

LUCHTER, Anna

17  
3  
/ Petroleum prospecting by microbiology. Anna Luchter (High School Economics, Krakow, Poland). *Petroleum* (London) 21, 282-5, 290(1958); cf. *Zeszyty Nauk Akad. Górniczo-Hutniczej* No. 9, *Geol.* No. 1, 45-50(1958).—The presence of petroleum deposits was inferred from the growth of bacterial cultures (I) prepd. from soil samples taken from

shallow holes in the area explored. I were grown in an air-propane atm. as the sole C source. Development of a relatively large no. of cultures from a given soil sample was shown to indicate the presence of petroleum. Problems connected with this test are: (1) 20-30-day period required for test and (2) development of a detn. of the activity or amt. of hydrocarbon-consuming bacteria. W. I. Barnes

LUCHTEROWA, A.

6

Journal Inst. of Petroleum  
Vol. 39  
Aug. 1953  
Geology

1517. Geomicrobiology in petroleum industry. A. Luchterowa. Bull. (Polish) Inst. Petrol. (Supplement to Nafta (Krakow), 1952, 8), 1952, 2, 7-8. — Geomicrobiology is being employed to solve the questions of origin of petroleum, its separation from sedimentary rocks, and petroleum prospecting. The various breeds of bacteria are briefly described: their appearance in known oil-bearing areas points to a new way of prospecting. The metabolism of various kinds of these bacteria enables some to reduce sulphates, some to consume paraffins, others to oxidize aromatics; paraffins with 10 to 16 C atoms are easiest to attack. The presence of gaseous paraffins in subsoil over petroleum reservoirs is affected by them. In the Soviet Union some 18,000 samples, half from known areas, are being correlated with the known subterranean structure.

5-11-58

2900

550.7 : 622.02

Lichterowa A. Microbiological Method of Oil Reservoir Exploration.  
"Poszukiwanie złóż ropy naftowej przy pomocy metody mikrobiologicznej". Nafta, No. 3, 1953, pp. 217-220, 1 tab.

Research carried out in the U.S.S.R. has revealed that the microbiological method of oil reservoir exploration is likely to yield good results. The author specifies the principles adopted by the Petroleum

Institute in Poland in making use of this method, and quotes the results of laboratory tests carried out over the method of drawing samples of oil for test purposes, over bacteria cultures and isolation of bacterial strains. Tests over bacteria cultures were made in the presence of such liquid hydrocarbons as mineral oil, paraffin, petrol and paraffin oil, as well as in the presence of gaseous hydrocarbons (methane or propane-air mixtures).

W. M. K. O. A.

POL . .

884. An attempt at application of bacterial strains as indicators of oil-bearing quality of the given area. A. Luchterowna. Bull. Polish Inst. Petrol., 1954, 4, 3. (Suppl. to Nafte (Krukow), 1954, 10.)—Some micro-organisms found in the soil convert gaseous hydrocarbons into carbon. 120 mixed cultures were tested at depth of 3 metres on perforated plates, 24 of these thrived. These 24 were then tested in the lab with C<sub>2</sub>-C<sub>4</sub> mixture at 4%, 0.4%, and 0.04% concn. 3 mixtures were transplanted twice, and each time their incubation period shortened. M. S.

*Jan*

**"APPROVED FOR RELEASE: 04/03/2001**

**CIA-RDP86-00513R001030720001-7**

**APPROVED FOR RELEASE: 04/03/2001**

**CIA-RDP86-00513R001030720001-7"**

LUCHEKOWA, ANNA.

Experiments on the utilization of microorganisms for the purification of cresol refinery effluents. Anna Luchterowa. *Biol. Inst. Naft.* 5, 7-8, Pub. in *Nafta (Poland)* 11, No. 8 (1955).—A discussion on research carried out on the utilization of microorganisms for purifying cresol refinery effluents. Expts. resulted in the isolation of 17 groups of microorganisms with phenol as the source of C, and 7 groups with cresol as the source of C. Tests were also performed with the application of lab.-sprayed slag filters. S. A. S.

*good* 1

LUCHTEROWA, A.; MARKIEL, E.

Effect of natural gas on the development of methane bacteria.  
Acta microb. polon 5 no.1-2:141-145 1956.

1. Z Pracowni Mikrobiologii Nafty Instytutu Naftowego w Krakowie.  
(METHANOBACTERIUM, effect of drugs on,  
natural gas)  
(GASES, effects,  
natural gas on Methanobacterium)

LUCHTEROWA A.

Attempting to use microorganisms for purifying cresol sewage from refineries.  
Bieuslyn. p. 7.

Vol. 11, no. 8, August 1956

NAFTA  
Krakow

SOURCE: Monthly List of East European Accessions (EEAL), IC, Vol. 5, no. 2  
Feb. 1956



LUCHTEROWA, ANNA

POLAND/Chemical Technology - Chemical Products and Their Application - Water Treatment. Sewage Water. H-5

Abs Jour : Ref Zhur - Khiniya, No 3, 1958, 8501

Author : Luchterowa Anna

Inst : Petroleum Institute

Title : Biochemical Method of Purification of Cresol Sewage Water of Petroleum Processing Plants.

Orig Pub : Nafta (Polska), 1957, 13, No 3, Biul. Inst. naftowego, 1.

Abstract : Description of the results of experiments with 2 biofilters. 1-st, diameter 0.3 m, height 1.8 m, size of slag particles 4 cm. The cresol concentration in sewage water discharged to the biofilter, 50-400 mg/liter, pH 7.4. Rate of sewage water flow 8.5 liters/hour. The biofilm was formed after 1 month. On purification of the sewage water the concentration of cresol was lowered by 96-99%.

Card 1/2

POLAND/Chemical Technology - Chemical Products and Their Application. Water Treatment. Sewage Water. H-5

Abs Jour : Ref Zhur - Khiniya, No 3, 1958, 8501

2-nd biofilter, diameter 0.6 m, height 4 m, size of coke particles about 8 cm. Concentration of cresol around 100-1000 mg/liter, pH 6.8. Rate of sewage water flow 170 liters per hour. Decrease in cresol concentration, without recirculation, 50-80%; with recirculation about 100%. Low temperature decreases the effectiveness.

Card 2/2

LUCETEROWA, Anna; DUTKIEWICZOWA, Elzbieta; CZAPIKOWNA, Anna

Investigations on microorganisms in trickling filters. Acta microbiol.  
pol. 10 no.4:417-422 '61.

1. From the Nature Conservation Institute, Polish Academy of Sciences,  
Krakow, and Department of Microbiology, High School of Economics,  
Krakow.

(SEWAGE microbiol)

LUCHTEROWA, Anna, prof.,dr.

Bacterial association of the Wielka Puszcza stream. Acta  
hydrobiol 4 no.1:21-28 '62.

1. Zakład Ochrony Przyrody, Polska Akademia Nauk, Krakow, ul.  
Arianska 1, lub Zakład Mikrobiologii, Wyższa Szkoła Ekonomiczna,  
Krakow, ul. Sienkiewicza 5.

L 21193-65

ACCESSION NR: AP5001331

S/0102/64/000/006/0055/0059

AUTHOR: Luchuk, A. M. (Kiev)

TITLE: Transmission of emergency signals in supervisory-control systems

SOURCE: Avtomatyka, no. 6, 1964, 55-59

TOPIC TAGS: supervisory control, emergency signaling

ABSTRACT: The term "emergency signals" refers to the spontaneous change of state of a controlled plant or to a deviation of the controlled parameters from normal. The problem is considered of making the information capacity of a supervisory-control system larger when the system is called on to handle emergency signals; various methods of the transmission of emergency signals are discussed and evaluated. A method of emergency-signal transmission is described in which a fast distributor installed at the plant searches for the source of the signals and encodes them. Such a transistorized distributor is described in

Card 1/2

L 21193-65

ACCESSION NR: AP5001331

detail, and a block diagram of the emergency signaling system is supplied. <sup>0</sup>  
Orig. art. has: 2 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 11Jul63

ENCL: 00

SUB CODE: 1E, EC

NO REF SOV: 001

OTHER: 000

Card 2/2

L 22248-66 EWA(h)/EWT(1) GG

ACC NR: AP6005852

SOURCE CODE: UR/0102/65/000/004/0060/0064

AUTHOR: Luchuk, A.M. (Kiev)

ORG: None

45  
B

TITLE: The operation of a switching phase-sensitive circuit with a capacitance load in the selection circuits

SOURCE: Avtomatyka, no. 4, 1965, 60-64

TOPIC TAGS: switching circuit, telemetry, circuit theory

ABSTRACT: The article examines the possibility of employing a switching phase-sensitive circuit for the separation of frequency signals of telemechanics. A description is given of various modes of operation of this circuit and analytic expressions are presented for the output voltage of the circuit under these modes of operation. It is shown that the phase-sensitive circuit under certain conditions has frequency characteristics which coincide with the resonance curves of an LC single circuit. An analysis is presented of the operation of the circuit with its input under the action of the voltage of a signal the frequency of which is a multiple of the frequency of the controlling voltage. Orig. art. has: 4 figures and 7 formulas.  
Card 1/2

2

L 22248-66

ACC NR: AP6005852

SUB CODE: 09 / SUBM DATE: 24Jun64 / ORIG REF: 002

0

Card 2/2    **not**





LUCHUK, A. M.: Master Tech Sci (diss) -- "The frequency arrangements of remote control with synchronous filter-generators for agricultural power systems and an investigation of its operation". Kiev, 1957. 13 pp (Ukr Acad Agric Sci), 120 copies (KL, No 5, 1959, 150)

L. 18439-66 EWT(d)/EWP(1) IJP(o) BB/00

ACC NR: AP6006389

SOURCE CODE: UR/0413/66/000/002/0119/0119

INVENTOR: Luchuk, A. M.

ORG: none

47  
B

TITLE: A method for converting the amplitude of an alternating sinusoidal voltage into digital code. Class 42, No. 178180 [announced by Institute of Cybernetics AN UkrSSR (Institut kibernetiki AN UkrSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 119

TOPIC TAGS: analog digital converter, phase meter, coding

ABSTRACT: This Author's Certificate introduces a method for converting the amplitude of an alternating sinusoidal voltage into digital code. To simplify the conversion and improve the accuracy, the voltage to be converted is added to an alternating sinusoidal reference voltage which is shifted by an angle of very nearly 90°. A digital phase meter is then used for converting the phase difference between the resultant voltage and the reference voltage to digital code.

SUB CODE: 09/ SUBM DATE: 10Jul64

Card 1/1 inc

UDC: 681.142.07

2

Luchuk, A.M.

AUTHORS Inosov, V.L. Doctor of Technical Sciences, Professor, 105-9-5/32  
Luchuk, A.M., Engineer

TITLE A Frequency Supervisory Control Device with Synchronous Filters.  
(Chastotnoye ustroystvo teleupravleniya s sinkhronnymi fil'trami-  
-Russian)

PERIODICAL Elektrichestvo, 1957, Nr 9, pp 23 - 27 (U.S.S.R.)

ABSTRACT A remote-control device with a frequency code was worked out at the Faculty for Electrification of the Ukrainian Agricultural Academy. It is of low capacity and can be used for the control of objects spread over a large area. It consists of single-type blocks which in themselves are combined to an audio-frequency generator of low power and a narrow-band filter which, however, is not based on resonance phenomena but on the synchronism of the signal frequency and on that of the local generator. This filter is described in detail by the authors in A, 1956, Nr 10. The new plant was installed in the agricultural energy system Korsun' - Shevchenko in July 1956 and has been working without disturbances until now. After this Luchuk A.M., developed a synchronous filter with crystal triodes. The description of a filter generator with crystal triodes is given and the problem of the possible capacity of installations with such a filter is investigated. The principle of this filter is as follows: the executing relay of the filter reacts only if the frequency of the arriving signal coincides with that of the local generator. As, however, such a coincidence is

Card 1/2

105-9-5/32

A Frequency Supervisory Control Device with Synchronous Filters.

little probable, the phenomenon of taking account of the local-generator frequency by the frequency of the arriving signal in those cases where their difference is small, is utilized. Therefore the zone of response is determined by the zone of capturing. The apparatuses described here can easily be produced according to the newest process for the production of radio apparatuses. There are 2 figures and 4 Slavic references.

ASSOCIATION Ukrainian Agricultural Academy.  
(Ukrainskaya sel'skokhozyaystvennaya akademiya).  
SUBMITTED April, 28, 1957.  
AVAILABLE Library of Congress.  
Card 2/2



"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001030720001-7

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001030720001-7"

LUCIAK, Mieczyslaw; SZCZUREK, Zbigniew

Epithelioma calcificans seu mummificans Malherbi. Przegł.  
derm., Warsz. 6 no.2:111-116 Mar-Apr 56.

1. Z Zakładu Anatomii Patologicznej Śląskiej A.M. w Zabru  
Kierownik: prof. dr. W. Niepolomski, Zabrze, Zakład Anatomii  
Patologicznej Śląskiej, Akademii Medycznej, 3 Maja 13/15.

(SKIN, neoplasms,  
epithelioma, Malherb's (Pol))

(CYSTS,  
epithelioma, Malherb's, of skin (Pol))

JARZEBSKA, Krystyna; LUCIAK, Mieczyslaw; SZCZUREK, Zbigniew

Changes in palatine tonsils in rheumatism. Otolaryngol. polska  
10 no.3-4:403-406 1956.

1. Z Kliniki Laryngologicznej Śląskiej A.M. Kierownik: prof.  
dr. T. Ceypek. Z Zakładu Anatomii Patologicznej Śląskiej A.M.  
Kierownik: doc. dr. W. Niepolomski, Zabrze, Curie-Skłodowska 10.  
(RHEUMATISM, pathology,  
tonsils (Pol))  
(TONSILS, pathology,  
in rheum. (Pol))



HERMELINOWA-LAZICKA, Anna; LUCIAK, Mieczyslaw

A peculiar reaction of the connective tissue during the course of septicemia in a small child. *Pediat. polska* 35 no.7:805-810 JI '60.

1. Z Kliniki Pediatricznej Śląskiej A.M. w Zabrze Kierownik: prof. dr med. A.Chwalibogowski i z Zakładu Anatomii Patologicznej Śląskiej A.M. w Zabrze Kierownik: prof. dr med. W.Niepolomski.  
(SEPTICEMIA pathol)  
(CONNECTIVE TISSUE pathol)

BOBER, Antoni; LUCIAK, Mieczyslaw; WOJCIECHOWSKA, Helena

Injuries of the central nervous system in newborn infants. Gin. polska  
32 no.4:411-417 '61.

1. Z Oddziału Noworodków i Wczesniaków I Kliniki Położnictwa i Chorob  
Kobięcych Śląskiej AM w Zabrze Kierownik: prof. dr W. Starzewski  
Z Zakładu Anatomii Patologicznej Śląskiej AM w Zabrze Kierownik:  
prof. dr W. Niepolomski  
(CENTRAL NERVOUS SYSTEM dis)  
(INFANT NEWBORN dis)

SZKODNY, Adam; LUCIAK, Mieczyslaw

A case of co-existing hypoplastic kidney, rudimentary ureter and vesico-ureteral reflux. Polski przegl. chir. 33 no.11a:1473-1476 '61.

1. Z Oddziału Chirurgicznego Wojewodzkiego Szpitala MSM w Katowicach oraz z Zakładu Anatomii Patologicznej Slaskiej AM w Zabrze Kierownik: prof. dr W.Niepolomski.

(KIDNEYS abnorm)

(URETERS abnorm)

FOREMNY, Zbigniew; ROGOZ, Jerzy; LUCIAK, Mieczyslaw; DAMBSKA, Jozefa

Carcinoid syndrome. Pol. arch. med. wewnet. 34 no.11:1471-1476  
'64.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej  
w Katowicach (Kierownik: prof. dr. med. J. Japa) i Zakładu  
Anatomii Patologicznej Śląskiej Akademii Medycznej w Zabrze  
(Kierownik: prof. dr. med. W. Niepolomski).

LUCIAK, Mieczyslaw; KOWALSKI, Włodzimierz:

Cancer of the prostate in biopsy material of the Institute of  
Pathological Anatomy in Zabrze. Pol. przegl. chir. 36 no.1:  
61-64 Ja'64

1. Z Zakładu Anatomii Patologicznej Sl. AM w Zabrze; kierow-  
nik: prof.dr. W.Niepolomski.

\*

KOWALSKA- GOLAB, Halina; LUCIAK, Mieczyslaw

Endometriosis of the small intestine. Pol. przegl. chir. 36  
no.10:1221-1223 0 '64

I. Z I Kliniki Poloznictwa i Chorob Kobietych Slaskiej Akademii  
Medycznej w Zabrze (Kierownik: prof. dr. M. Glowinski) i z  
Zakladu Anatomii Patologicznej Slaskiej Akademii Medycznej w  
Zabrze (Kierownik: prof. dr. W. Niepolomski).

SOBOTKOWSKA, Krystyna; LUCIAK, Mieczyslaw

Mixed tumors treated at the Surgical Clinic of Stomatology  
of the Silesian Academy of Medicine in Zabrze. Czas. stomat.  
18 no.8/9:1125-1130 Ag-S '65.

1. Z Kliniki Chirurgii Stomatologicznej Slaskiej AM w Zabrze  
(Kierownik: prof. dr. M. Jankowski) i z Zakladu Anatomii Pato-  
logicznej Slaskiej AM w Zabrze (Kierownik: prof. dr. W. Niepo-  
lowski).

BARANSKA-GACHOWSKA, Maria; LUCIAK, Mieczyslaw; SHULIK, Jozefa

The influence of estrogens and progesterone on the mucous membrane of the oral cavity in albino rats. Czas. stomat. 18 no.11:1285-1291 N ' 65.

1. Z Zakładu Stomatologii Zachowawczej Śląskiej AM w Zabrze (Kierownik: doc. dr. W. Zaleski) i z Zakładu Anatomii Patologicznej Śląskiej AM w Zabrze (Kierownik: prof. dr. W. Niepolomski).



SOSNIERZ, Marian; LUCIAK, Mieczyslaw

Mixed mesenchymal renal neoplasm. Pol. tyg. lek. 20 no.33:1250-1251.  
16 Ag '65.

1. Z Zakladu Anatomii Patologicznej Slaskiej AM w Zabrze (Kierownik:  
prof. dr. W. Niepolomski).

L 35399-66 I JK

ACC NR: AP6026859

SOURCE CODE: RU/0023/66/011/002/0163/0172

AUTHOR: Calomfirescu, Al.--Kalomfiroscu, A. (Doctor); Lucian, K.--Luchian, K. (Doctor);  
Mihai, Ilie--Mikhay, I. (Medical assistant)

25  
B

ORG: State Health Inspectorate, Bucharest (Inspectoratul sanitar de stat)

TITLE: Postvaccinal reactions in children vaccinated with DTP trivaccine

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 11, no. 2, 1966, 163-172

TOPIC TAGS: epidemiology, encephalitis, vaccine, virus disease, immunity

ABSTRACT: In a study to determine the severity and frequency of postvaccinal reactions to the use of DTP trivaccine, the authors found that only one of the 239 cases of encephalitis, meningoencephalitis and meningitis with clear fluid which occurred in children born in 1960 through 1964 in Bucharest showed a possibility of a causal connection with the vaccination; this gives a probability of post-vaccination encephalitis of 1:200,000. Vaccination reactions (slight to medium) appear within 12 to 24 or at most 48 hours and disappear without treatment. Orig. art. has: 3 tables.

[Based on authors' Eng. abst.] [JPRS: 36,834]

SUB CODE: 06 / SUBM DATE: 17Apr65 / ORIG REF: 009 / SOV REF: 010

OTH REF: 018

Card 1/1

*llh*

UDC: 616.9-085.371-06

LUCIAN, M., dr.; WOLSKI, Vl., dr.; CALOMFIRESCU, Al., dr.

Epidemiological study of the effectiveness of the B. pertussis component in the tri-vaccine prepared by the Institutul "Dr. I. Cantacuzino". Microbiologia (Bucur) 8 no.4:371-375 J1-Ag '63.

1. Lucrare efectuata in Sectia antiepidemica a Inspectiei de Stat pentru igiena si protectia muncii din Capitala.

(DIPHTHERIA TOXOID) (PERTUSSIS VACCINE)

(TETANUS TOXOID) (VACCINATION)

(IMMUNIZATION SCHEDULE)

SIMIONESCU, Olga, dr.; LUCIAN, Otilia, dr.; CHELBER, Adriana, dr.

The treatment of - ichocephaliasis with Telmid. Microbiologia  
(Bucur.) 9 no.3:267-271 My-Je '64

1. Lucrare efectuata in Sect a de parazitologie a Spitalului  
"23 August", Catedra de parazitologie, Institutul medico-  
farmaceutic, si Sectia de helmintologie a Institutului de  
microbiologie, parazitologie si epidemiologie Dr.I.Cantacuzino",  
Bucuresti.

LUCIAN, Otilia, dr.; SIMIONESCU, Olga, dr.; POMPAN, L., dr.; BOIAN,  
Alexandra, dr.; BRINZEI, A., dr.; JUVARA, A.N.; PESCARU, Ecaterina

Study of the effectiveness of different methods of treatment in  
lambliasis. *Pediatria (Bucur.)* 14 no.3:265-271 My-Je '65.

1. Lucrare efectuata in Institutul "dr. I. Cantacuzino", Sectia  
parazitologie, Institutul medico-farmaceutic, Bucuresti; Catedra  
de parazitologie si Spitalul de copii "23 August", Sectia de  
parazitologie.

LUCIAN, Radu, ing.

Insulin has been synthesized. St si Teh Buc 17 no.1:14-  
15 Ja '65.

GHEORGHIESCU, Constantin, ing.; LUCIAN, Vlad, ing.

Modern equipment and technology in footwear industry. Industria usoara  
8 no.9:340-351 S '61.

(Shoe industry)

STAJKOVIĆ, Aleksandar; LUCIĆ, Aleksandar

Thromboelastography and its clinical value. Med. pregl. 18  
no. 5:203-208 ' 65.

1. Zavod za patolosku fiziologiju Medicinskog fakulteta u  
Novom Sadu (V.d. upravnika: Prof. dr. Stanoje Stefanovic)  
i Klinika za interne bolesti Klinicke bolnice u Novom Sadu  
(Nacelnik: Prof. dr. Dimitrije Stanulovic).



STAJKOVAC, Aleksandar; LUCIC, Aleksandar

Nephrotoxic, cardiac, nutritional and edematous liver cirrhosis.  
Etiology and pathogenesis. Med. pregl. 18 no.5:213-215 ' 65.

1. Zavod za patolosku fiziologiju Medicinskog fakulteta u Novom  
Sadu (V.d. upravnika: Prof. dr. Stanoje Stefanovic).

RADUJKOV, Zora; BOROTA, Radoslav; LUCIC, Aleksandar

Seasonal appearance of acute leukemia. Med. pregl. 18 no.1:19-22  
'65.

1. Klinicki laboratorijum Klinicke bolnice u Novom Sadu (Nacelnik: Doc. dr. Zora Radujkov).

ZARKOVIC, G., prof. dr.; LUCIC, D., dr.

Characteristics and evaluation of public health aspects of existing sources of ionizing radiations in Bosnia and Hercegovina. Med. arh. 18 no.5:17-21 S-0'64.

1. Institut za higijenu i socijalnu medicinu Medicinskog fakulteta u Sarajevu (Sef: Prof. dr. G. Zarkovic).

SIROLA, Josip, ing.; IENAC, Nada, ing.; LUCIJANIC, Stjepan:

Grading of Yugoslav petroleums on the basis of a laboratory  
analytical destilation. Nafta Jug 12 no.9:223-228 S '61.

1. Rafinerija nafte, Sisak

CZECHOSLOVAKIA

LUCINA, K. J.; BELOSTOCKAJA, E. M.

Central Institute of Pre-Medicine of the Ministry of Health  
of the USSR (Ustredni ustav pro doskolovani lekaru,  
Ministerstvo zdravotnictvi SSSR), Moscow (for both)

Prague, Ceskoslovenska Hygiena, No 5, 1964, pp 307-308

"Research in Child and Adolescent Hygiene in the USSR."

LUCINS, O.

We are for the deep cow stables.

P. 6 (PADOMJU LATIJAS KOLCHOZNIKES) Riga, Latvia Vol. 9, No. 7, July 1957.

SO: Monthly Index of East European Accessions (AMEI) Vol. 6, No. 11 November 1957.

45764

S/194/62/000/012/067/101  
D295/D308

9.4/20

AUTHOR: Luciński, Jerzy

TITLE: Current load of an antiparallel thyatron circuit

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1962, 23-24, abstract 12-5-46 f (Zesz. nauk. politekhn. Łódzk., no. 41, 1962, 59-65 (Pol.; summaries in Eng. and Rus.))

TEXT: The circuit considered is used as the heater-current regulating stage of a temperature stabilization equipment. A relationship is derived for the ratio of the effective value of load current to the mean current of the thyatron as a function of the firing angle

$$I_{av} = 2^{1/2} \pi [A(\theta_f)/\pi]^{1/2} / (1 + \cos \theta_f)$$

x

where  $\theta_f$  is the firing angle, and

Card 1/2

Current load of an ...

S/194/62/000/012/067/101  
D295/D308

$$A(\theta_f) = \pi - \theta_f + (1/2) \sin 2 \theta_f \quad ]$$

as well as a relationship for the ratio of maximum load current to the mean current

$$I_{\max}/I_{\text{av}} = 2\pi/(1 + \cos \theta_f) \quad \text{for } 0 \leq \theta_f \leq \pi/2$$

$$I_{\max}/I_{\text{av}} = 2\pi \sin \theta_f/(1 + \cos \theta_f) \quad \text{for } \pi/2 \leq \theta_f \leq \pi$$

The ratio  $I/I_{\text{av}}$  increases with increasing  $\theta_f$ . On the basis of the above relations, the largest  $\theta_f$  is chosen for given values of  $I_{\max}$  and  $I_{\text{av}}$ . [Abstracter's note: Complete translation.]

Card 2/2



L1230

S/194/62/000/007/092/160  
D295/D308

9,4120

AUTHOR: Luciński, Jerzy

TITLE: Energy analysis of the operation of an antiparallel-connected thyatron circuit with a resistive load

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-5-66 1 (Zesz. nauk. Politechn. Łódzk., no. 34, 1961, 3 - 10 [Pol.; summaries in Rus. and Ger.])

TEXT: The article contains a mathematical analysis of an antiparallel rectifier circuit. The circuit, which is intended for a smooth variation of the current, voltage or power of single-phase alternating current, can be used as an auxiliary continuous-action stage in illumination-control equipment, as well as for manual and automatic temperature control in electrical heating equipment etc. It consists of two thyratrons triggered successively with equal firing angles. Since the cathodes of the two triodes are not found at the same potential, while the control of the thyratrons must be carried out synchronously, one cannot use for a smooth control, methods ba-  
Card 1/2

Energy analysis of the operation !..

S/194/62/000/007/092/160  
D295/D308

sed on smoothly varying d.c. component of grid voltage. In the case given, the control is carried out by means of a sinusoidal or pulsed voltage applied to the grid and by simultaneously varying the phase of the grid voltages of the two thyratrons. The power consumption, losses and efficiency are calculated as functions of the firing angle. 2 references. (Politechnika [Łódzka] Katedra Elektroniki Przemysłowej, Poland). [Abstracter's note: Complete translation.]

Card 2/2

P/021/60/000/008/001/002  
A105/A026

AUTHOR: Luciński, Jerzy, Master of Engineering

TITLE: Semiconductor Thyratrons<sup>25</sup>

PERIODICAL: Przegląd Elektrotechniczny, 1960, No. 8, pp. 317 - 321

TEXT: Multilayer semiconductor thyratrons are described and 3 US types are shown in Figures 1a, 1b and 1c. The price reduction of the C 35 B silicon rectifier produced by General Electric is shown in Figure 2. The basic principle of P-N-P-N semiconductor devices is explained and functional symbols used by some US producers are shown in Figure 3. Voltage characteristics for small and heavy currents are shown in Figures 4 and 5 and data on ZI-39A rectifiers with different cooling characteristics in Figure 6. Switch-type semiconductor thyratrons are explained and schematic diagrams shown in Figure 7. Their use in parallel and series connection is shown in Figure 8 and a single phase and bridge-type rectifiers in Figures 9 and 10. Wiring diagrams of reversed control steering devices are shown in Figures 11 and 12. Possibilities of development are mentioned and shown in Figures 13 - 16. Data of tubes and magnetic switches are compared with those of similar transistor type devices in Table 1. There are 16 figures, 1 table and 23 references: 19 US, 2 German, 1 French and 1 Polish.



Card 1/2

Semiconductor Thyratrons

P/021/60/500/008/001/002  
A105/A026

ASSOCIATION: Politechnika Łódzka, Katedra Elektroniki Przemysłowej (Lodz Poly-  
technic, Department of Industrial Electronics) ✓

Card 2/2

14

Warsaw, Archiwum Automatyki i Telemechaniki, Vol 4, No 4, 1963.

1. "An Equalizer Using a Relay-Line," Pawel SZULIK and Bogdan KIEPINSKI; pp 371-388 (English summary).
2. "Analysis of Akaby's Converter as a Complex Control System," Stanislaw HUBICKI; pp 389-397 (English summary).
3. "Some Applications of Resonance Systems of Complement-ary Type with the Directional Elements," J. BRONIA-SKI; pp 399-408 (English summary).
4. "Digital Signal Parameters in Telemechanics," Jan YBLICKI; pp 409-421 (English summary).
5. "On a Certain Method of Analysis of Relay-Contact Networks," Adam MICHOWSKI; pp 423-434 (English summary).
6. "Some Characteristics of a Pulse Controlled DC Motor," Jacek GUTERBACH; pp 435-442 (English summary).
7. "An Analysis of Follow-up System Operating with DC Motor Controlled by Pulse Duration Modulation," Jacek GUTERBACH; pp 443-462 (English summary).
8. "On Properties of the Thyatron Inverse-Parallel Circuit with Inductive Load," Jacek LUCINSKI; pp 463-471 (English summary).
9. "Load Characteristics of Iron Harmonic Magnetic Amplifiers," Jan KULLIGOSKI and Kazimierz MALLON-SKI; pp 473-492 (English summary).
10. "A Study of Control Properties of Counter-Current Heat Exchanger with One Medium Variable Flow," Stanislaw WYTRZALSKI; pp 493-510 (English summary).
11. "Self-compensating stability of Radiated Steam Generator with Inward Water Circulation," Wlodzislaw KUCHENSKI; pp 511-532 (English summary).
12. "Transient Temperature Distribution of the Parallel Flow Heat Exchanger," Wieslaw CIECHLOVICZ; pp 533-540 (English summary).

LUCINSKI J.

32209

P/031/61/006/004/008/010

D271/D301

16,4000 (1031,1132,1329)

AUTHOR: Luciński, Jerzy

TITLE: Properties of the thyration inverse-parallel control circuit with inductive load

PERIODICAL: Archiwum automatyki i telemechaniki, v. 6, no. 4, 1961, 463-471

TEXT: A thyration inverse-parallel control circuit used for current or power control in single-phase systems, its control characteristics, efficiency and power factor are analyzed. The basic circuit, load current waveforms and equivalent circuits of the system are shown in Fig. 1; the thyratrons which work alternately are controlled by independent circuits, U.St.1 and 2, with identical firing angles  $\theta_z$ ; in the equivalent circuits the thyratrons are replaced by switches closed in accordance with the firing angle. The instantaneous value of the load current is expressed by

Card 1/7

32209

P/031/61/006/004/008/010  
D271/D301

Properties of the...

$$i = \pm \frac{\sqrt{2} U_z}{\sqrt{R^2 + (\omega L)^2}} \left[ \sin(\omega t - \varphi) - \sin(\Theta_z - \varphi) e^{-\frac{R}{\omega L}(\omega t - \Theta_z)} \right] \quad (1)$$

which is valid for  $\Theta_z < \omega t < \Theta_g$ , where  $\Theta_g$  is the extinction angle determined by the boundary condition

$$(i) \omega t = \Theta_g = 0 .$$

The minimum possible value of the firing angle is equal to the phase angle between applied voltage and load current; at this critical value, the system is driven fully, and the conduction angle is  $180^\circ$ . The range of control is  $\varphi \leq \Theta_z \leq 180^\circ$ . The RMS value of the load current is

Card 2/7

Properties of the...

32209  
P/031/61/006/004/008/010  
D271/D301

$$I = \frac{U_z}{Z} \sqrt{\frac{A(\theta_z, \varphi)}{\pi}},$$

where  $A(\theta_z, \varphi)$  becomes

$$A(\theta_z) = \pi - \theta_z + \frac{1}{2} \sin 2\theta_z \tag{4}$$

for resistive loads, and

$$A(\theta_z) = \theta_g - \theta_z + \frac{1}{2} \sin 2\theta_g + \frac{3}{2} \sin 2\theta_z - 4 \sin \theta_g \cos \theta_z + 2(\theta_g - \theta_z) \cos^2 \theta_z \tag{5}$$

Card 3/7



32209

P/031/61/006/004/008/010  
D271/D301

Properties of the...

for inductive loads. The RMS load current normalized in terms of the full drive current is

$$\frac{I}{(I)_{\theta_z = \varphi}} = \sqrt{\frac{A(\theta_z, \varphi)}{\pi}} \quad (6)$$

4

Measured and computed characteristics  $I = f(\tan \varphi, \theta_z)$  are shown for  $\tan \varphi = 0$ ;  $\tan \varphi = 1$ ;  $\tan \varphi = 2$ ;  $\tan \varphi = \infty$ ; and  $\theta_z$  varying between 0 and  $180^\circ$ . Efficiency of the system is

$$\eta = \frac{P}{P_s} = \frac{1}{\Delta U_a \cdot 2(\cos \theta_z - \cos \theta_g)} \quad (11)$$

$$1 + \frac{1}{\sqrt{2} U_z \cdot A(\theta_z, \varphi) \cdot \cos^2 \varphi}$$

Card 4/7

32209

P/031/61/006/004/008/010  
D271/D301

Properties of the...

where  $\Delta U_a$  is voltage drop in the thyatron. Efficiency characteristics are shown as a function of the firing angle, for three values of  $\varphi$ , and include a characteristic of the system making use of semi-conductor thyatrons. The power factor of the system is

$$K_p \approx \cos \varphi \sqrt{\frac{A(\theta_z, \varphi)}{\pi}} \quad (13)$$

In the case of full drive, the power factor is virtually equal to that of the load; it falls rapidly as the firing angle increases. Characteristics of load current and power are steeper for inductive than for resistive loads; in practice, the lower limit of control is  $\theta_z = 135^\circ$ . When the system is controlled by short pulses, load current is interrupted when the firing angle has been lowered just below the critical value; with an

Card 5/7

32209

P/031/61/006/004/008/010  
D271/D301

Properties of the...

inductive load, it is sometimes expedient to use longer pulses, e.g., square pulses or sine waves, with polarizing d.c. components. There are 7 figures and 7 Soviet-bloc references.

ASSOCIATION: Politechnika Łódzka. Katedra elektroniki przemysłowej  
(Łódź Polytechnic, Department of Industrial Electronics)

SUBMITTED: February 2, 1961

Fig. 1. A thyatron inverse-parallel control circuit with an inductive load: (a) circuit, (b) load current waveforms, (c) equivalent circuits.

Card 6/7

LUCINSKI, Jerzy

Power analysis of the work of the antiparallel thyatron circuit with nonreactive load. Elektryka Lodz no.8:3-10 '61.

1. Katedra Elektroniki Przemysłowej, Politechnika, Lodz.

LUCINSKI, J.

Single-phase thyatron controlled rectifier inductively loaded  
with smoothing rectifier shunting the load. Archiw elektrotech  
11 no.2:341-357 '62.

1. Katedra Elektroniki Przemyslowej, Politechnika, Lodz.

LUCINSKI, Jerzy

A certain case of impulse control. Archiw automat  
8 no. 3: 347-356 '63.

1. Katedra Elektroniki Przemyslowej, Politechnika, Lodz.

LUCINSKI, Jerzy, mgr inż.

Transistor firing circuits for the control of semiconductive thyratrons. Pomiary 9 no.1:19-23 Ja '63.

1. Katedra Elektroniki Przemyslowej, Politechnika, Lodz.

BOLESŁAW, Narbutt; LUCJA, Kopec

Adrenal function test with intravenous drip of ACTH. Polski tygod.  
lek. 10 no.14:424-429 4 Apr 55.

1. Z Zakładu Patologii Ogólnej i Doswiadczałnej Śląskiej Akademii  
Medycznej im. L. Waryńskiego; kierownik: prof. dr Kazimierz Dux i  
z Oddziału Endokrynologicznego i Kliniki Chorob Wewnętrznych Śląskiej  
Akademii Medycznej im L. Waryńskiego, kierownik: prof. dr Jozef Japa.

(ADRENAL GLAND, function test,

ACTH, intravenous drip)

(ACTH,

in adrenal gland funct. test)



LUCJANE ~~R~~ A.

POLAND / General and Specialized Zoology. Insects. P  
Insect and Mite Pests.

Abs Jour : Ref Zhur -- Biol., No 10, 1958, No 44891

Authors : Szczypinski, J.; Lucjanek, A.

Inst : Not given

Title : Study of the Effect of 10% Azotox and 5%  
Gesarol Shering Insecticides on the Bean Weevil  
(Bruchidius obtectus).

Orig Pub : Roczn. nauk. rolniczych, 1956, A73, No. 2,  
325-326

Abstract : None given.

Card 1/1

60

POLAND/General and Specialized Zoology - Insects. Harmful Insects and Acarids. Chemical Means in the Control of Harmful Insects and Acarids. P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25406  
Author : Szczypinski, W., Lucjanek, A.  
Inst : -  
Title : Toxicological Evaluation of Foreign-Made BCH Preparations.  
Orig Pub : Roczn. nauk rolniczych, 1957, A75, No 2, 273-275  
Abstract : The toxicity of verindale (V) (contains 1.64% of Y-BCH) and of "inse" (contains 2.4% and 1.54% of Y-BCH) was studied on various supply pests in comparison with ecatox (a parathion preparation). Most effective was V, followed by 2.4% inse and then by 1.5% inse. The difference in the death rate of insects of various species is so small that it may be neglected. The high insecticidal property of V permits its use as a standard in investigating domestic BCH preparations.

Card 1/1

LUCJANEK, Wieslaw (Warszawa)

Aerodynamic forces acting on a harmonically oscillating profile  
in the case of circulation discontinuity in the vortex trail.  
Archiw bud masz 9 no.2:275-294 '62.

ACCESSION NR: AP4038926

P/0032/64/011/001/0179/0186

AUTHOR: Luojanek, Wieslaw (Warsaw)

TITLE: Influence of nonuniformity of eddy transport velocity behind a harmonically vibrating airfoil upon the aerodynamic forces acting on the airfoil

SOURCE: Archiwum budowy maszyn, v. 11, no. 1, 1964, 179-186

TOPIC TAGS: aerodynamics, hydrodynamics, aerodynamic force, eddy velocity, vortex trail, airfoil, flutter, aircraft stability, transport velocity

ABSTRACT: The heretofore employed aerodynamic coefficients describing the forces acting on a wing were deduced on the assumption that the eddies flowing from an airfoil create an infinitely long trail along which the circulation and eddy transport velocity amplitudes are constant. This assumption does not hold in practice, however. As the result of viscosity, the vorticity amplitude in the trail diminishes in proportion to the increasing distance from the airfoil, and the presence of the remaining aircraft structural elements such as the fuselage or control surfaces constitutes an additional source of disturbances to the vortex trail. The author considers the problem of the flow-around of a harmonically vibrating airfoil in an inviscid and incompressible flow for the case where the eddy transport velocity

Card 1/2

ACCESSION NR: AP4038926

behind the airfoil is not constant. The problem was solved by a method analogous to the one described by the author in a previous paper (W. Luojanek, "Sily aerodynamiczne na harmonicznie drgajacym profilu w przypadku nieciaglosci cyrkulacji w sciezce wirowej za profilem (Aerodynamic forces acting on harmonically vibrating airfoil for the case of discontinuity of circulation in the vortex trail behind the airfoil), Archiwum Budowy Maszyn, PWN, Warsaw, 1962, II). The influence of a jump-like change in the eddy transport velocity upon the aerodynamic derivatives of the lift in point of a perpendicular shift to the direction of the flow and in point of the shift rate was discussed. The frequency parameter as well as the magnitude of the jump and its distance from the airfoil were taken as the independent variables. Orig. art. has: 4 figures and 17 equations.

ASSOCIATION: none

SUBMITTED: 00Jul63

DATE ACQ: 03Jun64

ENCL: 00

SUB CODE: AC, ME

NO REF SOV: 000

OTHER: 003

Card 2/2

LJGJANEX, Wieslaw, dr. inz.

Effect of inequality of the rotation train on the aerodynamic harmonic forces of the vibrating profile. Przegł mech 24 no.2: 55 25 Ja '65.

1. Department of Mechanics of the Technical University, Warsaw.

LUCKA, MARIA.

Truskawki. (Wyd. 1.) Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1956. 133 p.

(Strawberries. 1st ed.)

DA

Not in DLC

SO: Monthly List of East European Accessions (EEAL) Lc, Vol. 6, No 10, October 1957. Uncl.

LUCHKA, A. Yu. (g. Kiyev)

Approximate solution of Fredholm integral equations by the method  
of averaged functional corrections [with summary in English]. Ukr.  
mat. zhur. 12 no. 1:32-45 '60. (MIRA 13:10)  
(Integral equations)



LUCKA, M.; KROPP, K.

Research on the industrial utility of various kinds of plums for compotes.  
p. 47. (Prace Instytutow i Laboratoriow Badawczych Przemyslu Rolnego i  
Spozywczego, Vol. 7, No. 1, 1957, Warsaw, Poland)

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

PANASEWICZ, Jozef; GRABARCZYK, Maria; LUCKIEWICZ, Barbara

Attempted production of immunological tolerance and modification  
of the course of serological shock with the aid of antimetabolites.  
Acta physiol. Pol. 15 no.6:793-804 N-D '64

1. Z Zakładu Fizjopatologii Instytutu Hematologii w Warszawie  
(kierownik: doc. dr. J. Panasewicz).

LUCKANOV, Stojan [Lutskanov, Stoian], inz.; (Sofia, Bulgaria)  
KOVACEV, R. [Kovachev, R.], inz.

Some properties of easily fusible glasses in the ZnO-  
PbO-B<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> system. Sklar a keramik 13 no. 6:152-154  
Je '63.

LUCKY, Z.

DYK, V.; LUCKY, Z. "Camallanus Lacustria Zoega, 1776, and its Occurrence in Pike Perches of Southern Moravia." p. 89  
(Zoologicke A Entomologicke Listy. Vol. 2, no. 2, June, 1953. Praha).

SO: Monthly List of <sup>East European</sup> Russian Accessions, /Library of Congress, <sup>Vol. 3, No. 6</sup> June 195<sup>4</sup>, Uncl.

LUCKY, Z.

Lucky, Z. Find of the tapeworm Eubothrium crassum (Bloch, 1779) in the intestines of an eel in Trebon Pond. p. 63. CASOPIS; ODDIL PŘIRODOPVEDY. Praha. Vol. 123, no. 1, 1954.

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

LUCKY, Z.; DYK, V.; BARTIK, M.

Fish parasites in the area of the Velky Tis Reserve in the environs of Lamnice nad Luznici. p. 55

Vol. 124, no. 1, 1955  
CASOPIS; ODDIL PRIRODEVEDNY  
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, 1956

LUCKY, Z.

Conditions for the occurrence and growth of fishes in the flood basin of the Dyje River. p. 77

Vol. 124, no. 1, 1955  
CASOPIS; ODDIL PŘIRODEVEDNÝ  
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, 1956

LUCKY, Zdenek  
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: Doctor of Veterinary Medicine

Affiliation: Brno

Source: Prague, Veterinarstvi, Vol XI, No 5, 1961, pages 183-184.

Data: "Veterinary Care in the Hygiene of Fish."

GPO 981643



CZECHOSLOVAKIA

LUCKY, Zdenek, Doc. MVDr, CSc

Brno

Brno, Veterinarstvi, No 11, November 1966, pp 498-499

"Significance of finding and collecting water slugs near hosts."

ORSZAGHOVA, Venceslava, inz.; LUCNY, Mirek, inz.

Experience in training quality inspectors. Prum potravin  
15 no.11:593-594 N '64.

1. Ceskoslovenske cokoladovny National Enterprise, Prague.

IAGNOV, S.; LUCU, R.A.; PAPPO, I.; PALADIAN, J.

Studies of the effect of gymnastic exercise therapy of angiocholecystopathy on the biliary tract. Probl. ter., Bucur. 8:119-127 1957.

(BILIARY TRACT, diseases

angiocholecystopathy, exercise ther., eff. on biliary tract  
funct.)

(EXERCISE THERAPY, in various diseases

angiocholecystopathy, eff. on biliary tract funct.)

LUCZA, J.

Modern mechanization of production. p. 15. (Magyar Mezőgazdaság, Vol. 11, no. 1, Jan. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

IUCZAK, B.

Telecommunication and tachometry in the service of electric-power  
supply. p. 22  
Exhibition of synthetic materials produced in the German Democratic  
Republic, p. 25.  
MUSZAKI ELET. Budapest Vol. 9, No. 12, Dec. 1954

SOURCE: East European Accessions List (EMAL) Library of Congress  
Vol. 5, No. 6, June 1956

INCZAK, P.

Telecommunication and telemetry in the service of supplying electric power. p. 313. (ELEKTROTECHNIKA, Budapest, Hungary), Vol. 47, No. 10, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), I.C, Vol. 4, No1 5, May 1955, Uncl.

S/169/62/000/012/010/095  
D228/D307

AUTHORS: Hermanowicz, W., Dozańska, W., Kelus, J., Kosiński,  
K., Łuczak, J., Marciszewska-Szoplik, M., Obuchowska,  
I., and Sikorowska, C.

TITLE: External radioactivity in the neighborhood of  
Greater Warsaw and Świerk

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1962, 13,  
abstract 12.117 (Gaz. woda i techn. sanit., 35,  
no. 9, 1961, 340-347 (Pol.))

TEXT: The method, equipment and results of investigating  
radioactive soil, ground, river-water, and plant-cover contamination  
on the territory of Greater Warsaw and Świerk are described.

[Abstracter's note: Complete translation]

Card 1/1

GABEJSZEK, I.; JUST, J.; LUCZAK, J.; MALESZEWSKA, J.

Studies on the influence of Sulfapol-50 on the physical and chemical properties of water and on water biocenosis. Gaz woda techn sanit 37 no.2:53-57 F '63.

1. Department of Municipal Hygiene, State Institute of Hygiene, Warsaw.



CABEJSZEK, Irena; LUCZAK, Jerzy; RYBAK, Jan Igor

Studies on the radioactivity of certain communities of water organisms under natural conditions. Gaz woda techn sanit 37 no. 3:88-91 Mr '63.

1. Department of Municipal Hygiene, State Institute of Hygiene, Warsaw.

LUCZAK, J

A few remarks concerning experiences gained in the District Abattoir in Lublin, p. 9.  
(PRZEGLAD JAJCZARSKO DROBIARSKI, Warszawa, Vol. 1, no. 8, Aug. 1953.)

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

LUCZAK, J.; SZYMANSKA, I.

Adaptation of surface waters to traction purposes of the Polish State Railroads.  
p. 426. (PRZEGLAD KOLEJOWY, Vol. 5, No. 11, Nov. 1953, Warszawa, Poland)

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

LUCZAK, J.

Checking up on the boiler of a locomotive. p. 424 PRZEGLAD KOLEJOWY (Wydawnictwa Komunikacyjne) Warszawa. ol. 6, no. 11, Nov. 1954.

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 4, no. 12, December 1955

LUCZAK, J.

LUCZAK, J. Problem of interspecific competition in studies of the experimental branch of ecology. p. 184

Vol. 2, no. 3, 1956  
EKOLOGIA POLSKA, SERIA B.  
SCIENCE  
Warszawa, Poland

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

LUCZAK, J.; STASIAK, M.; CABEJSZEK, I.

Utilization of aquatic organisms for the determination of the degree of chemical contamination of industrial sewage. p. 50.

GAZ, WODA I TECHNIKA SANITARNA. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Sanitarnych, Oczyszczania i Gazownictwa) Warszawa, Poland.  
Vol. 33, no. 2, Feb. 1959.

Monthly list of East European Accessions Index (EEAI), LC, Vol. 8, no. 6,  
June 1959  
uncla.

LUCZAK, J.; WIERZBOWSKA, T.

Analysis of the likelihood of material in relation to the length  
of a series in the sweep method. *Bul Ac Pol biol* 7 no.8:313-318  
'59. (EEAI 9:6)

1. Laboratory of Ecology, Polish Academy of Sciences. Presented by  
K. Petruszewicz.  
(Poland-- Spiders)

WEYCHERT, Stefan; LUCZAK, Jerzy

The electromagnetic field effect upon the crystallization course of electrolytes from water solutions. *Chemia stosow* 5 no.2:195-209 '61.

1. Katedra Technologii Chemicznej Nieorganicznej, Politechnika Warszawska.



WEYCHERT, Stefan; LUCZAK, Jerzy

Influence of the electromagnetic field upon the crystallization process of the electrolyt from aqueous solutions. *Chemia stosow* 5 no.2:195-209 '61.

1. Katedra Technologii Chemicznej Nieorganicznej, Politechnika, Warszawa.

KAJAK, A.; LUCZAK, J.

Clumping tendencies in some species of meadow spiders.  
Bul Ac Pol Biol 9 no.11:471-476 '61.

1. Institute of Ecology, Polish Academy of Sciences. Presented  
by K. Petruszewicz.

+

LUCZAK, Jerzy, dr.

Present state of the sewage management in health service institutions and the protection of surface waters. Gosp wodna 23 no.11:412-413 N°63.

1. Zaklad Higieny Komunalnej, Panstwowy Zaklad Higieny, Warszawa.

BREYMEYER, A.; LUCZAK, J.; PROT, E.

Ecologic Problems at the 7th Congress of the Polish Zoological  
Society. Kosmos biol 12 no.2:216-223 '63.