

SZPOR, S.

621.314.222

✓ 4068. The new model of standard voltage transformer for 3-16.5 kV/2x110 V. S. SZPOR, E. SZULC AND E. DYRKOWSKI. *Przeglad Elektrotech.*, 31, No. 2-3, 278-80 (1955) in Polish.

EE There are 10 pairs of terminals for 10 different primary working voltages. The magnetic circuit of transformer has induction of 5000 gauss. Cross-section of winding is loaded by 2 A/mm² for an output 1 500-2000 VA. The primary has a regulation winding of 3x100 turns and 10x10 turns next to secondary winding. There is continuous regulation by variation of resistance of 0.2Ω wire fed by one additional turn. There are no internal discharges up to 1.2V_n. To reduce the error for >5.5 kV capacitive compensation is used. The secondary winding is permanently loaded by 3000Ω resistance. The graphs show that the errors are kept within the limits: ±0.01% for ratio and ±1 min for phase.

M. W. MAKOWSKI

② *MSW*

SZPOR, S.

P O L . .

621.314.2.014.3 : 621.317.613

3548. Preliminary conclusions from research on momentary short-circuit transformer current rating and related tests. S. SZPOR, H. DZIERZEK, W. WINDARSKI, E. DYTROWSKI AND J. SUCHOCKI. *Przegląd elektro-tech.*, 31, No. 2-3, 273-8 (1955) In Polish.

The importance of forces transmitted from busbars to the terminals and forces exerted on windings by the busbars is shown. Examples of damage produced by these forces on s.c. are given. The oscillograms and graphs of secondary s.c. current and s.c. primary voltage are shown. The need in manufacture of a routine test, with secondary open, of the insulation between transformer windings is stressed with a view to ensure dielectric strength under s.c. conditions.

M. W. MAKOWSKI

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SZ POR S.

in French, with summaries (6 pp.) in Russian and (6 pp.) in English.

A theoretical study using simplifying assumptions. The discharge current of the station surge diverter and the effects of station capacitance are first examined in a circuit consisting of a series inductance placed between an expulsion type and a valve type surge diverter. In this circuit the ratios of peak current and the duration can be obtained, and the effect of station capacitance on the current is also studied.

where V is the voltage of the station, L is the inductance of the circuit, C is the station capacitance, R is the resistance of the circuit, t is the time, i is the current, i_0 is the peak current, t_0 is the duration of the current, i_{max} is the maximum current, and t_{max} is the maximum duration of the current.

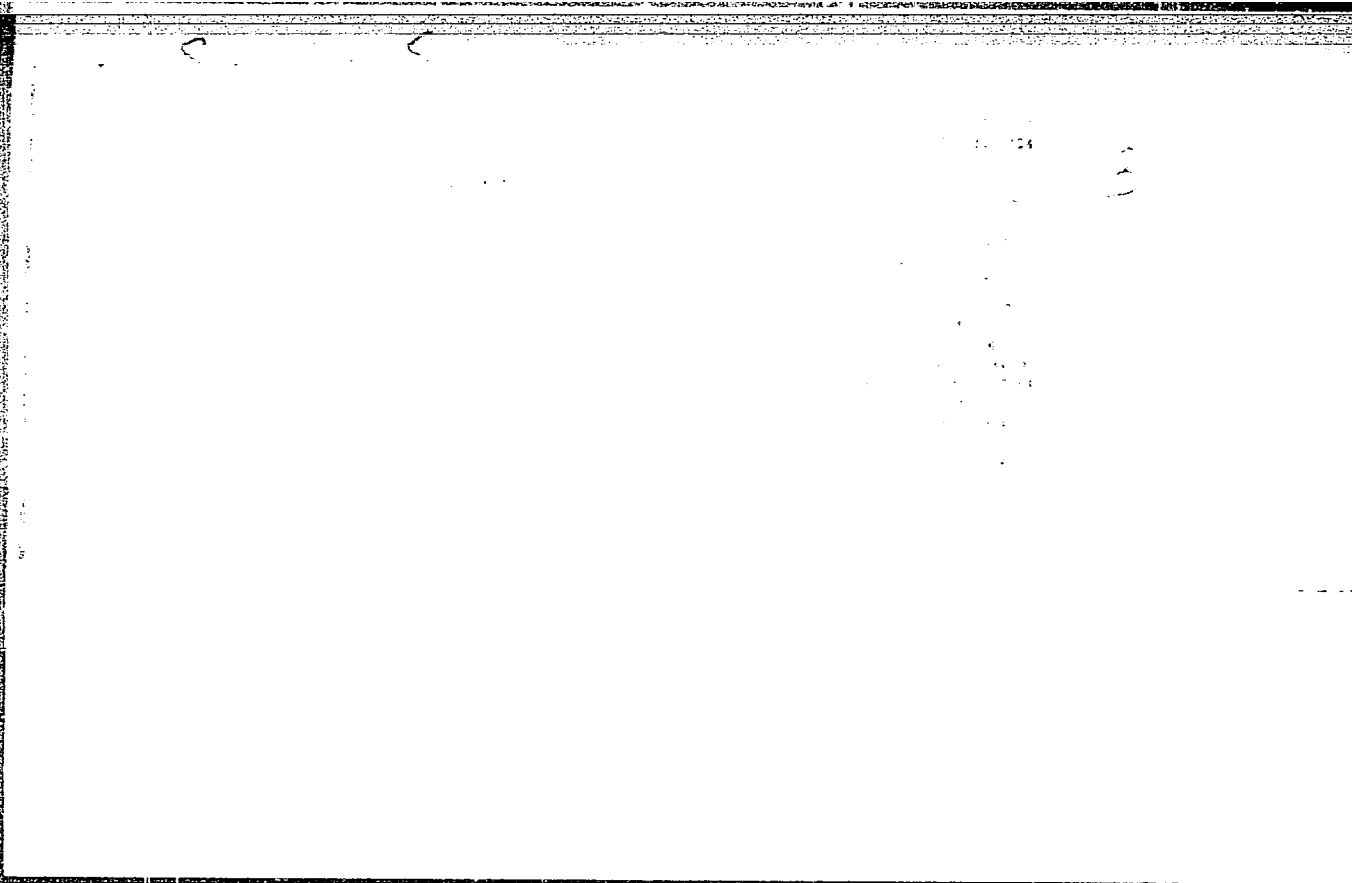
SZPOR, S.; KOTLOWSKI, J.

A series of photographic studies on lightning and the atmospheric discharge of electricity. p. 21. (Archiwum Elektrotechniki, Vol. 6, No. 1, 1957, Warsaw, Poland)

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

"APPROVED FOR RELEASE: 08/31/2001

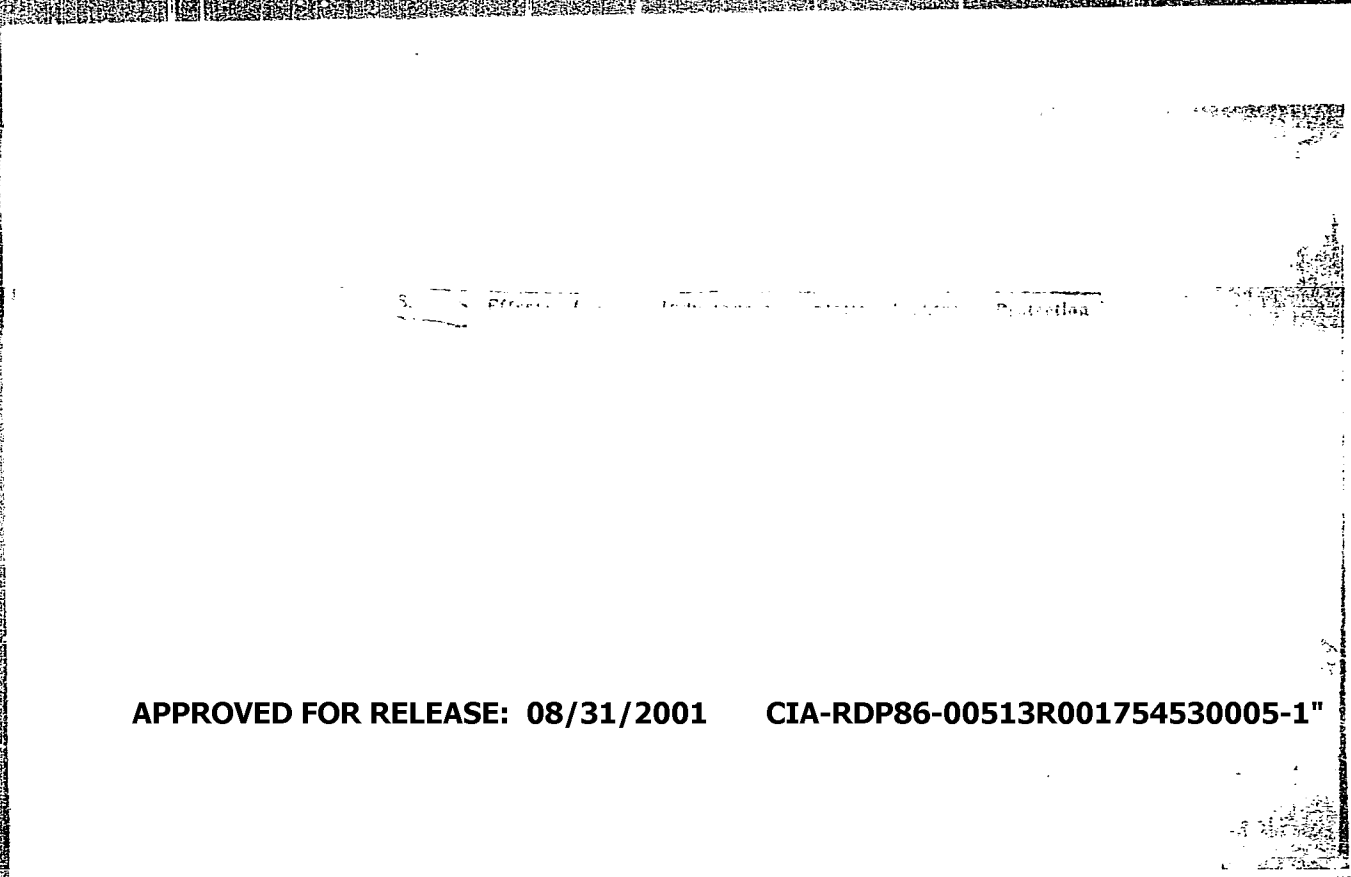
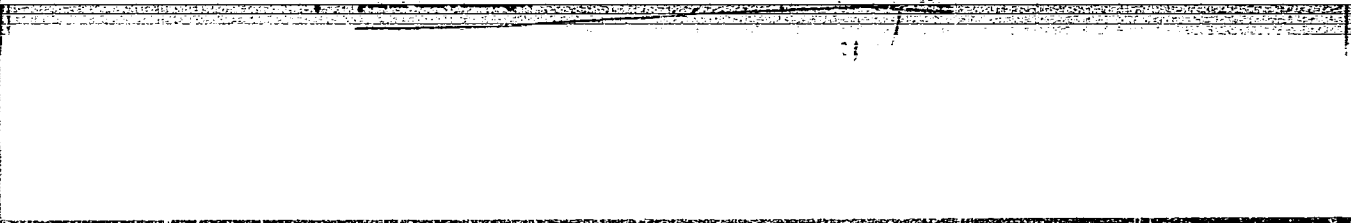
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side of valve-type starters. Finally, more convenient duffel bags are introduced for the calculation of unwanted inductive voltage drops in the case of multi- and high-voltage feed lines. Numerous variants

Distr: 4E2d(a)

5
1-86
1-92
1/88

✓ 10.2-339

551.594.221.779

Szpor, S. and Kotowski, J., Series of photographic studies on lightning and air discharges. *Acta Geophysica Polonica*, Warsaw, 6(1):18-31, 1958. 9 figs., 45 refs. DWB, DLC—Double moving-film cameras are described, with which lightning flashes and air discharges are recorded in Poland. Some photographs obtained in the northern district of Wejherowo are reproduced and discussed. Records of air discharges show either minuscule discharge branches or principal trunks. Abrupt strokes and long-duration phenomena occur. Some abrupt strokes resemble main strokes of lightning flashes. Photographs frequently reveal relations of lightning strokes to earth with precedent air discharges. A record of lightning series shows three strokes along different paths to ground, with a pause of only 0.037 s before the second stroke, and two other strokes are probable. Photographs of a multiple lightning flash represent three bright strokes and two faint components, which follow the two subsequent bright strokes after similar time intervals of 0.005 s and are associated with some discharges in an upper region of the thundercloud. The records seem to indicate a local preponderance of single lightning flashes and a frequent occurrence of total times above 1 s. Theoretical interpretations take account of the charge distributions and of the potentials along the discharge channels. Abrupt strokes of air discharges are explained as resulting from the junction of previously formed channels. A sequence of air discharges and of lightning strokes to earth is interpreted in relation with the changes in the potentials of the channel system. These changes also explain the choice of new paths to earth for subsequent strokes of a lightning series. Similar theoretical elements are used to throw some light on the problem of long total times. *Subject Heading: 1. Lightning photography.—Authors' abstract.*

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1/1

OR

SZPOR, S

"Calculation of the diameter of lightning rods with consideration of skin effect."
p.321 (Archiwum Elektrotechniki Vol 7, No. 2, 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol, 8, No. 1, Jan 59.

SZFOR, 3.

Lightning and lightning arresters in the last works of the International Conference on Large **Electric** Systems and others. p. 50.

PRZEGLĄD ELEKTROTECHNICZNY. (Stowarzyszenie Elektryków Polskich) Warszawa, Poland. Vol. 35, no. 2, Feb. 1959.

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

Uncl.

SZFOR. S.

Lightning protection for power stations and pulse measurement in the latest proceedings of IKTSE. p. 114.

PRZEGLĄD ELEKTROTECHNICZNY. (Stowarzyszenie Elektryków Polskich)
Warszawa, Poland. Vol. 35, no. 3, Mar. 1959

Monthly list of East European Accession (EEAL) LC, Vol. 8, No. 7, July 1959

Uncl.

SZPOR, S.

A light type of rural lightning arrester. p. 211.

PRZEGLAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektrykow Polskich) Warszawa,
Poland, Vol. 35, no. 5, May 1959.

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

Uncl.

SZPOR, Stanislaw; KOTLOWSKI, Jan; ZABOROWSKI, Bohdan

Studies on lightning and air discharge by means of a rotating camera. Pt. 2. Acta techn gedanensia no.2:9-34 '63.

SZUCH, Stanislaw

The lightning channel as low pass filter. Acta techn gedanensia
no. 2:143-147 1963.

A case of a lightning stroke on a stone ornament close to and
underneath an elevation rod. Ibid.:155-59

The lightning stroke as dangerous to man. Ibid.:143-151

SZPOR, Stanislaw; SUCHOCKI, Jerzy; KOTLOWSKI, Jan

Recording of lightning currents on high structures in the north of
Poland. Acta techn gedanensia no.2:43-54 '63.

SZPOR, Stanislaw; BYTKOWSKI, Edmund; SUCHOCKI, Jerzy

Investigations of lightning currents in light type lightning arresters.
Acta techn Gedanensia no.2:61-88 '63.

SZPOR, Stanislaw; EYKOWSKI, Edmund

Studies on light type lightning arresters. Acta techn Gedanensia
no.2:111-134 '63.

SZPOR, Stanislaw; WASILENKO, Eugeniusz; SAMULA, Jan; DYTKOWSKI, Edmund;
SUCHOCKI, Jerzy; ZABOROWSKI, Bohdan.

Results of lightning recording in Poland. Przegl elektrotech
40 no.3:117-121 Mr'64

1. Zaklad Wysokich Napiec, Politechnika, Gdansk.

SZPOR, Stanislaw; DYTKOWSKI, Edmund; DASZEWSKI, Zdzislaw

Studies on the durability of light type lightning arresters. Acta
techn gedanensia no.2:135-142 '63.

SZPOREK-DYBKOWSKA, WANDA

Distr: 4E2c(m)/

✓ Sodium hexametaphosphate as a corrosion inhibitor. Stanislaw Molladki and Wanda Szporek-Dybkowska (Inst. Chem. Nicorg. Gliwice, Poland). *Gaz. Wad. i Tecz. Sowi.* 33, 436-7 (1959). — A 1-mm. steel sheet (C 0.04, P 0.015, and S 0.045%) 0.15-0.75-mm. sand-blasted, MeOH-defatted, 10% NH₃ citrate-treated (10 min., 50-70°), and water- and MeOH-washed, was heated 160 hrs. in 0.5 l. of (a) distd. water (pH 6.1) at 67 or 100°, or (b) tap water (pH 7.3, Cl⁻ 31, SO₄⁻ 35, O dissolved 10-12, free CO₂ 19, dry residue 650 mg./l., total and carbonate hardness 232 and 126 mg. CaO/l.) at 40, 67, or 100° without and with (NaPO₃)₆ (I) used in concn. of 4-8 mg. P₂O₅/l. In (a) am. at 100° in b, I was ineffective; whereas at 40 and 67° in (b), it reduced the corrosion rate from 5.73 to 0.054 and from 6.45 to 0.050 g./sq. m./day, resp. Consumption of I, mg./l. (b), at 40, 67, and 100° was 144-62, 218-62, and 256-308, resp.

A. Szafrański

5
1-13c(50)

BAYER, Jenő; SZPORNÝ, László

3-Isoreserpine, the transformation product of reserpine. Magyar
kém folyoir 65 no.1:24-27 Ja '59.

1. Kobányai Gyógyszerárnyag Analitikai és Biológiai Laboratóriuma,
Budapest.

SZPORNÝ, L.

Hyaluronidase-like spreading promoting effects of subcutaneously administered trypsin. Acta physiol. hung. 11(Suppl):102-103 1957.

1. Pharmakologische Abteilung der chemischen Fabrik Gedeon Richter, Budapest.

(TRYPSIN, eff.

hyaluronidase-like spreading eff. of subcutaneous trypsin rats (Ger))

(HYALURONIDASE

hyaluronidase-like spreading eff. of subcutaneous trypsin in rats (Ger))

(OSMOSIS AND PERMEABILITY

spreading of particulate matter, promoting hyaluronidase-like eff. of subcutaneous trypsin in rats (Ger))

SZPORNY, L.
PFEIFER, A.K.; SZPORNY, L.; PATAKY, I.

Further studies on the cholinergic receptors of the rat peritoneum.
Acta physiol. hung. 13 no.1:73-78 1957.

1. Institute of Pharmacology, Medical University, Budapest.
(PARAGANGLIA
cholinergic receptor system of rat peritoneum, afferent
pathways)
(PERITONEUM, innerv.
same)

SZPORNY, Iaszlo

A new method for the determination of hyaluronidase in vivo. Kiserletes
orvostud 9 no.5-6:465-468 Oct-Dec 58.

1. Kobanyai Gyogyszerugyar, Farmakologiai Laboratorium.

(HYALURONIDASE, determ.

trypan blue-spreading test for in vivo determ. in rats (Hun))

COUNTRY : Hungary R-17
CITIZENSHIP :
ABST. JOURN. : RZKhim., No. 22 1959, No. 79-79
AUTHOR : Bayer, J. and Szporny, L.
INST. : not given
TITLE : β -iso-'reszerpin,' a Product of the Reaction of
'Reszerpin'
ORIG. REF. : Magyar Kem Folyoirat, 65, No 1, 24-27 (1959)
ABSTRACT : Using a paper-chromatography procedure de-
scribed in one of their earlier papers (RZKhim.,
1954, No 4, 1269), the authors have shown that
'Reszerpin' (I) decomposes when stored or when
exposed to the action of light or heat. The
decomposition products β -iso-'reszerpin' (II) and
 β -dehydro-'reszerpin' (III) have been identified
and isolated in pure form. A solution of 500 mg
technical I in 10 ml (CH₃CO)₂O is refluxed for
2 hrs in the presence of a small amount of p-

ORIG: 1/4

211

COUNTRY : Hungary H-17
CATEGORY :
ABS. JOUR. : RZKhim., No. 22 1959, No. 79479
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : aqueous acetone; the perchlorate of II is obtained, decomp temp 252-253°, $[\alpha]_D^{25} -14.1 \pm 2^\circ$ (acetone-water, 4 : 1), yield 94%. A solution of 100 mg of the perchlorate of II in aqueous acetone is treated with a solution of 15 mg NaHCO_3 in 10 ml water, extracted with 3 5-ml portions of CHCl_3 , and the extract is evaporated to dryness to give II (base), decomp temp 153-155° (from alc), $[\alpha]_D^{25} -16.2 \pm 2^\circ$ (c = 1%; CHCl_3), yield 87%; the hydrochloride derivative

CARD: 3/4

212

SZPORNÝ, László; EZER, Elemér

Study on the absorption of electrolytes from inflamed connective tissues with the aid of radioactive isotopes. Kiserletes orvostud. 13 no.3:269-273 Je '61.

(INFLAMMATION exper) (ELECTROLYTES metab)

FEKETE, G.; SZPORNÝ, L.

Pharmacological analysis of synthetic and natural glucocorticoids,
with comparative evaluation of the test methods. Acta physiol.
hung. 19 no.1-4:57-66 '61.

1. Chemical works G. Richter Ltd., Budapest.
(ADRENAL CORTEX HORMONES pharmacol.)

EZER, E.; SZPORNÝ, L.

Inhibition of hyaluronidase effects by serotonin. Acta Physiol. Acad.
Sci. Hung. 20 no.2:171-176 '61.

1. Pharmacological Laboratory of the Gedeon Richter Chemical Works Ltd.,
Budapest.

(HYALURONIDASE pharmacol) (SEROTONIN pharmacol)

MOLNAR, J.; SZPORN, L.

The effects of vincamin on smooth muscle. Acta physiol. 21 no.2:169-175 '62.

1. Pharmacological Laboratory, Gedeon Richter Chemical Works, Budapest.
(ALKALOIDS pharmacology) (MUSCLES pharmacology)

SZPORNÝ, L.; MESZAROS, Cs.

Evolution of mineralotropic effect when substituting progesterone with 21-N-piperidyl. Acta physiol. acad. sci. hung. 21 no.4:359-362 '62.

1. Pharmacological Laboratory, Chemical Works Gedeon Richter, Budapest.
(PROGESTERONE) (DESOXYCORTICOSTERONE) (SODIUM)
(POTASSIUM)

L 43019-66 RO
ACC NR: AT6031829

SOURCE CODE: HU/2505/65/026/003/0263/0267

23
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AUTHOR: Gorog, Peter--Gereg, P.; Szporny, Laszlo--Sporni, L.

ORG: Pharmacological Laboratory, Richter Gedeon Chemical Works, Budapest (Kobanyai Gyogyszerarugyar, Farmakologiai Laboratorium)

TITLE: Effect of compounds which inhibit carbohydrate metabolism on dextran anaphylactoid inflammation

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, no. 3, 1965, 263-267

TOPIC TAGS: biologic metabolism, carbohydrate, polysaccharide, maleic acid, fumaric acid, fluoride, arsenate, poison effect, hormone

ABSTRACT: The effect of certain compounds known to block glucose metabolism on dextran anaphylactoid inflammation has been investigated. Malonic acid, maleic acid, arsenate and fluoride inhibited the development of dextran edema greatly when administered in non-toxic doses. The inhibitory effect of malonic acid could be suspended with fumaric acid and succinic acid. These metabolic poisons block intensively the edema-enhancing action of insulin. The potential role played by the inhibition of glucose metabolism, in the antiphlogistic effect, is discussed. Orig. art. has: 3 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 09Aug63 / OTH REF: 011

Card 1/1 MLP

0919 0579

Pharmacology and Toxicology

HUNGARY

EZER, Elemer, SZPORNY, Laszlo; Pharmaceutical Factory of Kobanya, Pharmacological Laboratory (Kobanyai Gyogyszerarugyar Farmakologiai Laboratorium), Budapest.

"Resorption, Excretion and Distribution of Vincamin C¹⁴ in the Organism."

Budapest, Kiserletes Orvostudomány, Vol XIX, No 1, Jan 67, pages 67-70.

Abstract: [Authors' Hungarian summary] The resorption, excretion, distribution of C¹⁴-labelled Vincamin in the organism and its binding to the blood proteins have been studied. The compound is resorbed extremely rapidly from the gastrointestinal tract of rats, and it appears in the organs in large amounts and in an unchanged form within a short time. Its distribution is nearly uniform throughout the organism. Its excretion through the urine is extensive and Vincamin itself as well as its decomposition products of unknown structure are excreted. 4 Eastern European, 8 Western references. [Manuscript received 25 Feb 66.]

SZPRYNGER, Stanislaw, mgr inz.

Design problems concerning structures made of 18G2A steel.
Inz i bud 21 no.11:378-383 N '64.

1. "Biprohut, " Gliwice.

SZPUNAR, J.

The effect of electrocoagulation of the malignant tumors of nasal sinuses on the orbital contents and the eyeball. Bull. internat. Acad. polon. sc. Classe med. no.1-10:93-97 Jan-Dec 50. (CML 20:8)

SZPUNAR, J.

Terminology of broncho-pulmonary segments. Polski tygod lek. 5
no.39-40:1--1396-1399 2 Oct 50. (CML 20:5)

1. Of the Laryngological Clinic (Head--Prof.J.Mlodonski) of Jagiellonski University.

SZPUNAR, J.

Masking effect of antibiotics in intracranial complications of aural origin. Przegł. lek. Krakow 9 no.2:61-63 1953. (CML 24:5)

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

SZPUNAR, Jerzy

Role of atelectasis in pulmonary diseases. Polski tygod. lek. 9
no.40:1304-1306; contd. 4 Oct 54.

1. Z Kliniki Laryngologicznej A.M. w Krakowie, kierownik: prof. dr
J. Miodonski.

(ATELECTASIS, complications,
pneumonia)

(PNEUMONIA, etiology and pathogenesis,
atelectasis)

SZPUNAR, Jerzy (Krakow, ul. Kopernika 23a, Klinika Lryngologiczna A.M.)

Role of atelectasis in pulmonary diseases. Polski tygod. lek. 9
no.41:1333-1335; concl. 11 Oct 54.

(ATELECTASIS, complications,)

SZPUNAR, Jerzy

Bronchoscopy in pediatrics. Przegl. lek. Krakow 10 no.12a:429-433 Dec 54.

1. Z Kliniki laryngologicznej A.M. w Krakowie - kierownik prof.
dr. J.Miodonski
(BRONCHOSCOPY
in pediatrics)

SZPUNAR, Jerzy

The displacement of fluids into the middle ear cleft checked at mastoid operation. Bull.Soc.amis sc.Poznan, ser C. no.5:83-85 1955.

1. Otolaryngological Clinic of the Medical Academy in Cracow.
(EAR, MIDDLE, physiology,
permeability of stained fluids into in mastoid surg.)
(MASTOID, surgery,
permeability of stained fluids into middle ear in)

SZPUNAR, Jerzy

Displacement of fluids into the space of the middle ear
according to observation during aural surgery. Otolar.
polska 9 no.4:319-320 1955.

(EAR, MIDDLE, physiology,

permeability to stains, perop.observations (Pol))

(STAINS AND STAINING,

middle ear permeability to stains, perop.observations
(Pol))

RUDNIK, Jan; RYBAKOWA, Maria; SZPUNAR, Jerzy

Bronchoscopy in cases of atelectasis in tuberculosis in children. Gruzlica 23 no.11:775-787 Nov. '55.

1. Z Dziecięcego Ośrodka Sanatoryjno-Prewentoryjnego w Rabce. Dyrektor: dr M. Milewski. Z Kliniki Dziecięcej A.M. w Krakowie-Kierownik prof. dr. Wl.Bujak. Z Kliniki Laryngologicznej A.M. w Krakowie-Kierownik: prof. dr J. Miodonski. Krakow, ul. Krowoderska 24.

(TUBERCULOSIS, PULMONARY, in infant and child,
with atelectasis, bronchoscopy in)

(ATELECTASIS, in infant and child,
in tuberc., bronchoscopy in)

(BRONCHOSCOPY, in various diseases,
atelectasis in tuberc. in child)

SZPUNAR, Jerzy

Hearing following radical surgery. Otolar. polska 10 no.3-4:
279-282 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Krakowie Kierownik:
prof. dr. J. Miodonski, Krakow, Kopernika 23.

(MASTOID, surgery
postop. hearing tests (Pol))
(HEARING TESTS,
after mastoidectomy (Pol))

SZPUNAR, Jerzy

Considerations of a laryngologist on diphtheria. *Pediat.*
polska 31 no.2:177-183 Feb 56.

1. Z Kliniki Laryngologicznej A. M. w Krakowie. Kierownik; prof.
dr. med. J. Miodonski. Krakow, Kopernika 23a, Klinika Laryngologiczna
A.M.

(DIPHTHERIA,
diag. & ther. (Pol))

SZPUNAR, Jerzy

Acute laryngo-tracheo-bronchitis in infants and young children.
Pediat. Polska 31 no.9:1039-1051 Sept 56.

1. Z Kliniki Laryngologicznej A.M. w Krakowie, Kierownik: prof.
dr. med. J. Miodonski, Adres: Krakow, ul. Krowoderska 24.

(CROUPS

laryngotracheobronchitis in inf. & young child. (Pol))

BIELANSKA, Aleksandra; LASKOWNICKA, Zofia; SITARSKA, Barbara; SZPUNAR, Jerzy

Otitis media after oral BCG vaccination. Otolar. polska 11 no.3:
253-262 1957.

1. Z Kliniki Laryngologicznej A. M. w Krakowie. Kierownik: prof.
J. Miodonski i z Zakladu Mikrobiologii A. M. w Krakowie. Kierownik:
prof. Z. Przykiewicz.

(OTITIS MEDIA, etiol. & pathogen.
after BCG vacc. (Pol))

(BCG VACCINATION, compl.
otitis media (Pol))

EXCERPTA MEDICA Sec 16 Vol. 6/1 Cancer Jan 58

SZPUNAR J
170. *Treatment of papillomatosis of the larynx in children* SZPUNAR J. *Laryngol. Clin., Med. Acad., Cracow Acta otolaryng. (Stockh.)* 1957, 47/4 (369-374) Tables 1

The author has treated papillomatosis of the larynx in children by repeated removal of the growths followed by intralaryngeal, submucous injections of an oily oestrogen preparation into the base of the removed growth. He believes that oestrogens have a direct restraining influence on the papillomatous process in its phase of proliferation. Of 80 cases of papillomatosis in children observed during 1946-56 sixty-eight were treated by this method. Definite results, after 4 or more years, are very good. After 2000 intralaryngeal injections of oestrogen hardly any reaction of the larynx was noted. In the author's experience, this method of treatment is very effective - especially in early cases - and quite safe.

RUDNIKOWA, Irena, RUDNIK, Jan, RYBAKOWA, Maria, SZPUNAR, Jerzy

Localization and evolution of tuberculous lesions in tracheobronchial
lymph nodes. Gruzlica 26 no.6:453-460 Jun 58

1. Z Kliniki Pediatricznej A.M. w Krakowie Kierownik: prof. dr
T. Giza Z Kliniki Laryngologicznej A.M. Kierownik; prof. dr J. Miodonski
i z Dziecięcego Ośrodka Sanatoryjno-Prewentoryjnego w Rabce Kierownik:
dr J. Rudnik. Adres: Rabka, Dziecięcy Ośrodek Sanatoryjno-Prewentoryjny.
(TUBERCULOSIS, LYMPH NODES, in inf. & child.
tracheobronchial, localization & evolution (Pol))

RUDNIK, Irena; SZPUNAR, Jerzy

Comparison of tomographic & bronchoscopic findings in bronchial lesions of lymph node origin in children. Gruzlica 26 no.7:571-578 July 58.

1. Z Dziecięcego Ośrodka Sanatoryjno-Prewentoryjnego w Rabce Dyrektor:
dr J. Rudnik. Adres: Dziecięcy Ośrodek Sanatoryjno-Prewentoryjny w Rabce.

(TUBERCULOSIS, LYMPH NODE, in inf. & child
tracheobronchial nodes, bronchoscopy & tomography of
bronchial lesions (Pol))

(BRONCHI, in various dis.

tuberc. of tracheobronchial lymph nodes in child., broncho-
scopy & tomography (Pol))

SZPUNAR, Jerzy

Tracheo-bronchial hemorrhage. Polski tygod. lek. 14 no.43:1917-1921
26 Oct 59

1. (Z Kliniki Otolaryngologicznej A. M. w Krakowie; kierownik: prof.
dr Jan Miodonski).
(TRACHEA, dis.) (BRONCHI, dis.) (HEMORRHAGE)

SZPUNAR, Jerzy

Neoplasms of the pterygopalatine fossa. Otolaryngologia 14 no.1:
153-158 '60.

1. Z Kliniki Laryngologicznej A.M. w Krakowie, Kierownik:
prof. dr med. J. Miodonski.
(SPHENOID BONE neopl.)
(MAXILLA neopl.)

SZPUNAR, Jerzy; SEKULA, Jan

Remote results of tympanoplastic operations. Otolaryngologia polska 15 no.3:
333-340 '61.

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

(OTOSCLEROSIS surg)

CZAPNICKA-STERECKA, Maria; SZPUNAR, Jerzy; WILCZYNSKA, Janina

Value of stratigraphy in the evaluation of the operability of malignant tumors of the paranasal sinuses. Otolaryng. pol. 16 no.3:499-511 '62.

1. Z Kliniki Laryngologicznej AM w Warszawie Kierownik: prof. dr.
J. Miodonski Z Kliniki Radiologicznej AM w Krakowie Kierownik: prof.
dr S. Januszkiewicz.

(PARANASAL SINUS NEOPLASMS)

(TOMOGRAPHY)

RUDNIK, Jan; SZPUNAR, Jerzy

Effect of corticotherapy on lymphogenic bronchial changes in primary tuberculosis in children. Gruzlica 30 no.3:217-224 '62.

1. Z Dziecięcego Ośrodka Sanatoryjno-Prewentoryjnego w Rabce

Dyrektor: dr med. J. Rudnik.

(TUBERCULOSIS PULMONARY in inf & child)

(ADRENAL CORTEX HORMONES toxicol)
(BRONCHI dis)

(ATELECTASIS etiol)
(LYMPH NODES dis)

SZPUNAR, Jerzy

Role of allergy in paranasal sinusitis in children. Oto-
laryng. pol. 17 no. 4:442-444 '63.

*

REZULTATY, Jazvy; WYKONANIE, Janina

Final results of the treatment of malignant ethmo-maxillary
tumors. Otolaryng. Pol. 12 no.3:371-376 1964

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Krakowie
(Kierownik: prof. dr. med. J. Nicolski [deceased]).

SZPUNAR, Jerzy

Injuries of the frontal sinua in cranial trauma. Pol. tyg.
lek. 18 no.40:1483-1484 30 IS. 163.

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their treatment in tuberculosis in children. Gruzlica 33 no.8:
735-743 Ag ' 65.

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gorn 5 no.2:157-164 '60.

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Deflection of a beam resting on a Prager rheologic foundation.
Rospr inz PAN 10 no.2:211-229 '62.

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Deflection of the supporting beam as a rheologic process.
Przeł. naukowo-tech AGH no.4:19-23 '61.

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Krakow.

L 13259-63

EWT(d)/FCC(w)/BDS AFFTC IJP(C)

S/044/63/000/003/012/047

AUTHOR: Szpunar, K.

(P)

52

TITLE: On the differential equation 16

$$\frac{d^2x}{dt^2} + a \left(\frac{dx}{dt}\right)^2 + bx = 0.$$

PERIODICAL: Referativnyy zhurnal, Matematika, No. 3, 1963, 43, Abstract
3B193 (Zesz. Nauk. Akad. Gorn.-Hutn., no. 25, 1959, 155-166
(in Polish, summary in English).

TEXT: The author examines the equation

$$\ddot{x} + a\dot{x} + bx = 0; \quad a > 0, \quad b > 0, \quad (1)$$

which is used in vibration theory and which describes motion under the action of an elastic force and forces proportional to the square of the velocity but directed independently of the direction of the velocity vector. If the initial

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On the differential equation

displacement x_0 and the initial velocity \dot{x}_0 satisfy the conditions

$$2a \dot{x}_0^2 + 2abx_0 - b < 0, \quad |x_0| + |\dot{x}_0| \neq 0,$$

then equation (1) has an oscillatory and a periodic solution with a period inversely proportional to \sqrt{b} . The motion is between the two end positions x_1 and x_2 connected by the relation

$$2ax_1 + \ln(1 - 2ax_1) = 2ax_2 + \ln(1 - 2ax_2).$$

Consequently, the amplitude of the displacement x_2 is a function of only x_1 and a and is not a function of b ; that is, it does not depend on the elastic force.

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S/044/63/000/003/012/047⁰

On the differential equation

If, however, $2a^2x_0^2 + 2abx_0 - b \geq 0$, then, as shown in the article, $\lim_{t \rightarrow \infty} x(t) = -\infty$. Author's summary.

[Abstracter's note: Complete translation.]

Card 3/3

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Action of *Herba herniariae* on the nonstriated muscle of the small intestine and diuresis. *Inst przem ziel Biul* 9 no. 3: 121-135 S '63.

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Kryszyna
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Feb. '55.

1. Z Panstwowego Instytutu Naukowego Leczniczych Surowcow
Roslinnych w Poznaniu. Dyrektor: doc.dr B. Borkowski. Z Zakladu
Farmakologii A.M. w Poznaniu Kierownik: prof. dr J. Dadlez.

(VALERIAN, preparation of
eff. of condensation of alcohol & maceration time
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Conversion of pigeon units to cat units in standardization of
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(DIGITALIS,
purpurea, standard., conversion of pigeon units to
cat units)

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prof. dr. J. Dadlez i . Szklad Farmakologii, Instytut Przemyslu
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Kierownik: Dr. F. Kaczmarek i Zakład Farmakologii, Instytut Przemysłu
Zielarskiego, Poznań Kierownik: Dr. T. Wrocinski.

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Kiernownik: dr P.Zurawski, i Zakład Farmakologii, Instytut Przemysłu Zielarskiego, Poznań. Kierownik: dr. T.Wrocinski.

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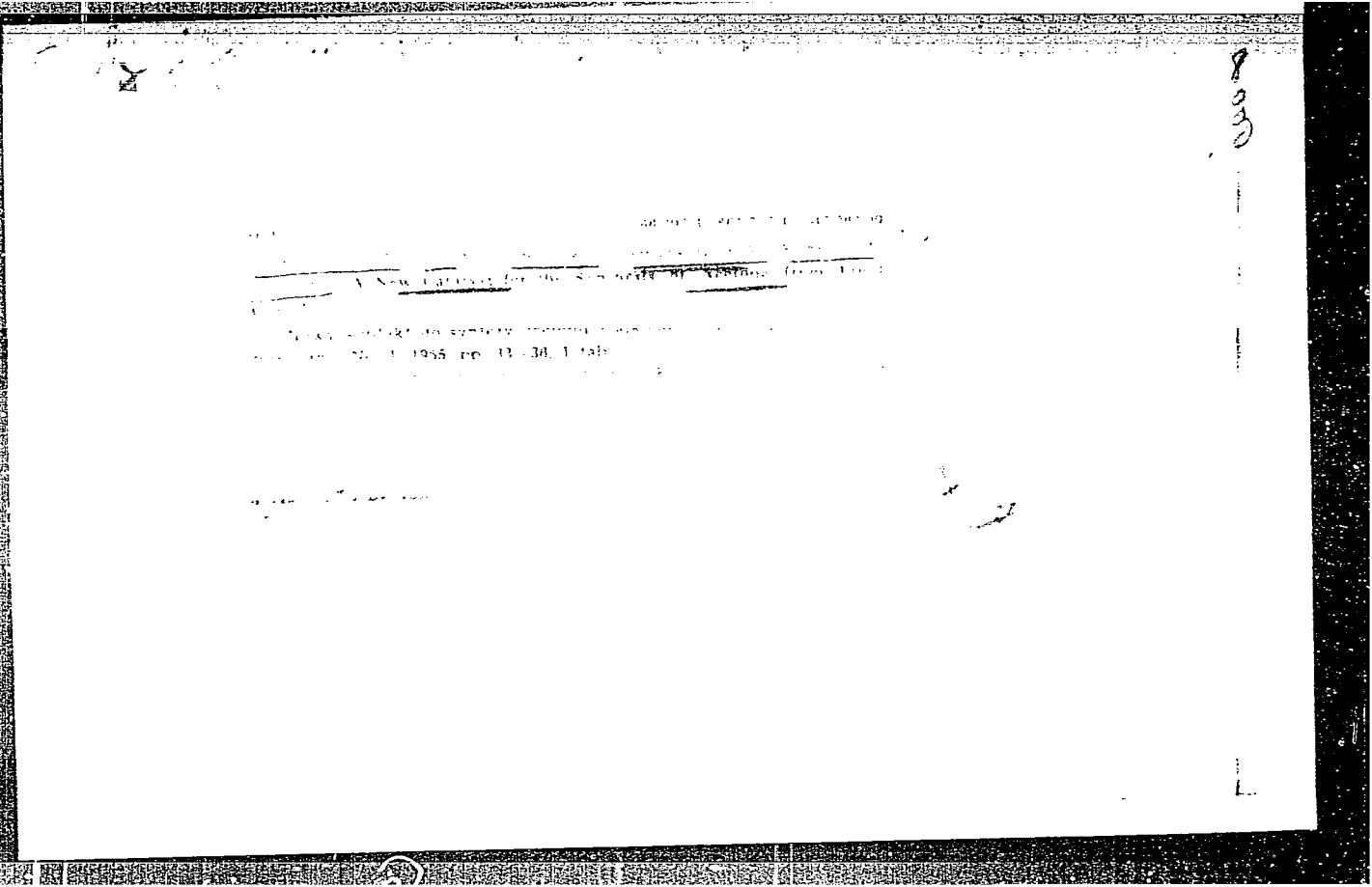
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skin dis. in rubber indust.)
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occup., in rubber indust.)

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(CARBON TETRACHLORIDE, poisoning,
exper.)

(POISONING, experimental,
carbon tetrachloride)

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(HEAT, effects,
on funct. of organism, relation to indust. cond.)

SZRENER, WLADYSLAW

SZREDER, Wladyslaw (Gdansk, Zaklad Patologii Ogolnej A.M.)

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(NEOPLASMS, etiology and pathogenesis,
chem. aspects, review (Pol))