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205

Begin

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REEL

561

SZEKFI, OTTO

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKFI, Otto

Practical experiences in the field of cast-steel constructions, their internal stresses and the repair of breakages by arc-welding. Gep 12 no.4:158-160 Ap '60.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKFI, Otto

On the grinding of rolls in steel-rolling mills. Musz elet 15 no.14:4 Jl '60. (EEAI 9:9)
(Hungary--Steel) (Rolling (Metalwork))

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

7

CA

Spectrographic determination of magnesium in Silumin. Pálma Sebki (Lab. Manfred Weiss Steel and Metal Works, Ltd., Csepel, Hungary). *Bányász. Kohász. Lapok* 77, 303-10(1944).—A "Qu 24" Zeiss spectrograph was used. The prepn. of samples and the designing of curves for calcn. of results are discussed in detail. 20 references. István Finály

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

Met. Abstracts

3

The Metallographic Examination of Aluminium and Its Alloys. [—I.-II.] Palma Széki (*Aluminium* (*Budapest*), 1949, 1, (5), 113-118; (6), 136-141).—[In Hungarian]. [I.—] The methods of metallographic preparation of Al and the microscopic method of examination are described. A detailed account is given of the prepn. of samples and of etchants used. [II.—] A description is given of grain counting, and the effect of working, annealing, and ageing on the structure of Al and its alloys. 4 ref.—I. S. M.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

Szeki, P.

3RD AND 4TH ORDERS

621.822.5.002.2 : 669.65.018.24

12

26. Metallographic experiences with babbit lined bearings, by P. Széki. ("Gép" — *Machinery* — Vol. II, No. 11, pp. 18-26, Nov., 1950, 24 figs., 6 tabs.).

The chemical composition and mechanical properties of the various white metal alloys, as well as a part of the liquidus phase surface of the space diagram of tin-antimony-copper alloys are described. The study deals in detail with the most appropriate method of casting bearing linings. The metallographic testing method is well suited for detecting the casting defects in bearings with poor bonding capacity. If the preheating of the bearing bushing was properly executed the crystals of the cast are uniform and not too fine. With incorrect preheating, however, very fine crystals are formed which result in poor bonding qualities. An experienced bearing caster should know that the various structural elements of alloys do not melt simultaneously. When an alloy is apparently in a thick fluid state it may be cast, although it is still far from being completely molten. It is advisable to adjust the casting temperature to the copper content of the alloy.

SM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

1ST AND 2ND LETTER

2ND LETTER

3RD AND 4TH ORDERS

MATERIALS II

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

Szeki, P.

621.357.8 : 669.14

837. **Electrolytic polishing of carbon steels.** P. Széki and T. Németh. *Acta Tech. Hungarica*, 2, 175–87 (*No.* 1, 1951) *In Russian.*

This method is claimed to be rapid, cheap and practical for preparing carbon steel parts for galvanizing. Theory and practice of this process are described together with causes of faulty polishing found by laboratory investigations. Composition, adjustment and regeneration of electrolyte, effect of temperature (kept within ± 5°c of the optimum) and essential current requirements are stated.

J. Lukaszewicz

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

Met. Abstract

7

The Surface Treatment of Aluminium and Its Alloys. Palma Széki (*Aluminium* (*Budapest*), 1951, **3**, (11), 246–251; discussion, 1952, **4**, (1), 21–24).—[In Hungarian]. The surface treatment of Al for corrosion protection, for decoration, and for increased wear resistance is discussed. Amongst the processes described are the Bengough-Stuart, Alumilite, and Eloxal processes, characteristics of which are compared in a table. In the discussion more details of various processes are mentioned.—I. S. M.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, P.

Brit Ab BI
March 1953
Non Ferrous Metallurgy

2

Surface protection of aluminium by the "Elektrofat" process. P. Széki (*Aluminium, Budapest*, 1952, 4, No. 4, 87—91; *Metal Abstr.*, 1952, 20, 269).—A process based on the "Elytal" process is described for anodising the surface of Al and then breaking down the oxide film so as to give a good base for subsequent electroplating.

R. B. CLARKE.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

P. SZEKI

18

Influence of heat-treatment on strain-aging of aluminum-killed steel. P. Széki. *Acta Tech. Acad. Sci. Hung.* 20, 145-61(1958).—Tendency for strain-aging of Al-killed mild steel is slightest if, after binding the O, there is still enough Al in the steel to tie up N, and before cold-working, the steel is heat-treated so that as large a quantity as possible of N is pptd. in the form of finely dispersed AlN. R. S. Young

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Distr: 4E2c

99. The determination by oxidation of austenitic grain size in mild steel. (In English) P. Szabó. *Acta Technica Academiae Scientiarum Hungaricae*, Vol. 21, 1958, No. 1—2, pp. 70—86, 8 figs., 1 tab.

A method suitable for determining the austenitic grain size of mild steel is the heating of the specimens in purified industrial N_2. The appropriate quantity of O_2 contained in the N_2 oxidates and exposes to view the austenite grains corresponding to the temperature of heating. The coarsening temperature of the austenite grains of an aluminium-killed mild steel examined by this method practically coincides with the AlN dissolution temperature.

JW
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Distr: 4E2c

2
1

The rate of oxidation of steel and cast iron in a steam atmosphere. P. Szeki. *Acta Tech. Acad. Sci. Hung.* 22, 120-34(1958)(in English).—The rate const. for oxidation of low-C mild steel and of cast iron in steam at 500-750° was detd. from the wt. increase of oxidized specimens. The equation of the straight lines expressing the relation between the log of the rate const. and the reciprocal values of the abs. temp. T, is, for steel, $\log k = (-8450/T) - 0.923$; and for cast iron, $\log k = (-8500/T) - 0.626$. J. J. H.

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18

Surface treatment of articles made by iron powder metallurgy. Pálma Széki. *Gép* 11, 178-80(1959).—The pores inherent in articles manufd. by Fe-powder metallurgy were sealed by oxidn. in superheated steam. This treatment resulted in sealing the voids over the entire surface and a considerable portion of those throughout the interior, depending on pore size. In a test, the initial 27% porosity of a part was reduced to 2%. Microscopic examn. showed that the oxide consists of wüstite and magnetite. It is possible to deposit Ni electrolytically directly on the surface of articles prepd. by this method without any intermediate treatment such as degreasing, copperizing, or priming. Ni-plated articles were kept for 14 days in a 100% relative humidity chamber without any evidence of corrosion. L. C. Arnal

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, P.

Protective value of surface treatment with superheated steam. In English. p. 371.

ACTA TECHNICA. (Magyar Tudomanyos Akademia) Budapest, Hungary. Vol. 25, no. 3/4, 1959.

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

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89336

H/014/60/000/001/002/002
E190/E435

18.1210

AUTHORS: Széki, Pálma (Miss) and Eöllős, Zoltánné (Mrs.)

TITLE: The Corrosion of MBV-Treated Aluminium in Alkaline Media

PERIODICAL: Kohászati lapok, 1960, No.1, pp.38-40

TEXT: In many industrial applications, aluminium is subjected to the attack of alkaline media and it was thought that sealed anodic films might improve the resistance to corrosion. In the absence of published data, experiments were carried out on 99.5% purity aluminium sheets. Half of the specimens were oxidized for 30 minutes according to the modified Bauer-Vogel process and sealed by holding for 1 hour in 100°C steam, the other half was simply degreased in benzene for control purposes. Then, the specimens were placed into solutions of 8.1, 8.6, 8.9, 9.5 and 9.9 pH (made of sodium hydroxide and of tartaric acid) and kept for 26 days at 40°C. They were inspected and weighed every 3 to 4 days. The solutions were changed on the 22nd day because, especially with untreated specimens, a large amount of $Al(OH)_2$ accumulated in solutions of higher pH. The discolouration of specimens and segregation of $Al(OH)_2$ in the solution was considerably

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89336

H/014/60/000/001/002/002
E190/E435

The Corrosion of MBV-Treated ...

delayed by the anodic film and whilst the untreated sheets were perforated in solutions of 9.5 and 9.9 pH, only one pinhole was observed in the anodized specimen exposed to the 9.9 pH solution. The weight of loss was rapid initially but slowed down when most of the NaOH was used up only to speed up slightly again when, according to W.J.Müller and E.Löw (Ref.1: Aluminium, 1938, p.257) the accumulated sodium-aluminate hydrolised, producing more NaOH:

$$Al(OH)_2ONa + H_2O = Al(OH)_3 + NaOH.$$

The averaged weight loss was as follows:

pH of solution	Weight change in mg/dm^3 day	
	MBV treated	Untreated
8.1	- 0.1076	- 0.3114
8.6	- 0.1692	- 0.7538
8.9	- 0.4538	- 1.9577
9.5	- 0.9000	- 2.8230
9.9	- 1.9384	- 5.3152

Card 2/3

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89336

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The Corrosion of MBV-Treated ... E190/E435

Hence, from a comparison with the behaviour of untreated aluminium, MBV treatment (combined with sealing) shifted the resistance by 1 pH value towards the more alkaline solutions. There are 2 figures, 2 tables and 1 non-Soviet-bloc reference.

Card 3/3

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, P., Cand. of Eng.Sc.

The influence of heat treatment on the strain-ageing of aluminium-killed mild steel. Acta techn Hung 32 no.1/2:141-148 '61. (EEAI 10:5)

1. General Engineering Design Institute, Budapest.
(Steel) (Aluminum)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, Palma, dr.

"Jahrbuch der Oberflachentechnik", vol. 17, 1961. Reviewed by Dr. Palma Szeki. Koh lap 95 no.1:48 Ja '62.

(Surfaces(Technology))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, Palma; EOLLOS, Zoltanne

Aluminum corrosion treated by the Modified Bauer-Vogel process in alkaline agent. Koh lap 93 no.1:38-40 Ja '60.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, Palma, dr.

Aging process of the aluminum-soothed soft steel. Gepgyartastechn 3 no.7: 245-249 Jl'63.

1. Altalanos Geptervezo Iroda.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, Palma, dr.

Deformation aging of aluminum-soothed soft steel. Gep 15 no.11: 439-444 N'63

1. Altalanos Geptervezo Iroda, Budapest.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKI, Doctor of eng. sc.

Demonstration of the Luders lines on phosphated sheets by the Erichsen test. Acta techn Hung 44 no.3/4:447-450 '63.

1. General Design Institute for the Engineering Industry, Budapest.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKLER, Robert

Histopathology of sympathetic ophthalmia. Radovi Med. fak. Zagrebu 3:278-282 1956.

1. Iz Kliniki za ocne bolesti Medicinskog fakulteta u Zagrebu (predst. prof. dr. Zvonimir Pavisic).
(OPHTHALMIA, SYMPATHETIC, pathology, (Ser))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKRENYESSY, Istvan (Budapest)

Potentiometer exchange in TV. Radiotechnika 13 no.1:23 Ja '63.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKRENYESY, T.

5

Comparative studies on the determination of specific surface areas by liquid adsorption. G. Schay, L. Gy. Nagy, and T. Szekrenyesy (Polytech. Univ., Budapest, Hung.). *Periodica Polytech.* 4, 95-117(1960).—Three methods of detg. surface area were applied to Al_2O_3, SiO_2, and C adsorbents. (*1*) Adsorption isotherms for miscible liquid pairs (e.g. mixts. of EtOH, benzene, cyclohexane, pyridine, etc.) were plotted as x_1 (decrease of amt. of component I in soln.) *vs.* x_1 (mol. fraction of component I), and any linear portion extrapolated to $x_1 = 0$. The intercept was assumed to give the amt. of component I, and the slope gave the total amt. of components I and II, in the surface layer. (*2*) Similar measurements with partially miscible liquids (e.g. BuOH in H_2O) yielding Brunauer Type I isotherms gave the amt. in the surface layer from extrapolation of amt. adsorbed to satn. (*3*) Total heat of immersion (in H_2O) was measured calorimetrically, and surface areas relative to a reference sample of known (B.E.T.) area were evaluated. Method (*3*) is useful for relative measurements on samples of the same material, whereas (*1*) yields results in agreement with the B.E.T. method and may be used for abs. surface area measurement.

George L. Gaines, Jr.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKRENYESY, TAMAS

5

Surface-area determination by measurement of the heat of immersion. Géza Schay, Lajos Gyorgy Nagy, and Tamás Szekrényesy (Műszaki egyetem, Budapest, Hung.). *Magyar Kém. Folyóirat* 66, 271-ix(1960); cf. Boyd and Harkins, *CA* 36, 4002[8].—The method of Harkins and Jura (*CA* 38, 5125[5]) is not applicable to porous adsorbents without modification. The heat of immersion is measured by plotting the temp. against the time for a Dewar vessel, elec. heated at a const. rate, while the adsorbent is released into the liquid by breaking its thin-walled container. For oxide adsorbents where the surface is of the order 100-300 sq. m./g. the measurements can be carried out in calorimeters sensitive to 0.1 cal. Three types of Al_2O_3 were measured, and the specific surfaces obtained are compared with those obtained by 3 other methods. This method is most suitable for the detn. of relative surface areas.

E. B. Richards

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SCHAY, G., prof. (Budapest, XI., Sztoczek u.2); NAGY, L.Gy. (Budapest, XI., Sztocek u.2); SZEKRENYESY, T. (Budapest, XI., Sztoczek u.2)

Comparative studies on the adsorption equilibrium of liquid mixtures on solid-liquid resp. liquid-gas interfaces. Periodica polytechn chem 6 no.2:91-111 '62.

1. Department for Physical Chemistry, Polytechnical University, Budapest. 2. Editorial Board member, "Periodica Polytechnica Chemical Engineering" (for Schay).

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NAGY, L.Gy. (Budapest, XI., Budafoki ut 8); BODNAR, J. (Budapest, XI., Budafoki ut 8); DEMJEN, Z. (Budapest, XI., Budafoki ut 8); SANDOR, J. (Budapest, XI., Budafoki ut 8); SZEKRENYESI, T. (Budapest, XI., Budafoki ut 8)

Neutron activation investigation of impurities of high purity gallium. Periodica polytechn chem 7 no.2:147-167 '63.

1. Department for Physical Chemistry, Polytechnical University, Budapest.

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SZEKRENYI, P

SZEKRENYI, P. Soil conditions of the Sarret region of production. p. 340

Vol. 8, No. 8, August, 1956
AGRARTUDOMANY
AGRICULTURE
Budapest

SO: EAST EUROPEAN ACCESSIONS, Vol. 6, No, 3, March 1957

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SZEKSZARDI, Jozsef, okleveles konyvvizsgalo

Certain problems relating to the economical management in coal mining. Bany lap 97 no.3:196-202 Mr '64.

1. Penzugyi-es Revizori Fovosztaly, Nehezipari Miniszterium.
2. Finance and Auditing Division, Ministry of Heavy Industry, Budapest.

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SZEKULESZ, Agnes

On vulvar preblastomatosis and cancer. Magy.noorv.lap. 26 no.4: 212-218 Jl 63.

1. Fovarosi Uzsoki utcai korhaz Onko-Radiologiai Intezetenek közlemenye.

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SZEKULESZ, A.; SZABO, I.; KARPATI, G.; BODOKY, G.

Our experiences with liver scintillography; or: radioisotope scanning of the liver. Neoplasma (Bratisl.) 11 no.4:417-424 '64.

1. Onko-Radiologisches Institut, II Chirurgische Abteilung des Hauptstadtischen "Uzsoki"-Krankenhauses, Budapest, Ungarn.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

HUNGARY

SZEKULESZ, Dr Agnes, Institute of Oncoradiology of Budapest (Fovarosi Onkoradiologiai Intezet), Uzsoki Street Hospital (Uzsoki u. Korhaz), Budapest.

"Problem of the Early Relapse and Metastasis of Breast Tumors in the Light of the Therapy Employed"

Budapest, Magyar Onkologia, Vol 10, No 4, Dec 1966; p 201.

Abstract: During 1946-1962, 518 patients with breast cancer were subjected to clinical examination at the Institute of Oncoradiology of the Uzsoki Street Hospital. In 1946-1957 the predominant surgical procedure was that of Kocher-Halstedt, , which was followed by classical deep X-ray irradiation. In 1958-1962 some of the patients were subjected to postoperative irradiation only, and some of them to both pre- and postoperative irradiation. The patient group receiving preoperative irradiation exhibited a 26.5% higher recovery rate and freedom from relapse than the groups receiving only postoperative irradiation.
No references.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

HUNGARY

NEMESERI, L., SZEKY, A.; State Institute of Veterinary Hygiene (director: KADAR, T.) (Allami Allategeszsegugyi Intezet), Budapest.

"Demodicosis of Swine."

Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol XVI, No 3, 1966, pages 251-262.

Abstract: [English article, authors' English summary modified] Investigations were carried out to determine the rate of infection with demodicosis among different swine breeds, in Hungary. Of 2000 1-2 year-old pigs, 70 (3.5 per cent) were found to be Demodex carriers. The paper deals with the description of the parasite, the morphology and histological characteristics of skin demodicosis, its macroscopic and microscopic diagnosis and, in conclusion, a discussion of the influence of demodectic lesions on the quality of the skin. Although demodectic lesions can be treated successfully with a 2 per cent solution of Neguvon, it would be better to attempt to eradicate the disease from the afflicted herds, in the authors' opinion. No references. [Manuscript received 15 Sep 65.]

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEKY, A.

Histopathology of the horse and swine diseases caused by Bacterium pyosepticum. Acta veter Hung 12 no.2:145-156 '62.

1. Staatliches Institut fur Veterinarhygiene (Direktor: T.Kadar) in Budapest.

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HUNGARY

SZEKY, A., SZABO, I.; State Institute for Veterinary Hygiene (Director: KADAR, T.) [Hungarian version not given], Budapest.

"On the Diagnosis and Pathogenesis of Sodium Chloride Poisoning of Pigs and the Occurrence of Eosinophilic Meningitis and Encephalitis."

Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol 12, No 3, 1962, pp 319-341.

Abstract: [German article; Authors' German summary abridged] The correlation between eosinophilic meningitis and encephalitis and poisoning by sodium chloride makes the histological test of brain tissue a useful diagnostic aid. The strongly eosinophilic character and the localization in the gray matter of the infection differentiate it from virus encephalitis. The syndrome is assumed to be the product of disturbances in electrolyte balance, blood supply and the hypothalamus-pituitary-adrenal system. About one fourth of about two dozen references are Eastern European.]

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

HUNGARY

SZEKY, A., and MIKLOVICH, N. of the State Institute of Animal Hygiene (Director: KADAR, T.), Budapest [Original version not given].

"Histopathological Changes in the Rat Kidney Following Administration of Sulfamethylthiazole"

Budapest, Acta Veterinaria, Vol 12, No 4, 1962; pp 351-371.

Abstract [English article, authors' English summary]: Histopathological changes following protracted administration of p-aminobenzenesulfonamido-4-methylthiazole (Ultraseptyl [US], Chinoin - Budapest) have been studied in rats. Forty-eight young animals of both sexes and an average body weight of 110 g were used. US was admixed to the food in concentrations of 0.2, 0.5 and 1.0 percent. The animals were killed on the 1st, 2nd, 3rd, 4th, 6th, 14th, 35th and 70th day; their liver, spleen, kidneys and adrenal glands -always together with the corresponding organs of untreated control animals- were histologically examined. Members of the groups that had received 0.2 and 0.5 percent US showed no essential histological change. Rats treated with 1.0 percent US presented, chronologically, the following renal lesions: (1) Nephrosis from the first

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BERTOK, Lorand; PENZES, Laszlo; SZEKY, Antal

Effect of diets containing different quantities and qualities of proteins on the sexual activity of female albino rats. Kiserl. orvostud. 14 no.1:41-48 Mr '62.

1. Allatelettani Kutato Intezet, Budapest es Orszagos Allategeszsegugyi Intezet Korszovettani Osztalya, Budapest.
(PROTEINS nutrition & diets) (SEX BEHAVIOR)

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Data on the diagnostics and pathogenesis of sodium chloride intoxication of swine and the occurrence of eosinphile-celled meningitis and encephalitis. Acta veter Hung 12 no.3:319-341 '62.

1. Staatliches Institut fur Veterinarhygiene (Direktor:T.Kadar), Budapest.

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Histopathological changes in the rat kidney following administration of sulphamethylthiazole. Acta veter Hung 12 no.4:351-371 '62.

1. State Institute of Animal Hygiene (Director: T. Kadar), Budapest.

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A case of the generalized form of Cryptococcosis in dogs. Acta veter Hung 14 no.1:127-138 '64.

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The incidence of regional ileitis in pigs and in a rabbit. Acta veter Hung 14 no. 2:219-226 '64.

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CSONTOS, Laszlo, dr.; SZEKY, Antal, dr.

Sporadic occurrence of encephalomyelitis (Miyagawanellosis) in Hungary. Magy allatorv lap 19 no.1:4-7 Ja '64.

1. National Institute of Veterinary Hygiene, Budapest (Director: Dr. Tibor Kadar).

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SZABO, Istvan, dr.; SZEKY, Antal, dr.

Regional ileitis in pigs and rabbits. Magy allatorv lap 19 no.2:40-42 F '64.

1. National Institute of Veterinary Hygiene (Director: Dr. Tibor Kadar), Budapest.

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CSONTOS, Laszlo, Dr, SZEKY, Antal, Dr; National Animal Health Institute (director: KADAR, Tibor, [illegible] vet. sci.) (Orszagos Allategeszsegugyi Intezet).

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"Macroscopic and Microscopic Lesions in the Nasopharyngeal Cavity of Pigs Affected with Aujeszky's Disease."

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 2, Feb 66, pages 53-56.

Abstract: [Authors' English summary modified] The lesions described were found in pigs of all ages infected either naturally or artificially with the virus of Aujeszky's disease. Pathologic lesions in the mucosa of the nasal and pharyngeal cavity were found in 15-20 per cent of the infected cases. Macroscopic lesions were found in the tonsils of 60 per cent of the animals. These consisted of superficial and deeper necrosis of the mucosa and necrotic foci in the tissues of Waldemeyer's lymphatic ring. Histological study of the lesions revealed damage to the epithelial layer, the formation of syncytia, activation of the lymphoid elements of the connective tissue and the formation of inflammatory and necrotic foci. The network of lattice fibers was also increased, followed by disintegration. Primary cause of the lesions was the growth of the virus in these tissues. Although not specific in the classical sense, the lesions are regarded as characteristic of the disease. The histological picture, especially the syncytium formation and the presence of intranuclear inclusion bodies, are specific for the disease. 5 Hungarian, 4 Western references.

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garian and 7 western. (Handbook [illegible]

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SZEKY, F.

Boring at the Goppel pit at Tokod. p. 451

A MAGYAR ALLAMI FODTANI INTEZET EVI JELENTESE Budapest, Hungary, 1955/56
(Published 1959)

Monthly list of East European Accessions (EEAI) LC, VOL. 9, No. 2, Feb. 1960
Uncl.

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SZEKY, F.

Boring in the area of Esztergom. p. 475

A MAGYAR ALLAMI FOLDTANI INTEZET EVI JELENTESE, Budapest, Hungary, 1955/56 (published 1959)

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N o. 3 boring at Billsmarot. p. 478

A MAGYAR ALLAMI FOLDTANI INTEZET EVI JELENTESE, Budapest, Hungary, 1955/56
(Published 1959)

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✓ Blood catalase in a hybridization experiment with rabbits. Gy. Fábián and P. Széky (Acad. Sci., Tihany). *Acta Biol. Acad. Sci. Hung.* 5, 119-30(1954)(in English).—Blood catalase and hemoglobin studies were made on European gray rabbits (*Oryctolagus cuniculus*), domesticated Flemish giants, and the hybrids from crossing these strains. The catalase was highest in the wild rabbits and lowest in the [illegible] of breeding had some influence on the catalase. The hemoglobin in young animals was 13% for the wild, 9% for the tame, and 12% for the hybrid. For the same strain, some correlation existed between [illegible] and catalase but not between strains.

A. Dietz

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SZEKY, P.

[illegible] between
[illegible] Blood-cata-
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MOLNAR, Gyula (Godollo); SZEKY, Pal (Godollo); NAGY, Emil (Godollo)

Haematological studies on pike perch (Lucioperca lucioperca L.) and bream (Abramis brama L.) of Lake Balaton. In German. Acta biol.Hung. 10 no.2:223-234 '59. (EEAI 9:5)

1. Zoologisches Institut der Agrarwissenschaften Universitat, Godollo. (Hungary--Lucioperca lucioperca) (Perch) (Rosefish)

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(Hungary--Lucioperca) (Hungary--Rosefish)

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Polarography and its possibilities for use in hydrobiology.
Hidrologiai kozlony 40 no.4:337-341 Ag '60.

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FABIAN, Gy.; IVANYI, P.; SZEKY, P.

Skin transplantation in partially inbred rabbits. Folia biol. (Praha) 9 no.6:440-443 '63.

1. Department for Research in Animal Genetics, Hungarian Academy of Sciences, Godollo, and Institute of Experimental Biology and Genetics, Czechoslovak Academy of Sciences, Prague.
(SKIN TRANSPLANTATION) (GENETICS)
(BLOOD GROUPS)

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Comparative analysis of the growth of Putorius putorius L. and Putorius furo L. on the ground of skeleton data. Allattani kozl 50 no.1/4:151-166 '63.

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Secrets of color formation in animals. Term tud kozl 8 no. 2: 59-61 F. '64.

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Hydrostatics of fish. Term tud kozl 9 no.4:162-167 Ap '65.

1. University of Agriculture, Godollo.

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SZEKY-FUX, V.

Fuel Abstracts
V. 15, January, 1954
Natural Solid Fuels;
Sources and Properties

145. ROLE OF MAGMATIC ROCKS IN COAL COMPLEX OF KOMLO. Szeky-Fux, V. (Acta geol. hung., 1952, vol. 1, 269-294; abstr. in Chem. Abstr., 1953, vol. 47, 6834).
Trachydolerites and phonolites are described, with nineteen chemical analyses. The rank of the coal is higher near the intrusive rocks, which are bleached; iron of the rock reacted to form pyrite, and plagioclase reacted to lose calcium, which then formed calcite.

C. A.

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SZEKY FUX, V.

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Vol. 85, no. 4, Oct./Dec. 1955
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GEOGRAPHY& GEOLOGY
Dudapest, Hungary

So: East Europeon Accessions,Vol. 5, no. 5, May 1956

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Data on the hydrothermal genesis of bentonities on the basis of research done in Komloska.

P. 361. (ACTA GEOLOGICA), Vol. 4, no. 3/4, 1957, in German
Budapest, Hungary

SC: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, No. 3, March 1958

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"The role of the Alfold loess in sodic-soil formation." p. 53.

FOLDTANI KOZLONY. BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY. (Magyar Foldtani Tarsulat). Budapest, Hungary, Vol. 89, No. 1, Jan./Mar. 1959.

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SZEKY-FUX, V.; ALFOLDI, L.

Carbonized siliceous trunk remnants from propylitic pyroxene andesite. p. 310

New limnetic lignite deposit (VL) in the western territory adjoining the Borsod lignite basin. p. 308

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(Magyar Foldtani Tarsulat) Budapest, Hungary. Vol. 89, No. 3, July/Sept. 1959

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[illegible], Belint, Lomernok

Innovations in the manufacture of animal proteins. Ujit lap 16 no. 6;21 25 Mr '64.

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MOCSARY, Jozsef, okleveles villamosmernok; SZEL, Gyorgy, okleveles gepeszmernok

Low-voltage current-limiting fuse with knife (lever) system and extra high interrupting capacity. Villamossag 10 no.9:257-263 S '62

1. Villamosipari Kutato Intezet tudomanyos osztalyvezetoje (for Mocsary).
2. Vilagitastechnikai Vallalat fomernoke (for Szel).

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NAGYLUCSKAY, Sandor, SUJBERT, Laszlo, SZEL, Gyorgy, TAPFER, Dezso, VEDRES, Istvan; Medical University of Budapest, Institute of Hygiene (director: VEDRES, I.) Budapesti Orvostudomanyi Egyetem, Egeszsegtani Intezet).

"Animal Experiments Concerning the Etiology of Viral Hepatitis."

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol XII, No 4, 1965/66, pages 351-356.

Abstract: [English article, authors' English summary modified] Attempts were made to reproduce the experiments of BERTOK et al., i.e. to render rats susceptible to human hepatitis by the addition of 0.3 per cent of ethionine (23-25 mg daily) to a methionine-deficient diet. Rats kept on this diet (group I) as well as rats kept on a normal diet (group III) were administered material obtained from patients suffering from acute hepatitis. The animals together with non-infected controls (groups II and IV) were kept under observation to record the incidence of jaundice and death. Serum samples were tested for hemagglutination and transmission of the hemagglutinating factor to embryonated eggs was attempted. Electrophoretic analysis of the serum proteins was also carried out. There were significant differences between group I and the other groups in the relative level of gamma globulin, in the hemagglutinating capacity of the serum and in the results of egg inoculations. Because of the occurrence of jaundice

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SZEL T. A masodik vilaghaboru vervesztesgerol es a haland osagot emelo egyeb hatasairol On the blood loss and other factors, raising the mortality rate in the second world war Orvosok Lapja, Budapest 1947, 3/49 (2098-2103) Tables 5

SO: Medical Microbiology and Hygiene, Section IV, Vol. I, #1-6

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZEL, T. 1949

" A Recent Aspect of Vital Statistics From 1945 to 1947."

Nepegeszs., Budapest, 1949 30(75-81)
Exc. Med. IV, Vol. 11, No. 6, p. 656

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SZEL, T. 1949

"Recent Aspects of Vital Statistics.(1945-1947)."

Nepegeszs., Budapest, 1949 30(1170121)
Abst: Exc. Med. IV, Vol. 11, No. 7, p. 753

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SZELAG, Janusz

Evaluation of vaccines and of the effectiveness of vaccinations against typhoid fever. XV. An epidemic of typhoid fever in Legionowo in 1961. Przegl. epidem. 17 no.1/2:111-113 '63.

1. Z Warszawskiej Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Aninie Dyrektor dr med. J. Zasztowt.
(TYPHOID-PARATYPHOID VACCINES) (TYPHOID)
(EPIDEMIOLOGY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

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SZELAG, Janusz; MIKULSKI, Zbigniew

Evaluation of vaccines and of the effectiveness of vaccinations against typhoid fever. XVI. An epidemic of typhoid fever in a section of a city included in the program of control vaccination. Przegl. epidem. 17 no.1/2:115-122 '63.

1. Z Warszawskiej Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Aninie Dyrektor: dr med, J. Zasztowt oraz ze Stacji Sanitarno-Epidemiologicznej miasta Żyrardowa.
(TYPHOID-PARATYPHOID VACCINES) (TYPHOID)
(EPIDEMIOLOGY)

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NARUSZEWICZ-LESIUK, Danuta; SZELAG, Janusz

Evaluation of vaccines and the effectiveness of anti-typhoid vaccination. XX. The level of agglutinins O,H. Vi in the blood serum 2 years after vaccination with vaccines K,N,P,S.T and 2 weeks after vaccination with vaccine P. Przegl. epidem. 18 no.3:355-357 '64

1. Z Zakladu Epidemiologii Akademii Medycznej w Warszawie (naukowy opiekun: prof. dr. med. J. Kostrzewski) oraz z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej Warszawa-Anin (dyrektor: dr. med. J. Zasztowt).

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SZELAG, Janusz; RZEWUSKA, Stanislawa

Evaluation of the vaccine and the effectiveness of vaccinations against typhoid fever. XXII. An epidemic of typhoid fever in Siedlce in 1962. Przegl. epidem. 18 no.4:427-431 '64.

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Evaluation of the vaccine and effectiveness of vaccinations against typhoid fever. XXIII. An epidemic of typhoid fever in Glinojeck in 1962/1963. Przegl. epidem. 18 no.4:433-438 '64.

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SZELAG, Maria; KOZLICKA, Maria

Determination of copper in ores by complexone III. Chem anal 7 no.4:815-820 '62.

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CHERIAN, Zenobiusz; SZELAGOWICZ, Bozena

A case of malignant ganglioneuroma and pleural empyema with a similar radiological picture. Pediat. Pol. 37 no.5:525-527 My '62.

1. Z Dziecicecego Osrodka Sanatoryjno-Prewentoryjnego w Rabce Dyrektor: dr med. J. Rudnik.

(LUNG NEOPLASMS radiog)
(GANGLIONEUROMA radiog)
(EMPYME radiog)

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SZELAGOWSKA, HENRYKA

KRUKOWSKA, Helena; PASZKOWSKA, Anna; JANISZEWSKA, Maria; HARASIAWICZ, Stefan; SZELAGOWSKA, Henryka, Otwock

Analysis of home environment of children treated at the Marchlewski sanatorium in Otwock in 1952/1953. Gruzlica 22 no.10:732-744 Oct 54.

1. Z Oddzialu Pediatrycznego Instytutu Gruzlicy, Kierownik: prof. dr. Fr.Groer

(TUBERCULOSIS, in infant and child
home environmental factors in etiol.)
(ENVIRONMENT
in etiol. of tuberc. of child.)

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SZELAGOWSKA, M.; BELLEN, Z.

Determination of 5-actylamine-1,3,4-thiadiazol-2 sulfonyl chloride in a technical prod product. p. 9.

CHAMIA ANALITYCZNA. (Komisja Analityczma Polskiej Akademii Nauk i Naczelna Organicacja Techniczna) Warszawa, Poland. Vol. 4, No. 1/2, 1959.

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SZELAGOWSKA, M.; BELLEN, Z.

Analytic checking of 2-sulfonamide-5 acetylaming-1,3,4-thiadiazol synthesis. p.29.

CHAMIA ANALITYCZNA. (Komisja Analityczma Polskiej Akademii Nauk i Naczelna Organicacja Techniczna) Warszawa, Poland. Vol. 4, No. 1/2, 1959.

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WISNIEWSKI, Wladyslaw; JABLONSKI, Stefan; MACHALA, Krystyna; SZELAGOWSKA, Maria

Determination of ethanol in some tinctures by means of the ebulliometric method and according to the method in Polish Pharmacopoeia III, and the comparison of the results obtained with these 2 methods. Acta pol. pharm. 20 no.1:35-42 '63.

1. Z Zakladu Farmacji Stosowanej Akademii Medycznej w Warszawie Kierownik: prof. dr Wl. Wisniewski.
(ALCOHOL, ETHYL) (CHEMISTRY, PHARMACEUTICAL) (DOSAGE FORMS)

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SZELAGOWSKI, FRANCISZEK

Szelagowski, Franciszek. Problème d'élasticité plane en [illegible] de variables complexes. [illegible]

[illegible] stresses and displacements in two-dimensional problems. [illegible]

Source: Mathematical Reviews, Vol No. 1

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Szelągowski F. Steel and Wooden Bridges.

„Mosty stalowe i drewniane". Inżynieria i Budownictwo. No. 3. 1951, pp. 104—110.

Bridge construction and constructional problems: co-operation of these disciplines in didactic problems. Requirements for working cadres, scientific equipment and premises for research institutes. The problem of reducing the consumption of steel in bridge construction. Strength, chemical composition and the use of high-grade steel. Substitution of welded joints for riveted joints. Aluminium alloys-their advantages and drawbacks. Methods of reducing the weight of platforms. Advantages of continuous lattice beams. The necessity for amending steel standards and variety. Replacing metal constructions by reinforced concrete constructions.

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SZELAGOWSKI, FR.

3

489. Szelagowski, Fr., Rational forms of bridge arches (in Polish), *Arch. Mech. Stos.* 3, 3/4, 271–291, 1951.

Paper deals with the rational forms of bridge arches under action of ballast and earth filling. It is assumed that the arch is flat. The terms containing the second derivative of the arch ordinates and the horizontal components of the earth-filling pressure are neglected. The problem is considered as a variational one. It consists of determining the equation $y = f(x)$ of the arch axis according to the condition of minimum of the integral $U = \int_{-l}^{+l} (M^2/2EJ_x)dx$, giving the potential energy of elastic deformation due to the bending moments of the arch. The equation $y = f(x)$ may also satisfy the conditions of equilibrium and the conditions at edges.

To simplify this problem, author calls attention to the fact that the values of bending moments are the greatest at skew-backs and gives solutions in which these values depend upon several coefficients of a differential equation. The arch axis for different values of these coefficients arrives at same forms which are found by Denfert-Rochereau, Legay, Tolkmitt, and Hagen.

%. Wasiutyński, Poland

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SZELAGOWSKI, F.

"On Some Special Cases of Equilibrium of an Infinite Disk With a Core of Different Plasticity From The Elliptical Outline," Byull. Pol'skoy Akad. Nauk, Otd. IV, Vol 1, No 3, 19[illegible], [illegible] 59-[illegible]

Formulas are derived for the greatest tensile stresses along the contour of the joint of an elastic sheet and an elliptical rigid core during uniaxial elongating of the plant (along the major axis of the ellipse) and for the greatest tensile stress at the same point of a soldered elliptical elastic core both at a fixed temperature and during cooling. (RZhMekh, No 5, 1955) SO: Sum.No. 713, 9 Nov 55

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SZELAGOWSKI, F

POL.

The Bending of a Bar Subjected to a Changing Load. F. Szelagowski. (*Bulletin de l'Académie Polonaise des Sciences*, 1954, [illegible]-39). [In German]. An equation is derived for determining a force applied to the upper end of a vertical prismatic bar which will be sufficient to bend the bar when it is already subjected to a constant load over its whole length.

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SZELAGOWSKI, F

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POL

3531 624.324 : 624.042 : 539.411

Szelągowski F. The Buckling of Flat Arches.

„Wyboczenie łuków płaskich". Drogownictwo. No. 4. 1954, pp. 78–81, 5 figs.

A simplified formula is given for the critical value of horizontal thrust of a two-pivot parabolic or circular arch. By introducing the shape of the arch axis in the form of a curve deflecting from a given load, this formula makes it possible to generalise the tests for the buckling of flat arches. The author also provides a formula for safe compressive stress at the least advantageous cross-section of the arch; this constitutes a means for checking the resistance to buckling of flat arches.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

Szelagowski, F.

3691. Szelagowski F., The influence of a bolt driven into a hole in a plate subjected to tension or bending (in Polish, with Russian and English summaries), *Arch. Mech. stos.* 6, 365-388, 1954.

MN

Complex function theory is used to solve particular cases of circular holes in infinite plates with inserted, larger diameter, elastic disks. [See N. I. Muskhelishvili, "Some basic problems of the mathematical theory of elasticity," Izd. Akad. Nauk SSSR, Moscow-Leningrad, 1949; AMR 7, Rev. 2099].

J. R. M. Radok, Australia

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SZELĄGOWSKI, F.

On the Stretching of an Unbounded Disk with a Central Hole of Different Elasticity. F. Szelągowski. *Bul. Acad. Polonaise Sci. (Warsaw)*, No. 2, 1955, pp. 79-84. Analytical method based on the Lamé formulas for the problem of stress and strain distribution in a circular hole.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

The Problem of a Couple Acting on the Periphery of a Circular Hole in an Infinite Plate. F. Szelagowski Bul Acad Polonaise Sci (Warsaw), No 3, 1955.

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215/122 Arch.Mech.Stosow.
A Couple Acting on the Periphery of 7(3) 337-344
Infinite Plate

HN

(Bibl. 3)

The Influence of a Bolt Inserted in a Hole of an Infinite Plate Subjected to One-Directional Tension or Compression on the Stresses in the Plate. F. Szelg-

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

Solution of the Plane Problem of the Theory of Elasticity in Rectangular Co-Ordinates, Body Forces Being Taken into Consideration. F. Szelagowski *Bul Acad. Polonoise Sci.* (Warsaw), No 2 1968, pp 105-110.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZELAGOWSKI, F.

The problem of a couple acting on the periphery of a circular hole in an infinite plate. In English. p. 139. ODZIEZ, Lodz. Vol. 3, no. 3, Mar. -May 1956.

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

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F

The Tension with Concentrated Forces [illegible] Inclusion. F. Szelągowski. *Bul. Acad. Polonaise Sci.* (Warsaw), No. 3, 1956, pp. 145-152. Analysis to determine the stresses at an arbitrary point of an infinite plate with a rigid circular inclusion, due to the action of concentrated forces, symmetrical in relation to the inclusion.

VMK Sfl LFH

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7"

An Infinite Plate with a Circular Hole, Subjected to Tension with Concentrated Forces. F. Szelągowski. *Bul. Acad. Polonaise Sci.* (Warsaw), No. 4, 1956, pp. 259-260.

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZELĄGOWSKI, FRANCISZEK

Szelągowski, Franciszek. One-directional tension of a circular ring. Rozprawy Inż. 4 (1956), 431–439. (Polish. Russian and English summaries)

The state of stress in a flat circular elastic ring with rigid inclusion under uniaxial tension is established by using Laurent series. *A. M. Freudenthal.* — Adp

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SZELĄGOWSKI FRANCISZEK

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~~Distr: [illegible]~~

1.FW

Szelagowski, Franciszek. A semi-infinite plate having a rigid circular inclusion and subjected to tension. Arch. Mech. Stos. 8 (1956) 295-304.

The author discusses the determination of stresses at a generic point of a semi-infinite plate with a rigid circular inclusion subjected to tensile forces parallel to the edge [illegible] by conformally [illegible] a circular ring. The author's calculations show that for the single case considered, the maximum stress on the boundary of the inclusion is approximately twice the stress at the same point of a similar plate without the inclusion. W. R. Howe (Troy, N.Y.).

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001754510001-7

SZELAGOWSKI, F.

AN ELASTIC CIRCULAR RING SUBJECTED TO
UNIDIRECTIONAL LOAD [illegible]

developed is additionally [illegible]
[illegible] problems concerning doubly connected re-
[illegible] which can be mapped conformally into a circ-

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