr inz.

Mechanization of finishing works in the construction industry.
Przeł mech 23 no.9/10:284-286 25 My '64.

1. Head Design Laboratory, Office for Design and Technology of
Construction Machines and Equipment, Warsaw.

SOKOLOWSKI, M.

Tasks of the industries consuming electric power in overcoming the heavy demand in autumn and winter. p. 1, (GOSPODARKA CIEPLNA. ENERGETYKA PRZEMYSLOWA, Vol. 1, No. 6, Dec. 1953, Warszawa, Poland)

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

SOKOLOWSKI, MAREK

①
Zastosowania Metody Malych Parametrów w Zagadnieniach Płył (Application of the Perturbation Method to Plate Problems). Marek Sokolowski. Arch. Mech. Stosowanej (Warsaw), No. 3, 1953, p. 415. 10 refs. In Polish; abridged in English and Russian. Use of the Poincaré approximation method to solve differential equations of the eigen-value and boundary-value problems of plate deflections.

10-4-54 I.J.P.

SOKOLOWSKI, MAREK.

2

POLON

Sokolowski, Marek. Application of the perturbation method to plate problems. Arch. Mech. Stos. 5, 415-436 (1953). (Polish. Russian and English summaries)

U = F/W

The perturbation method was introduced by H. Poincaré [Leçons de mécanique céleste, Gauthier-Villars, Paris, 1905] to find approximate solutions of differential equations. It permits one to solve eigenvalue and boundary-value problems differing slightly from well known and already solved cases. As a special case of the perturbation method, a one-parameter eigenvalue problem was presented in detail by L. Collatz [Eigenwertaufgaben mit technischen Anwendungen, Akademische Verlagsgesellschaft, Leipzig, 1949; MR 11, 137]. The theory given by the author is based on Collatz's monograph. The author applies the method to stability problems of isotropic and orthotropic rectangular plates compressed non-uniformly along opposite edges. He compares his results with exact solutions and shows that the error is negligible. The method simplifies considerably in case of simple boundary-value problems without eigenvalues.

T. Leser (Aberdeen, Md.).

ggf 32

SOKOLOWSKI, M.

POL

5400

539.31 : 539.37

Sokolowski M. On Certain Two-Dimensional Problems Concerning the Theory of Elasticity of Orthotropic Bodies.

"Pewne zagadnienia plackie teorii sprężystości ciała ortotropowego". Archiwum Mechaniki Stosowanej (PAN). No. 1, 1974, pp. 65-93, 9 figs.

Consideration is here given to a series of problems concerning plane stress plate. Formulae for an isotropic plate are deduced by means of the Fourier integral, on the basis of the method adopted by Girkmann. A discussion is submitted of contact problems of a perfectly rigid punch and an elastic beam, resting on a half plane. A solution is advanced of the problem of a concentrated force, acting on an infinite plate, together with a deduction of fundamental equations for the stresses and displacements in a half plane, loaded by a concentrated force of any direction and any point of attachment.

2000

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P O L

225/116

624.073.1

A Two-Stage Method of Solving
Orthotropic Plate Problems

Rozpr. Inzyn.

2(2), 215-230

1954

Poland

M. Sokolowski

The problem of calculating the bending moments and shear forces for an orthotropic plate subjected to bending is discussed. The systems of linear algebraic equations obtained by means of the calculus of finite differences are solved by using the iteration method, for which two iteration procedures are given for solving problems with complex coefficients. (B111.2)

SOKOLOWSKI, M.

81/122

539.31 :624.07

On Some Problems of the Elasticity

Bull. Acad. pol. Sci.

Theory of Orthotropic Bodies (German)

201.4(4), 163-168

1954

Poland

M. Sokolowski
Problems of stress and plane deformation are considered by appropriate substitutions for the coefficients in the differential equation of the Airy stress function, using the notation of Lechnitzkij for the elasticity coefficients. Practical applications considered include a surface loaded by a single load on the boundary, a solid body impressed on an elastic supporting surface and an elastic beam resting on an orthotropic continuous medium. (Bibl.5)

Handwritten initials

SOHOLOWSKI, M.

Applying the small-parameter method in testing plates. p. 169, Vol. 2, no. 4,
1954, BULLETIN, Dep't of Technical Sciences, Polish Academy of Sciences.

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

SOKOLOWSKI, M.

Two-step calculation of anisotropic plates of a certain type; p. 173, Vol. 2, no. 4,
1954, BULLETIN, Dep't of Technical Sciences, Polish Academy of Sciences
SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

Sokolowski, M

✓ 3660. Sokolowski, M., On certain two-dimensional problems concerning the theory of elasticity of orthotropic bodies (in Polish, with Russian and English summaries), *Arch. Mech. stos.* 6, 85-92, 1954.

MN

Author solves, by means of Fourier integrals, problems of plane elasticity for orthotropic media when the boundary involves straight lines. The particular cases considered are the rigid punch and the elastic beam acting on the boundary of the half plane; the concentrated force acting anywhere in the half or complete plane.

J. R. M. Radok, Australia

SP
MET

SOKOLCWSKI, M.

2486. Sokolowski, M. The stability of an orthotropic infinitely long plate with ribs, *Arch. Mech. stos.* 8, 4, 507-538, 1956.

An infinitely long orthotropic plate, simply supported at the edges and reinforced with asymmetrical ribs, is subjected to a vertical load and to uniformly distributed compressive loads. The ribs are subjected to a uniform bending load and concentrated compressive forces. The solution is obtained by using simple Fourier series.

The state of stress and strain in the plate due to the vertical and horizontal loads, acting in its plane, and the state of stress and strain in the beam constituting a rib are considered separately. The forces between the plate and the rib are assumed in the form of Fourier series with unknown coefficients, thus obtaining the deformations and the displacements of the girder and the plate. For the determination of the unknown expansion coefficients, four conditions of continuity of deformation of the rib and the plate (rotation angle, horizontal and vertical displacements, and horizontal deformation parallel to the rib) are established. Various cases of stability and buckling of an infinitely long plate with symmetrical ribs and without ribs, as well as bending and buckling conditions of an infinitely long plate with asymmetrical ribs, are discussed in detail.

Paper contains numerous diagrams for various forms of plate buckling.

J. Nossakowski, Poland

J

RB
MT

SOKOLOWSKI, MAREK

~~Nowacki, Witold~~

istr: 4F1/4E1f

Nowacki, Witold; and Sokolowski, Marek. Certain stability problems of rectangular plates. Arch. Mech. Stos. 9 (1957), 109-124. (Polish and Russian summaries)

3
I-F/W

Rectangular isotropic plates simply supported on two opposite edges and having different boundary conditions along the two remaining edges are considered, the stresses being in general functions of x, y . It is simplest to explain their method by taking a particular case.

2

A plate simply supported at $x=0, a$, and clamped at $y=0, b$ is regarded as portion of an infinite strip simply supported at $x=0, a$, subject to periodic stresses (with period b) and to additional forces $r(x)$ and $\bar{r}(x)$ perpendicular to the plate and acting along the segments $y=\pm ib/2$ ($i=0, 1, 2, \dots$). The value of these additional forces is chosen so as to make the deflection w of the plate vanish along their line of action.

The differential equation of this problem is converted to an integro-differential equation by means of Green's function for the biharmonic equation. Substituting a double Fourier series for w yields finally an infinite system of linear equations which can be treated by the familiar method of segments.

As examples several problems already solved by other methods are treated.

K

The method is obviously of great generality.

R. C. T. Smith (Arondale).

see page

Distr: AEM

26

Sokolowski, Marek. The bending of transversally non-homogeneous plates of moderate thickness. Arch. Mech. Stos. 10 (1958), 315-328. (Polish and Russian summaries)

This is a generalization of the Michell-Love development of the theory of moderately thick, isotropic, homogeneous plates, to isotropic, non-homogeneous plates. The latter are characterized by a constant Poisson's ratio and a symmetrical variability of Young's modulus $E(z)$, z denoting the distance from the middle plane of the plate. The boundary conditions at the faces are satisfied at any point, and in an integral manner at the periphery of the plate. Two cases concerning (a) the load acting at the periphery and (b) a uniformly distributed lateral pressure are considered. Stresses and displacements are found. It is shown that in both cases the deflection of the middle plane of the plate satisfies the Lagrange-Germain equation for thin plates.

J. Nowinski (Madison, Wis.)

MUI

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3
1

SORCICZEKI, R.

The limit of applicability of kirchhoff's hypothesis in the theory of bending transversally nonhomogeneous and layered plates. p. 3.

ARCHIWUM INŻYNIERII LĄDOWEJ. (Polaska Akademia Nauk. Komitet Inżynierii Lądowej)
Warszawa, Poland. Vol. 5, no. 1, 1959

Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

S/124/62/000/001/040/046
D237/D304

24.5200
AUTHORS:

Nowacki, Witold, and Sokołowski, Marek

TITLE:

Propagation of thermoelastic waves in plates

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 1, 1962,
13, abstract 1V85 (Arch. mech. stosowanej, 1959,
11, no. 6, 715-727) (in English)

TEXT: The problem formulated is solved by Biot equations (M. A. Biot, J. Appl. Phys., 1956, 27, 3). The following boundary conditions are assumed on the surfaces of the plate, which are free from surface stresses: (1) constant temperature, and (2) ideal thermal isolation. Some simplifying assumptions are made, allowing numerical solution to be reached. Mode of distribution of elastic waves is investigated for two limiting cases, namely that of a very thick and very thin plate (as compared with the wavelength). Interdependence of the heat conductivity and motion equations is shown in two ways: on the one hand, phase

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Propagation of...

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velocity of the wave motion increases; on the other hand, the solutions for displacements contain terms expressing the appearance of dispersion. [Abstracter's note: Complete translation.]

✓B

Card 2/2

SOKOLOWSKI, M.; SZYMANOWSKI, W.

Electrophotography on macromolecular substances. Bul Ac Pol mat 8
no.3:191-194 '60. (EEAI 9:11)

1. Physical Laboratory A, Technical University, Warsaw. Presented
by W.Rubinowicz.

(Xerography)
(Macromolecular compounds)
(Photoconductivity)

SOKOLOWSKI, M.

One-dimensional thermoelastic problems for elastic bodies with material constants dependent on temperature. Bul Ac Pol tech 8 no.4:153-160 '60. (EEAI 9:10)

1. Department of Mechanics of Continuous Media, Institute of Basic Technical Problems, Polish Academy of Sciences. Presented by W.Nowacki.
(Elasticity)

24.4200

25257

P/005/60/008/004/002/010

D265/D303

AUTHOR: Sokołowski, Marek

TITLE: Thermal stresses in a spherical and cylindrical shell made of materials whose properties depend on temperature

PERIODICAL: Rozprawy inżynierskie, v. 8, no. 4, 1960, 641-667

TEXT: This paper analyzes the thermal stresses allowing for the variation with temperature of the coefficient of heat conductivity λ , the coefficient of expansion α and the Young modulus E for the following cases: A thick cylindrical ring for which the inside and outside surfaces are kept at different steady temperatures T_0 and T_1 respectively (i.e. $\epsilon_z = 0$), a thick cylindrical shell of constrained end faces ($\epsilon_z = 0$), a long, thick cylinder freely supported at its ends, for which at the middle portion $\epsilon_z = \text{const.} \neq 0$ and $\sigma_z \neq 0$, and for the thick-wall concentric sphere, where the inner and outer surfaces are kept at different temperatures T_0

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Thermal stresses in...

and T_1 . Radial deformations are considered throughout. The basic stress equations are derived and simplifications introduced by assuming the Poisson ratio $\nu = 0.5$ and negligible change of E with temperature. The final equations are thus obtained which contain the functions of the non-linear temperature distribution. The solutions are analyzed by assuming the axially symmetric conductivity coefficient relationship in the case of the thick cylindrical shell and spherical symmetry relationship of conductivity in the case of the thick spherical shell. Solutions are also presented when the heat source is assumed in Dirac's and Green's functions. The variation of the coefficient of thermal conductivity λ is studied for homogeneous materials where $\lambda = \text{const.}$ and for materials of λ increasing and decreasing with the increase of temperature. Radial and circumferential stresses are analyzed for the variable coefficient of heat conductivity in terms of graphs for the inward and outward flow of heat for the materials considered. The method of interpreting the strain equations for the case of the exponentially variable value of Young modules is given. There are 14 figures and 8 references: 4 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: J.

Card 2/3

28257

Thermal stresses in...

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D265/D303

Nowiński, Thermoelastic Problem of an Isotropic Sphere with Temperature Dependent Properties, ZAMP, v. 6, no. 10 (1959); H. H. Hilton, Thermal Stresses in Bodies Exhibiting Temperature Dependent Properties, J. Appl. Mech., 1952, 74, 350; S. Timoshenko, J. N. Goodier, Theory of Elasticity, New York-Toronto-London 1951.

ASSOCIATION: Zakład mechaniki ośrodków ciągłych IPPT, PAN (The Institute of Mechanical Continual Media, IPPT, PAS)

SUBMITTED: February 18, 1960

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Card 3/3

SOKOLOWSKI, Marek (Warsaw)

Some problems of a plate strip with discontinuous boundary conditions. Archiw mech 13 no.2:239-256 '61.

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

P/033/61/013/003/004/008
D287/D303

AUTHOR: Sokołowski, Marek (Warsaw)

TITLE: A thermoelastic problem for a strip with discontinuous boundary conditions

PERIODICAL: Archiwum mechaniki stosowanej, v. 13, no. 3, 1961, 337-354

TEXT: The author considers a two-dimensional thermoelastic problem for an infinite strip of width a . The boundary $x = 0$ of the strip is maintained at a constant temperature $t = t_0$. The other boundary is partly insulated (for $x < 0$) and for positive values of x the heat-flow is proportional to the difference between the temperature t and a certain constant temperature t_1 which can, without loss of generality, be assumed as being equal to zero. The problem is graphically represented in Fig. 1, which shows three graphs (a, b, and c). The author divided the original problem (represented by Fig. 1a) into two simpler problems (represented by Figs. 1b and 1c). In the case of Fig. 1b, where the boundary

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A thermoelastic problem...

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$x = a$ is entirely insulated, the only solution of the problem is $t(x, y) = \text{const.}$ The problem shown in Fig. 1c, which is equivalent to another problem shown in Fig. 2, is discussed in greater detail by the author. He points out that only forms of the solutions antisymmetric with respect to y will be discussed. The boundary conditions for the temperature of the problem shown in Fig. 2 are

$$(1.1) \quad y = \pm a, \quad x < 0 : \frac{\partial t}{\partial y} = 0,$$

$$(1.2) \quad y = \pm a, \quad x > 0 : t = -\frac{1}{k} \frac{\partial t}{\partial n} + t_0,$$

$$(1.3) \quad \text{for } x \rightarrow +\infty \quad t \text{ remains finite,}$$

$$\text{for } x \rightarrow -\infty \quad t \text{ tends to zero as } e^{a_2 x}$$

where the author mentions that the constant a_2 can be chosen as equal to $\pi/2a$. For the discussion of the problem the author introduces the non-dimensional variables $w = ax$, $\eta = y/a$. By application of trans-

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1287/1303

A thermoelastic problem..

forms and substitutions the author obtains an equation of the Wiener-Hopf type:

$$(1.8) \quad \Psi^+(w) \left(\frac{\tanh w}{w} + \frac{1}{\beta} \right) = \frac{1}{a} \Phi^-(w) - \frac{t_0 i}{\sqrt{2\pi}} \frac{1}{w},$$

with $\beta = ka$. The author then discusses the case of $k \rightarrow \infty$. He states that in the case of constant temperatures at the edges $y = \pm b$, $x > 0$, equal to $-t_0$, $+t_0$, respectively, Eq. (1.8) reduces to the simpler form:

$$(1.9) \quad \Psi^+(w) \frac{\tanh w}{w} = \frac{1}{a} \Phi^-(w) - \frac{t_0 i}{\sqrt{2\pi}} \frac{1}{w}.$$

After inverse transforms and substitutions, the author finally obtains, under the assumption that $\xi \neq 0$, the following results:

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A thermoelastic problem...

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$$(1.12) \quad \varphi(\xi) = -t_0 \frac{2}{\pi} \arcsin \left(e^{\frac{\pi}{2}\xi} \right) \quad \text{for } \xi < 0$$

$$(1.13) \quad \psi(\xi) = -\frac{t_0}{a} \frac{1}{\sqrt{1 - e^{-\pi\xi}}}$$

He states that, thus, his assumptions concerning the strip of regularity of the solutions $0 < \xi < \text{Im } a < \pi/2a$ are justified. At $\xi = 0$, the temperature at the boundary of the plate is equal to t_0 , and the heat flow has a singularity of the order $1/2$. The final results for the case described by Fig. 1a are shown in Fig. 3. The author then returns to the general equation (1.8) and solves the problem in an approximate way. He discusses the first and second approximation and gives numerical results as an indication of the accuracy of the approximate method. He then considers the case shown in Fig. 2 to find the stresses in a strip produced by the temperature distribution. He states that if the edges

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$y = \pm a$ are free, no stresses in the strip will occur, according to the well-known Muskhelishvili theorem [Abstractor's note: Muskhelishvili's theorem not explained]. The author then discusses the case in which both edges are rigidly clamped and no displacements u, v appear along the sides of the strip. The author introduces two stress functions: a thermoelastic potential $f_1(x, y)$, satisfying the equation

$$(3.1) \quad \nabla^2 f_1(x, y) = \gamma_0 t(x, y) \quad \text{where} \quad \gamma_0 = \frac{1 + \nu}{1 - \nu} a_t \quad (\text{plane}$$

strain), $\gamma_0 = (1 + \nu) a_t$ (plane stress), and Galerkin's displacements function $f_2(x, y)$, satisfying (3.2) $\nabla^2 \nabla^2 f_2(x, y) = 0$.

He states that the boundary conditions of (3.1) and (3.2) require that, in case of rigidly clamped edges, the displacements u, v must vanish. He discusses in greater detail the sum of the normal stresses σ_{xx} and

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σ_{yy} , appearing in the strip during heating. He denotes $\sigma_{xx} + \sigma_{yy} = \mathcal{V}(x, y)$. In his discussion, the author mentions that the function $\mathcal{V}_1(\xi; 1)$ can easily be expressed in a closed form, whereas the second function $\mathcal{V}_2(\xi)$ must be expressed in the form of an infinite series. He finally states that for $\xi \rightarrow +\infty$, $\sigma_{xx}^*(\xi) + \sigma_{yy}^*(\xi) \rightarrow 2G\mathcal{V}_0 t_0 \beta / (1 + \beta)$, and points out that this result is in good accord with the magnitude of the stress σ_{xx} in a strip with one-dimensional temperature variation $t = t(y)$ only, changing from $-\beta t_0 / (1 + \beta)$ to $+\beta t_0 / (1 + \beta)$ at $y = +a$, $y = -a$, respectively, σ_{yy} being $\equiv 0$. Finally, the author mentions that this paper was written during his Polish Academy of Sciences scholarship in the Department of Applied Mechanics of the Tech-

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nological University in Delft, Holland, under the supervision of Professor W. T. Koiter, who was repeatedly referred to in this article. There are 6 figures, 1 table and 6 references: 1 Soviet-bloc and 5 non-Soviet-bloc. The reference to the English-language publication reads as follows: A. Erdelyi and other, Tables of integral transforms, N. York-Toronto-London 1951.

ASSOCIATION: Department of Mechanics of Continuous Media, IBTE, Polish Academy of Sciences; Department of Applied Mechanics of the Technical University in Delft, Holland

SUBMITTED: December 3, 1960

Card 7/8

29158
P/033/61/013/004/001/005
D248/D302

26.5100

AUTHOR: Sokołowski, Marek (Warsaw)

TITLE: Heat flow in a wedge with discontinuous boundary conditions

PERIODICAL: Archiwum mechaniki stosowanej, v. 13, no. 4, 1961, 433-455

TEXT: The paper concerns the problem of stationary heat flow in an infinite plate in the form of a wedge, where only the edges in the region of the vertex are heated, the rest being perfectly insulated. The problem is a typical Hilbert one, and is simpler than that considered by H. Zorski and W. Piechocki (Ref. 1: Thermoelastic Problem of a Wedge, Bull. Pol. Acad. Sci., Cl. IV, 10, 7 (1959)). However, the author's contribution is that he treats the problem in greater detail and discusses all the singularities in the temperature and heat flow distribution. In particular, an infinite wedge is considered heated by a temperature which itself is decomposed into antisymmetrical and symmetrical parts. For the

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Heat flow in a wedge ...

antisymmetrical case, the Mellin transform is applied to the general temperature equation

$$\nabla^2 t(r, \theta) = 0 \tag{1.1}$$

according to the method of W. T. Koiter. On substitution of the boundary conditions the Wiener-Hopf equation is obtained:

$$\Psi^+(s) \frac{tg \, ds}{s} = \Phi^-(s) + \frac{t_n}{n+s} \tag{1.10}$$

Two separate equations from which $\Psi^+(S)$ and $\Phi^-(S)$, the two unknown functions, can be determined are obtained by factorizing and transforming. Before proceeding to the general solution some cases of practical interest are discussed in which simple closed

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Heat flow in a wedge ...

solutions are obtained. The full general solution is obtained by integrating between carefully chosen limits, an expression is obtained for the continuous distribution of temperature along the side $\theta = \alpha$. A diagram shows that this distribution varies little from that obtained in the particular case where $r \rightarrow \infty$ or $r = \frac{\alpha}{\beta}$. A further curve is obtained which depicts the order of singularity of the heat flow at $r = 0$, depending on α and n . In the symmetric case the Wiener-Hopf function is obtained as before. The case $u = 0$ is shown to possess a simple and unique solution, and is not considered. The general solution is obtained with each range of interest subjected to detailed discussion, and appropriate diagrams describe the numerical evaluations. Finally the order of singularity curve is sketched. The author acknowledges the help of Professor W. T. Koiter, Delft. There are 15 figures and 6 references: 1 Soviet-bloc and 5 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: W. Piechocki, H. Zorski, Thermoelastic Problem for a Wedge, Bull. Pol. Acad. Sci., Cl. IV, 10, 7 (1959); W. T. Koiter, An Infinite Row of Parallel Cracks in an Infinite Elastic Sheet in: Problems of Con-

Card 3/4

X

Heat flow in a wedge ...

29058
P/O 2/61/013/004/001/005
D248/D302

tinuum Mechanics. Soc. Industrial Appl. Mathematics, Philadelphia
1961. 246-259; W. T. Koiter, Approximate Solution of a Wiener.
Hopf Type Integral Equation with Applications. Proc. Kon. Ned.
Akad. Wet., B. 57, no. 5. 1954; A. Erdelyi, etc., Tables of Inte-
gral Transforms, Vol. 1. New York-Toronto-London 1954.

ASSOCIATION: IBTP, Polish Academy of Sciences

SUBMITTED: December 3, 1960

Card 4/4

X

MATCZYNSKI, M.; SOKOLOWSKI, M.

On polynomial solution of a certain discontinuous boundary value problem. Bul Ac Pol tech 12 no. 1: 5-11 '64

1. Department of Mechanics of Continuous Media, Institute of Fundamental Technical Problems, Polish Academy of Sciences, Warsaw. Presented by W. Nowacki.

SOKOLOWSKI, Marek, prof.; ZORSKI, Henryk, prof.

The Polish school of thermoelasticity. Horyz techn 17
no. 4: 9-10 Ap '64.

1. Dyrektor naukowy Instytutu Podstawowych Problemow Techniki, Polska Akademia Nauk, Warszawa (for Sokolowski).
2. Kierownik Pracowni Mechaniki Ciala Stalego, Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Warszawa (for Zorski).

SOKOLOWSKI, Marek

Heat flow in a wedge with discontinuous boundary conditions.
Archiw mech 13 no.4:433-456 '61.

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

"Ucheniye i razvitiye nauki v SSSR."

Technika i Gosplanovka, Gornsk, Vol 2, No 4, May 1954, p. 145

CC: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

LOKICOWSKI, S.

The section and multisection assemblage in steel construction and the tasks for the near future; also remarks by S. Hojarczyk and a discussion. p. 4. (Budownictwo Przemyslowe, Vol. 5, No. 7/8, July/Aug. 1956, Warsaw, Poland)

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

P.T.A.

Mining + Geology

873

551 09 501 131133

Bołowski St., Golab J., Krygowski B. Report on Hydrogeological Researches in 1946.

„Sprawozdanie z badań hydrogeologicznych w r. 1946” Warszawa 1947, FIG, 89, pp. 49, 2 files.

The Salonic land-rip in the cutting of the Tumbulassy railway line. Brief characteristics of the sorbera in the Kresowa road street. Hydrology of the western Gubalowska tunnel. Report on field survey carried out in Lower Silesia in 1946.

SOKOLOWSKI, STANISLAW

PA 30T26

POLAND/Geology
Excavating

Sep 1947

"A Landslide in Sadowie at the Railway Cutting on the
Tunel - Cracow Line," Stanislaw Sokolowski, 17 pp

"Biuletyn, Panstwowy Instytut Geologiczny" No 32

Study of a landslide set in motion near the village
of Sadowie by a large cutting (800 m x 15 m) done for
the railway between Warsaw and Cracow, and notes on
some means for its prevention.

SI

30T26

SOBOLCOWSKI, STANISLAW.

GEOGRAPHY & GEOLOGY

SOBOLCOWSKI, STANISLAW. Tatry Bielskie; geologia zlozcy poludniowych. Warszawa, 1948. 47 p. (Warsaw. Panstwowy Instytut Geologiczny. Prace, t.4)

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

SORCLOWSKI, S.

"Fiftieth anniversary of the excursion of participants of the 9th International Geological Congress in the Pieniny and Tatra Mountains," *Przegląd Geologiczny*, Warszawa, No 3, June 1953, p. 81.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

SOKOLOWSKI, S.; WYGZOLKOWSKI, J.

"50 Years of Modern Geology of the Tatra Mountains." P. 101,
(WIERCHY, Vol. 22, 1953, Krakow, Poland.)

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

SKOŁOŚKI, S.

New investigation of the relation between the Magura, and Krosno regions of the west Beskids; a summary of a report.

P. 457, (Przeład Geologiczny, Vol. 4, no. 10, Oct. 1956, Warszawa, Poland)

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February 1958

SOKOLOWSKI, Stanislaw; ZNOSKO, Jerzy

The planning of a tectonic map of Poland as a part of a tectonic
map of Europe. Kwartalnik geol 3 no.1:1-24 '59. (EEAI 9:8)
(Poland--Geology)

SOKOLOWSKI, Stanislaw

Preliminary results of research on the Paleogene in the vicinity of the Tatra Mountains. Kwartalnik geol 6 no.4: 751-753 '62.

1. Zaklad Zdjec Geologicznych, Instytut Geologiczny, Warszawa.

SOKOLOWSKI, Stefan (Kluczborok)

Demographic problems of Kluczborok District. Czasop geograf
34 no.4: 377-391 '63.

SOKOŁOWSKI, S.

Examination of sound intensity equalisation by means of aural harmonic tones. Przegł. lek., Krakow 8 no. 5:129-132 1952. (CIME 22:5)

1. Of the Otolaryngological Clinic (Head--Prof. J. Miodonski, M. D.) of Krakow Medical Academy.

SOKOLOWSKI, Stefan

Surgical treatment of sciatica. Wiadomosci lek. 7 no.10:515-527
Oct 54.

(SCIATICA, surgery.)

SOKOLOWSKI, Stefan

Indications for surgical therapy of laryngeal cancer. Przegł. lek.,
Krakow 10 no.10:285-290 1954.

1. Z Kliniki Oto-Ryno-Laryngologicznej Akademii Medycznej w Krakowie.
Kierownik: prof. dr J.Miodonski.
(LARYNX, neoplasms,
surg., indic.)

SOKOLOWSKI, Stefan

Modification of the Weber's test. Przegl. lek. Krakow 10 no.12a:
414-417 Dec 54.

1. Z Kliniki oto-ryno-laryngologicznej A.M. w Krakowie -
kierownik prof. dr. J.Miodonski
(HEARING TEST
Weber's test, modification)

SOKOLOWSKI, Stefan; FREYTAG, Tadeusz; KMITA, Stanislaw

20

Experiments with bacteriostatic activity of self-polymerizing acrylic implants. Neur. &c.polska 5 no.3:253-258 My-Je '55.

1. Z Wojskowego Szpitala Klinicznego w Lodzi, Lodz, Wierszowa 33/36

(ACRYLIC RESINS

self-polymerizing implants, bacteriostatic eff.)

SOKOŁOWSKI, Stefan

~~Recent concepts of the mechanism of phonation.~~ Otolar. polska 9
no.1:75-84 '55.

1. Z Kliniki Otolar Yngologicznej A.M. w Krakowie. Kier.: prof.
dr Jan Miodonski, Krakow, Jaraza 3/7.

(VOICE

phonation mechanism, current concepts)

KOWALCZYKOWA, Janina; SOKOLOWSKI, Stefan.

Border-line neoplastic-inflammatory conditions; malignant
granuloma. Otolar. polska 9 no.3:189-196 1955.

1. Z Kliniki Laryngologicznej A.M. w Krakowie: Kierownik:
prof. dr. J.Miodonski. Z Zakladu Anatomii Patologicznej A.M.
w Krakowie. Kierownik: prof. dr. J.Kowalczykowa.
(HODGKIN'S DISEASE)

FREYTAG, Tadeusz; KMITA, Stanislaw; SOKOLOWSKI, Stefan

Application of the plastic substance dentacril as tissue implants. Polski przegl.chir. 27 no.4:323-326 Apr '55.

1. Ze Szpitala klinicznego W.P. w Lodzi; Szpital Kliniczny W.P. w Lodzi.

(ACRYLIC RESINS
implants in dogs, histol.eff.)

KMITA, Stanislaw; SOKOLOWSKI, Stefan; FREYTAG, Tadeusz

Studies on heat production in self-polymerizing masses
used for implants. Neur. &c. polska 6 no.1:41-44 Jan-Feb
56.

1. Z Wojskowego Szpitala Klinicznego w Lodzi, Lodz, Wierzbowa
33/36.

(ACRYLIC RESINS,
self-polymerizing, heat prod. in prep. for implants.
(Pol))

SOKOŁOWSKI, S.

EXCERPTA MEDICA Sec.12 Vol.11/9 Ophthalmology Sept 57

1514. SOKOŁOWSKI S. and SEGAL P. Oddz. Neurochir. Centralnego Wojskowego Szpit. Klin., Łódź; Odd. Okulist. Centr. Wojskow. Szpit. Klin., Łódź.
* Jednoimiennie niedowidzenie połowicze w następstwie bezpośredniego mechanicznego urazu pasma wzrokowego. Symmetric hemianopsia following a direct mechanical trauma to the optic tract NEUROL. NEUROCHIR. PSYCHIAT. 1956, 6/3 (343-348) Illus. 3
The lesion of the optic tract was caused by a screw-driver which penetrated by accident through the orbit into the cranial cavity without damage of the organs contained in the orbit and without any neurological disorders. Symmetric hemianopsia, absence of macular vision, and a distinct hemianoptic Vernicky's pupillar reaction were present.
Stepien - Łódź (VIII, 12)

AREND, Rudolf; SOKOLOWSKI, Stefan; MEMPEL, Eugeniusz

Unusual syndrome in a case of gigantic subdural hematoma cured surgically. *Neur. &c. polska* 6 no.4:465-477 July-Aug 56.

1. Z Kliniki Neurologicznej Akademii Medycznej we Wroclawiu
Kierownik: prof. dr. med. R. Arenk i z Oddzialu Neurochirurgii
Wojskowego Szpitala Klinicznego w Lodzi Ordynator: dr. med.
S. Sokolowski.

(CEREBRAL HEMORRHAGE, manifest.

unusual manifest. in subdural hematoma cured surgically
(Pol))

BANKOWSKI, Zbigniew; MAJEWSKA, Zofia; RUSZCZEWSKI, Zygmunt;
SOKOLOWSKI, Stefan

Differentiation of parasitic disease from neoplasm of the
central nervous system. Neur. &c. polska 6 no.5:553-567
Sept-Oct 56.

1. Z Kliniki Chorob Nerwowych A.M. w Gdansk Kierownik: prof.
dr. med. Z. Majewska Z Oddzialu Neurochirurgii Wojskowego
Szpitala N. Z. Wojskowej Centralnej Pracowni Anatomii
Patologicznej i Medycyny Sadowej.

(BRAIN NEOPLASMS, differential diagnosis,
parasitic dis. (Pol))

(BRAIN, diseases,
parasitic, differ. diag. from tumor (Pol))

(PARASITIC DISEASES, differential diagnosis,
brain, from tumor (Pol))

EXCERPTA MEDICA Sec.11 Vol.10/5 Oto-Rhino-Laryngo May57
SOKOŁOWSKI S.

1024. SOKOŁOWSKI S. Klin. Otolaryngol. AM, Kraków. * O zastosowaniu sondy dźwiękowej jako wskaźnika do operacji zachowawczej. Application of a sound probe as indication for the conservative operation OTOLARYNG. POL. 1956, 10/3-4 (283-288) Graphs 6 Illus. 1

The sound probe is obtained by joining the bone receiver of an audiometer with a metal rod of 2 mm. diameter. In this way a possibility arises of counting the tones emitted by the audiometer from a strictly limited small area, for instance from the short process of the first ossicle, etc. One of the more important benefits of applying the sound probe is the opportunity to establish pre-operatively, whether there is a continuity of the chain of ossicles. If such a continuity does exist, the graphs obtained with a probe from the short process of the first ossicle are always better by 20-30 db. than the graphs of the supero-posterior wall of the meatus acusticus externus. In the absence of the above-mentioned continuity, the course of both curves is almost identical. In this way the precise indications to the operation are stated and the choice is made between the radical and the conservative procedure.

SOKOLOWSKI, Stefan

Artificial tympanum. Otolar. polska 10 no.3-4:319-323 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Krakowie Kierownik:
prof. dr. J. Miodonski. Krakow, St. Jaracza 3/7.
(TYMPANIC MEMBRANE, perforation,
prosthetic repair (Pol))

SOKOŁOWSKI, Stefan; FREYTAG, Tadeusz

Experience with a technic of methyl polymetracrylan implants in cranioplasty. Neur. &c. polska 7 no.1:123-135 Jan-Feb 57.

1. Z Oddziału Neurochirurgii Centralnego Wojskowego Szpitala Klinicznego Ordynator: dr med. S. Sokolowski. i z Pododdziału Chirurgii Szczekowej Centralnego Wojskowego Szpitala Klinicznego Kierownik: dr T. Freytag. Adres: Lodz, Wierzbowa 33/36.

(CRANIUM, surgery,

acrylic implants (Pol))

(ACRYLATES, cranioplasty (Pol))

SOKOLOWSKI, Stefan.

Studies on the appearance of changes in the areas of the cerebral fluid. Neur. &c. polska 7 no.2:177-186 Mar-Apr 57.

1. Z Oddzialu Neurochirurgii Centralnego Wojskowego Szpitala
Klinczengo Ordynator: dr. med. S. Sokolowski.

(EPILEPSY, therapy,
pneumocranium, eff. on CSF (Pol))

SOŁOŁOWSKI, STEFAN

SOKOLOWSKI, Stefan (Krakow, St. Jaracza 3/7)

Stellate ganglion block in laryngological diseases. Otolar. polska
11 no.2:147-157 1957.

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

(OTORHINOLARYNGOLOGICAL DISEASES, ther.
stellate ganglion block in laryngol. dis. (Pol))
(ANESTHESIA, REGIONAL
same (Pol))

SEGAL, Pawel; FREYTAG, Tadeusz; SOKOLOWSKI, Stefan

Use of rapid polymerizing acryl masses in orbital surgery.
Klin. oczna 27 no.2:143-156 1957.

1. Z Oddzialu Ocznego C.W.S.K. Ordynator: doc. dr. P. Segal.
Z Pododdzialu Chirurgii Szczekowej C.W.S.K. Kierownik: dr.
T. Freytag i z Oddzialu Neurochirurgii C.W.S.K. Ordynator: dr.
med. S. Sokolowski. Warszawa 12, ul. J. Dabrowskiego 77 m. 27.

(ORBIT, surg.

plastic, use of rapid polymerizing acryl mass (Pol))

(ACRYLIC RESINS

rapid polymerizing acryl mass, use in orbital surg. (Pol))

SYMPTOMA MEDICA Sec 11 Vol 12/10 O.R.L. October 59

1908. TINNITUS - O szumach usznych - Sokołowski S. Klin. Otolaryngol. A.M.,
Kraków - OTOLARYNG. POL. 1958, 12/4 (395-418)

A discussion on tinnitus based on about 400 cases observed and treated, and of the various classifications made by other authors. The aetiology of tinnitus is treated very thoroughly, as are methods of examination, as well as the differentiation of various kinds of tinnitus and the site of origin. In the section on treatment, the author deals chiefly with the methods he applies himself and evaluates them from his own experience. He discusses sedatives, vitamins, histamine, novocaine administered i.v., stellate ganglion blockade with procaine, the introduction of drugs into the middle ear, intratympanic sympathectomy, and Cawthorn's operation. The results of these are compared with diagnostic data obtained by audiometric methods, determination of pitch, intensity, facility of masking, diplacusis, recruitment, pharmacological methods (hypertensive and hypotensive factors), etc. It is shown what may be expected from diagnostic methods and the therapeutic methods applied in tinnitus.

Miodoński - Cracow (XI, 19*)

SOKOLOWSKI, S.

Research on the development of changes in the cerebrospinal fluid spaces after pneumoencephalography in epileptics. *Cesk. neur. Z* no.6:365-373
Nov 58.

1. Neurochirurgicke oddeleni Ustredni vojenske klinicke nemocnice v Lodzi, prim. dr. St. Sokolowski, (Polsko)

(EPILEPSY, pathol.)

changes in CSF spaces after pneumoencephalography (Cz)

(VENTRICULOGRAPHY, eff.)

pneumoencephalography on CSF spaces in epileptics (Cz)

CZAPNICKA, Maria; MISZKE, Andrzej; SOKOŁOWSKI, Stefan; WILCZYŃSKA, Janina

On the value of tomography of the larynx in cases of malignant tumors and its comparison with laryngological examination.
Otolaryngologia 14 no.1:73-80 '60.

1. Z Kliniki Laryngologicznej A.M. w Krakowie. Kierownik: prof. dr med. J. Miodowski; i z Kliniki Radiologicznej A.M. w Krakowie, Kierownik: prof. dr. med. S. Jamszkiwicz.
(LARYNX neopl.)

SOKOLOWSKI, Stefan; FABIAN, Fryderyk

On the problem of the mechanical resistance of cerebral bridge veins.
Roczn. pom. akad. med. Swierczewski. 7:301-308 '61.

1. Z Kliniki Chorob Nerwowych Pomorskiej Akademii Medycznej Kierownik
Kliniki: doc. dr med. Michal Jarema.

(BRAIN blood supply)

SOKOLOWSKI, Stefan

On the problem of roentgen irradiation of surgical laryngeal cancers.
Otolaryngologia 15 no.1:17-21 '61.

1. Z Instytutu Onkologii w Krakowie Kierownik: doc. dr med.
H. Kolodziejaska i z Kliniki Chorob Uszu, Nosa i Gardla AM w Krakowie
Kierownik: prof. dr med. J. Miodonski.

(LARYNX neopl)

SOKOLOWSKI, Stefan

Indication for stapes mobilization and the sound probe. Otolaryngologia
15 no.3:289-295 '61.

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

(OTOSCLEROSIS surg) (HEARING TESTS)

SOKOLOWSKI, Stefan; MEMPEL, Eugeniusz

Surgical therapy of cerebral echinococcosis. Report on 3 cases cured surgically. Neurologia etc., polska 12 no.3:365-377 '62.

1. Z Oddziału Neurochirurgii Szpitala Klinicznego w Łodzi Ordynator
Oddziału: dr med. S. Sokolowski.
(ECHINOCOCCOSIS) (BRAIN DISEASES)

SOKOLOWSKI, Stefan, dr med.; MEMPEL, Eugeniusz

Surgical treatment of cerebral echinococcus; note on three cases cured by surgery. Neurol neurochir psych 12 no.3:365-377 My-Je '62.

1. Oddzial Neurochirurgii, Szpital Kliniczny, Lodz. (Ordynator Oddzialu: dr med. S. Sokolowski).

*

SOKOLOWSKI, Stefan

Effect of blocking of the stellate ganglion on vestibular reactions.
Otolaryng. Pol. 16 no.1:99-104 '62.

1. Z Kliniki Otolaryngologicznej AM w Krakowie Kierownik: prof.
dr med. J. Miodonski.

(VESTIBULAR APPARATUS physiol) (ANESTHESIA CONDUCTION)
(STELLATE GANGLION physiol)

SOKOLOWSKI, Stefan

Georg v. Bekesy, Nobel Prize winner in medicine in 1961. Otolaryng.
pol. 16 no.3:457-464 '62.

..(BIOGRAPHIES)

(NOBEL PRIZE)

SOKOLOWSKI, T.

Treatment of suppurative processes of the hand. Polski tygod.
lek. 5 no.15:561-568 11 Apr 1950. (CJML 20:1)

SOKOLOWSKI, T.

Osteoarticular wounds. Polski przegl.chir. 26 no.11 Suppl.:37-47
1954.

- (WOUNDS AND INJURIES,
ostearticular, ther.)
- (JOINTS, wounds and injuries,
ther.)
- (BONES, wounds and injuries,
ther.)