

PALCZEWSKA, W.

The effect of catalytic poisons on the kinetics of heterogeneous recombination of hydrogen atoms. *Bul Ac Pol chim* 7 no.10:743-750 '59. (KRAI 9:6)

1. Laboratory of Physical Chemistry of Electrode Processes, Institute of Physical Chemistry, Polish Academy of Sciences. Presented by M. Smialowski.

(Hydrogen) (Atoms) (Arsine) (Catalysis)  
(Hydrogen sulfide) (Silver) (Nickel) (Iron)

PAIDI, Andras

Capacity problems of the sugar industry in the second five-year plan. Cukor 13 no.10:269-271 0 '60.

1. Orszagos Tervhivatal.

PALDI, Andras

Impressions on the development of the sugar industry in the  
German Democratic Republic. Cukor 13 no.5:130-133 My '60.

1. Orszagos Tervhivatal.

PALDUS, J

Distr: 4E26(j)/4E34

A study of benzodithiolum by a simple M.O.-L.C.A.O. method. J. Koutocký, J. Palda, and E. Zahradník (Ústav fyzikální chemie CSAV, Prague). *Collection Czechoslov. Chem. Commun.* 25, 817-84(1960).—The benzodithiolum mol. was studied by the M.O.-L.C.A.O. method in the Hückel approx. while using the Longuet-Higgins model for expressing the character of the S bond in this mol. The calcn. of the delocalization energies indicates the possible existence of a dithiolum cation. The great reactivity of the 3 position as compared with the 4 and 5 positions follows from the mol. diagrams and the values of the at. localization energies of the mol. in the form of a cation, free radical, and anion. E. Hudec

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1-BW(BW)  
2-Jef(NB) (orig)  
2

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4E3L  
299 (NA)  
4E2C (j)

Participation of 3d orbitals in the sulfur bond in aromatic compounds. Study of dibenzothiophene by the M.O.-L.C.A.O. method. J. Kocumsky, K. Zahradnik, and J. Paldus (Czechoslov. Acad. Sci., Prague). *J. Chim. Phys.* 69, 469-60 (1972).—Two models of the dibenzothiophene (I) mol. are considered: that of Longuet-Higgins (*C.A.* 43, 6392c), which assumes participation of the 3d orbitals of S in the form of hybridized  $sp^3$  orbitals, and makes the —S— analogous to —CH:CH—, and that of Berthier and Pullman (*C.A.* 45, 4501a) for dibenzocyclopentadiene, which is made applicable here by replacing —CH— by —S—. The calcns. predict approx. the same reactivity for C 2, 3, and 4 in electrophilic substitution for the 1st model, but a smaller reactivity for C 3 compared to C 2 and 4 for the 2nd model. Exptl. data favor the 2nd model, but not conclusively. The 2nd model also predicts a larger value for the bathochromic shift of the electronic transition  $N \rightarrow V_1$  on going from thiophene to benzothiophene to I. H. Newcombe

aj  
vi

9-9

CZECHOSLOVAKIA / Physical Chemistry Electrochemistry. B

Abstr Jour: Ref Zhur-Khimiya, No 11, 1958, 3556.

Author : Paldus Josef, Koutecky Jaroslav.

Inst : Not given

Title : Calculation of Polarographic Kinetic Currents  
at Two Simultaneously Occuring Chemical Reactions,  
Preceding an Electrode Process.

Orig Pub: Chem. Listy, 1957 S1, No 6, 1046-1051

Abstract: The problem of the glucose reduction kinetic  
current has been solved by an accurate method;  
the scheme  $\alpha$ -pyranose  $\xrightarrow{k_1}$  carbonyl form  $\xrightarrow{k_2}$   
 $\beta$ -pyranose is assumed. Whereby the electro-  
chemically active carbonyl form is understood.

Card 1/2

KOUTECKY, J.; PALDUS, J.

Two remarks concerning the properties of the Dewar reactivity number.  
Coll Cz Chem 26 no.10:2660-2663 0 '61.

1. Institute of Physica, Chemistry, Czechoslovak Academy of Science,  
Prague.

S/081/62/000/023/001/120  
B162/B180

AUTHORS: Koutecký, J., Paldus, J.

TITLE: Quantum chemical study of transannular interaction. I.  
Model of (n,n)-paracyclophanes not considering the benzene  
rings distortion

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 6, abstract  
23B15 (Collect Czechosl. Chem. Commun, v. 27, no. 3, 1962,  
599-618 [Eng.; summary in Russ.] )

TEXT: A model is suggested for (n,n)-paracyclophanes, which consists of  
two benzene rings, arranged in parallel planes one above the other so that  
their nuclear skeleton forms a  $D_{6h}$  symmetry group. The calculation of this  
model is carried out by the Parazer and Parr semi-empirical method under the  
following assumptions: Slater orbits with an effective atomic charge of  
1.5 are used as the  $2p_z$ -AO carbon atoms; the spacing between the benzene  
ring atoms is  $1.39 \text{ \AA}$ , the resonance integral  $\beta_{CC}$  between the neighboring  
atoms of the benzene ring is taken as 2.388 eV, that between the atoms of  
Card 1/2



Quantum chemical study of...

S/081/62/000/023/001/120  
B162/B180

different rings lying one above the other is calculated according to  $\beta'/\beta = S_1/S_2$ , where  $S_1$  is the  $2p_z$ -AO covering integral of these atoms, and  $S_2$  the covering integral between  $2p_z$ -AO of neighboring carbon atoms of the benzene ring: the integrals of the Coulomb electron interaction  $k_{ij}^{kl}$  were calculated from  $\gamma_{ij}^{kl} = e^2/(1.328 + r_{ij}^{kl})$ , where  $e$  is the electron charge,  $r_{ij}^{kl}$  the spacing between the  $i$  and  $j$  atoms of  $k$  and  $l$  rings. The distances between the centers of the benzene ring are considered in the range 2.0-5.0 Å. The wave functions are analyzed for symmetry. At large distances,  $\sim 5.0$  Å, the energy of the monoexcited states is found to be approximately the same as that of the corresponding states of a system of two isolated benzene rings. [Abstracter's note: Complete translation.]

Card 2/2

CZECHOSLOVAKIA

PALDUS, J.

Institute of Physical Chemistry, Academy of Science,  
Prague

Prague, Collection of Czechoslovak Chemical Communications,  
No 5, 1963, pp 1110-1115

"Quantum Chemical Study of Transannular Interaction. III.  
Model of (n,n) Paracyclophanes in Augmented Tight-  
Binding Approximation not Considering the Benzene  
Ring Distortion."

PAIDUS, J; KOUTECKÝ, J.

Czechoslovakia

Institute of Physical Chemistry, Czechoslovak  
Academy of Sciences -- Prague - (for all)

Prague, Collection of Czechoslovak Chemical  
Communications, No 9, 1962, pp 2139-2150

"Quantum Chemical Study of Transannular Interaction.  
II. Interaction of Two Double Bonds in the  
Molecules of Germacrol and Bicyclo-[1,2,2]-  
Heptadiene-(2,5) and Interaction of Three Double  
Bonds in the Molecule of Barrelene."

PALDUS J

CZECHOSLOVAKIA

PALDUS, J.

Institute of Physical Chemistry of the Czechoslovak Academy of Sciences, Prague

Prague, Collection of Czechoslovak Chemical Communications,  
No 10, 1963, pp 2667-2684

"Quantum Chemical Study of Transannular Interaction. IV.  
The Effect of Distortion and Mutual Shift of the  
Benzene Rings in Models of (n,n)Paracyclophanes."

EXCERPTA MEDICA / Sec 7 Vol, 12/6 Pediatrics June 58

1509. THE TREATMENT OF INTERSTITIAL PLASMA CELL PNEUMONIA IN PREMATURE INFANTS WITH PENTAVALENT ANTIMONY AND THE AROMATIC DIAMIDINES - Koraszülöttek interstitialis plasmasejtes pneumóniája kezelésének új módja ötvegyértékű stibiummal és aromás diamidinnel - Ivády G. and Páldy L. Orvostud. Egyet. Gyermekklin. Közl - ORV. HETIL, 1957, 98/44 (1201-1204) Illus. 5

Fourteen infants were treated with ethylstibamine (0.05 g. daily i. m.), 4 patients with peniamidine (4 mg./kg. daily i. m.) and 1 patient with stilbamidine (4 mg./kg. daily given by very slow i. v. injection). Three babies treated with ethylstilbasine died, all the remaining survived. Early diagnosis is important.

Lorber - Sheffield (L, 7, 15)

*PALDY, L.*

KORPASSY, B.; TIBOLDI, T.; TOROK, J.; WALTNER, K.; GIOSSZILAGYI, G.;  
PALDY, L.; KOLTAY, M.

Interstitial pneumonia of the premature. Acta med. hung. 5 no.  
3-4:371-402 1954.

1. Institut für Pathologische Anatomie und Histologie der Medizinischen Universität, Szeged (for Korpassy, Tiboldi, Torok)
2. Kinderklinik der Medizinischen Universität, Szeged (for Waltner, Giösszilagyi, Paldy, Torok, Koltay) (Bingegangen am 1. Juli 1953)

(PNEUMONIA, in inf. & child.)

\*interstitial in premature, etiol., clin. aspects & pathol.)

(INFANT PREMATURE, diseases

\*pneumonia, in terstitial, etiol., clin. aspects & pathol.)

HUNGARY

PALDY, Laszlo, Dr; Medical University of Szeged, Radiological Clinic  
(Szegedi Orvostudományi Egyetem, Röntgen Klinika).

"X-Ray Diagnosis of Congenital Dysplasia of the Hip Joint."

Budapest, Orvosi Hetilap, Vol 104, No 45, 10 Nov 63, pages 2118-2120.

Abstract: One of the lectures, delivered at the round table conference on "The Diagnosis of Congenital Dysplasia of the Hip Joint", is reported in the article. The conference, held 9 Feb 1963, was attended by representatives of pediatrics, orthopedics, the National Radiation Biological Institute and radiologists. In the present article it is stated that the necessity of the use of X-ray must be decided by the pediatrician and orthopedic specialist. The various types of dysplasia are described and the X-ray diagnostic techniques are discussed in great detail. The exclusion of X-rays from the diagnostic routine screening tests is welcomed by the author but extreme conservatism in its use during treatment of the existing condition is cautioned against. No references.

1/1

PALDY, László; ORMOS, Jenő.

Congenital tuberculosis. *Gyermekgyógyászat* 6 no.6:182-189 June 55.

1. A Szegedi Orvostudományi Egyetem Gyermekklinikájának (igazgató: dr. Waltner Károly egyetemi tanár) és Kórháztani és Kórszövettani Intézetének (igazgató: dr. Dorpassy Béla egyetemi tanár) közleménye.

(TUBERCULOSIS

congen, fatal)

(INFANT NEWBORN, dis.

tuberc., congen., fatal)



REICHEL, J., prof.; PALEA, R.

Separating components in the synthesis of organic dyestuffs. XVII.  
Absorption spectra of some nonsymmetric and symmetric benzidine dyes.  
Studii chim Timisoara 8 no.1/2:25-39 Ja-Je '61.

1. Comitetul de redactie, Studii si cercetari, stiinte chimice  
[Academia Republicii Populare Romine, Baza de Cercetari Stiintifice  
Timisoara] (for Reichel).

(Dyes and dyeing) (Organic compounds) (Benzidine)  
(Absorption spectra)



PALEA, R.

6

A modification of the primulin fusion and the separation of the melt by alcohol extraction. J. Reichel, R. Pulea, S. Iacobescu, and G. Gruescu. Acad. rep. ~~publ. chim. Roumanie~~ (Timisoara), *Studii cercetari pilot.* 1, No. 1/4, 47-56 (1951) (French summary).--The process is characterized by (a) fusing in  $\text{CaH}_2$  (1) at  $210^\circ$ ; (b) removing I from the preheated mixt. ( $210^\circ$ ) by supersatd. steam at  $250^\circ$ ; (c) sepg. of the reaction products at  $45-60^\circ$  with 95% EtOH. This led to higher yields (1:1 ratio to the primulin base) of dehydrothio-*p*-toluidine. This was stable in supersatd. steam up to  $260^\circ$  while the usual impurities ( $p$ -MeC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> and 4,2-Me(11S)C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>) were removed easily.

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Gary Gerard

BM 224

PALEC, R.

10th anniversary of the Postgraduate Medical School in Prague.  
Cesk.zdrav. ll no.10:425-426 0 '63.

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**PALEC, HUDOLF, MUDr.**

New phase in eradication of tuberculosis. *Česk. zdravot.* 4 no.2:  
66-73 Mar. 1956.

1. Ředitel výzkumného ústavu organizace zdravotnictví v Praze.  
(TUBERCULOSIS, prevention and control,  
in Czech)

PALEC, Rudolf, MUDr.

Role of internal medicine in further development of public health  
in Czechoslovakia. Cesk. zdravot. 4 no.5:233-238 May 56.

1. Reditel Vyzkumneho ustavu organisace zdravotnictvi v Praze.  
(MEDICINE, INTERNAL,  
in Czech. (Cz))

PALEC, Rudolf, MUDr.

Public health in Vietnam Democratic Republic. Cesk. zdravot. 4  
no.10:578-585 Oct 56.

1. Reditel Vyskumneho ustavu organizace zdravotnictvi v Praze.  
(PUBLIC HEALTH,  
in Vietnam (Cz))



PALEC, R., MUDr.; SKRBEKOVA, E., MUDr.

Future of unified hospitals. Cesk. zdravot. 4 no.12:681-685  
Dec 56.

1. Vyzkumny ustav organisace zdravotnictvi v Praze.  
(HOSPITALS,  
unification in Czech. (Cz))

PALEC, R., MUDR.; STICH, ZD., MUDR.; SKRBKOVA, E., MUDR.; VEMOLA, L., MUDR.

United hospitals in Czechoslovakia. Cesk. zdravot. 5 no.1:  
21-28 Jan 57.

(HOSPITALS,  
in Czechoslovakia, united hosp. system (Cs))

PALEC, Rudolf, MUDr.

Important aspects of medical documentation and records. Cesk.  
zdravot. 5 no.6:301-305 June 57.

1. Reditel Vyskumneho ustavu organisace zdravotnictvi v Praze.  
(RECORDS, MEDICAL,  
(Cz))  
(PUBLIC HEALTH, statistics,  
(Cz))

SMAREL, O., Doc. MUDr.; PALEC, R., MUDr.

Model plan for schooling & education of internists, 1st degree  
& model plan for schooling & education of ward physicians. Cesk.  
zdravot. 5 no.8:436-439 Aug 57.

1. Vedouci katedry interniho lekarstvi UDL v Praze. Vedouci katedry  
organisace zdravotnictvi a zdravotnicke osvedy UDL v Praze.

(EDUCATION, MEDICAL,  
in Czech. (Cs))

(MEDICINE, INTERNAL, educ.  
in Czech. (Cs))

PALEC, Rudolf

A specialised view of the district doctor. Cas. lek. cesk.  
96 no.16:493-497 19 Apr 57.

1. Reditel VUOZ, Praha.

(GENERAL PRACTICE

in Czech., specialised view of district doctor (Cs))

PALEK, Rudolf

New phase of unified health services; new forms of administration of health services. Cesk. zdravot. 6 no.1:1-5 1958.

1. Reditel Vyzkumneho ustavu organisace zdravotnictvi v Praze.  
(PUBLIC HEALTH,  
in Czech., unified health serv. (Cz))

*Review, 5-6-58*  
PALEC, Rudolf, MUDr.

~~Review~~ Review of medical developments up to the year 1957. Cesk. zdravot.  
6 no.3:103-110 Apr 58.

1. Reditel Vyskumneho ustavu organizace zdravotnictvi v Praze.  
(MEDICINE,  
in Czech. (Cs))

PALEC, Rudolf, MUDr.

Research Institute for the organization of health services in Prague;  
review of activities during the 5 year period between 1953-1957.  
Cesk. zdravot. 6 no.7:317-328 July 58.

(PUBLIC HEALTH  
in Czech., organiz. (Cz))



PALEC, R.; MARIANYI, J.; SINKUKOVA, L.; STEPAN, J.

Concept of health protection of industrial workers. Cesk. zdravot.  
6 no.9:471-483 Sept 58.

(INDUSTRIAL HYGIENE

health protection of indust. workers, concept (Cz))

STIKSA, J.; DVORAK, B.; PALEC, R.; SOUKUP, V.

Evaluation of working ability. Cesk. zdravot. 6 no.9:540-547 Sept 58.  
(DISABILITY EVALUATION (Cz))

NOSAL, M.; MAKOVICKY, E.; PALEC, R.

Training of health workers for care of industrial workers. Cesk. zdravot.  
6 no.9:548-553 Sept 58.

(INDUSTRIAL HYGIENE, educ.

health serv. staff training (Cz))

PALEC, R. ~~PALETS, R.~~

PALETS, Rudolf [Pelec, R.], doktor

Scientific Research Institute of Public Health Organization in  
Czechoslovakia. Sov.zdrav. 17 no.1:50-56 Ja '58. (MIRA 11:2)

1. Direktor Nauchno-issledovatel'skogo instituta organizatsii  
zdravookhraneniya.

(PUBLIC HEALTH  
in Czech., problems (Rus))

PALEC,R.

Seventieth birthday of Prof. M. I. Barsukov. Cesk. zdravot. 8  
no.1:17-18 P '60.

(BIOGRAPHIES)

PALEK, R., MUDr.

Development of scientific trends in the theory of health organization. Cesk. zdravot. 8 no.5:268-274 My '60.

1. Reditel Vyskumneho ustavu organizace zdravotnictvi.  
(STATE MEDICINE)

PALEC, R.

On the threshold of 3d 5-year plan. Cesk. zdravot. 9 no.1:1-4  
'61.

(PUBLIC HEALTH)

DAUM, S.; za technicke spoluprace: SRBOVE, J., dr.; KROUZKOVE, L., lab.;  
SOUKUPOVE, J., d.s.; Statisticke zpracovani prom. matemat. KUBENKOVA,  
V., VUCZ; reditel PALEC, R., MUDr.

The heart minute volume in emphysema of the heart. Cas. Lek. Cesk. 101  
no.15:449-455 13 Ap '62.

1. Kardiovaskularni a kardiopulmonalni oddeleni pri II int. klinice  
KU v Praze, prednosta prof. dr. Fr. Herles.

(PULMONARY HEART DISEASE physiol)



PALESTINE, MIDDLE EAST.

1. The development of the territory and organization of public life in the West Bank. (Cuba. zprav. list. 5:1217-229. My'65.)

2. Redite - government - uslov - realizace zprav. list. 5:1217-229.

PALEC, R.

50th birthday of MUDr. J. Vemola. Česk. prav. 13 no. 1:  
477-480 S 105.

PALEC, R., MUDr., reditel

Integration of the ambulatory services in polyclinics. Cesk.  
zdrav. 13 no.10:481-489 0 '65.

1. Vyzkumni ustav organizace zdravotnictvi v Praze.

PALEC, Rudolf., MUDr.

Scientific methods in organisation of public health. Cesk. zdravot.  
4 no. 1:1-7 Feb 56.

1. Reditel Vyzkumneho ustavu organisace zdravotnictvi v Praze.  
(PUBLIC HEALTH,  
scientific methods in organis. (Cs))

PALEC, Rudolf (Praha 2, Sokolska 54.)

Principal aspects of organization development of public health before  
1975. Cas. lek. cesk. 97 no.23-24:761-765 6 June 58.

1. Vyzkumny ustav organisace zdravotnictvi v Praze, reditel MUDr.  
Rudolf Palec.

(PUBLIC HEALTH,  
in Czech. (Cz))

MAKOVICKY, Z. MUDr.; MAREK, A., MUDr.; PALMG, R., MUDr.

Principal trends in the development of health services according to  
long-term planning. Cesk. zdravot. 7 no.9:552-570 Oct 59.  
(PUBLIC HEALTH)

PALETS, Rudolf, [Palec, R.], doktor

Regional system of the medical services and public health  
institutions in Czechoslovakia. Zdrav. Ros. Feder. 8 no.3:  
26-29 M'62 (MIRA 27:4)

1. Direktor Instituta organizatsii zdravookhraneniya, Praga.

PALEC, R., MUDr., reditel ustavu

Research Institute for Public Health Organization and its role  
in the development of scientific work in theory, history and  
organization of public health and in the development of scien-  
tific principles of Czechoslovakian public health. Cesk. zdrav.  
ll no.7/8:281-287 '63.

(PUBLIC HEALTH) (RESEARCH)  
(PUBLIC HEALTH ADMINISTRATION)



VYSOHLID, J., PALEC. R.

A lifetime of study. (On postgraduate medical training). Cesk.  
zdrav. 12 no. 3:85-88 Mr'64

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CZECHOSLOVAKIA

KAZDA, Jindrich, MDr, CSc; PALEC, Vojtech, MDr, ins.

1. Brno (for Kazda); 2. Lomnice on the Lipa (for Pavec)

Brno, Veterinarství, No 12, December 1966, pp 296-260

"Mycobacteria in the water as the cause of cattle para-allergy, with respect to mammalian and avian tuberculin."

KRYSPIN, J.; SKALA, J.; PALECEK, D.

Spreading electrophysiological reaction in normal and anesthetized human skin. Cesk.fysiol. 9 no.3:243-244 My '60.

1. Laborator plasticke chirurgie CSAV, Praha.  
(SKIN physiol)  
(ANESTHESIA)

PALEGER, E.

Qualitative detection of substances on filter paper. I. Falcun, D. Kalm, and E. Paleger (Moscow Univ., Russ. Acad. Pharm. Sci., Pharm. J., 1958, 10, 1088-1089).—A method is described with a Cd amalgam anode and a glassy carbon cathode. This was applied in the characterization of several acids. However, it is effectively used for the detection of any electrochemically active substance and particularly for those which are separable by paper chromatography or electrophoresis on paper. If care is taken, the method may also be applied quantitatively in very small amounts of substance. The method avoids the need of elution, a troublesome process which often leads to a series of errors.

G. M. Hocking

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PALECEK, Von E.

Czechoslovakia

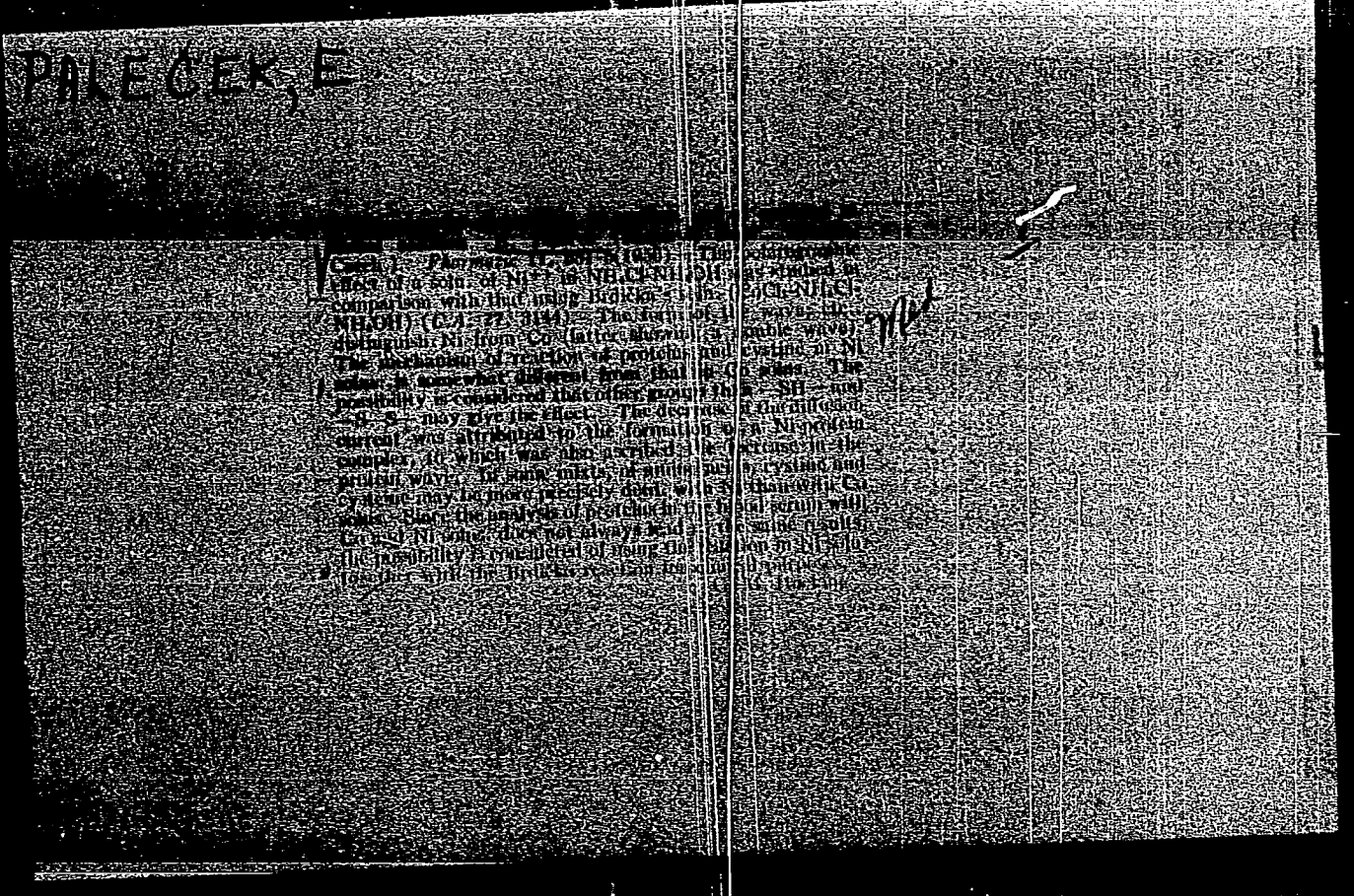
"Die Polarographie der Eiweißstoffe, des Systins und Cysteins in Nickelösung

by Von E. PALECEK

Submitted on Kingengagen am 29, Dezember 1955 by: Emil Palecek, Brunn - 16, Sirotkova 43

SOURCE: Die Pharmazie, August 1956, Unclassified.

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Analysis of nucleic acids in colloidal gels. Emil Fricke  
 (Zentralblatt. Abstr. Min., Bern). 2. 241. 1968. 100.  
 1968. 100. 1968. 100. 1968. 100. 1968. 100. 1968. 100.  
 The gels were taken with a Hg anode and  
 Hg-plated Cu or Pt or a Hg drop cathode of 5% agar or 10%  
 gelatin gels using 2N KCl or 7 NH<sub>4</sub>OH-NH<sub>4</sub>Cl. The  
 nucleograms were dV/dT = f(V) curves. Co, Ni, Zn, and  
 Ti in basic gels gave nucleograms whose depth was dependent on  
 concentration. Cytidine, cytosine, and guanosine are active at Cu,  
 Pt, and Hg electrodes in the basic agar gels. Adenine,  
 thymic acid, adenosine triphosphate, guanine, guanosine,  
 guanylic acid, and xanthine are active in the KCl gels.  
 K. G. Stone

4

SOSKA, J.; DRASIL, V.; KARPFEL, Z.; SOSKOVA, L.; PALECEK, E.; BEJES, L.

Significance of desoxyribonucleides in irradiated organism. Cesk. fysiolog. 8 no.3:247-248 Apr 59.

1. Biofyzikalni ustav CSAV v Brne a Biologicky ustav lek. fakulty v Brne. Predneseno na III. fysiologickych dnech v Brne dne 15. 1. 1959.

(RADIATIONS, eff.

desoxyribonucleic acid activity in irradiated animal as index of effectiveness of transpl. hemopoietic tissue (Cz))

(DESOXYRIBONUCLEIC ACIDS, metab.

in irradiated animals, as index of effectiveness of transpl. of hemopoietic tissues (Cz))

(HEMOPOIETIC SYSTEM, transpl.

desoxyribonucleic acid activity in irradiated animals as index of effectiveness of transpl. (Cz))



PALECEK, E. [Palecek, E.]

Oscillographic polarography of desoxyribonucleic and apurinic acids. *Biokhimiia* 25 no,5:803-807 S-0 '60. (MIRA 14:1)

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.  
(DESOXYRIBONUCLEIC ACID) (APURINIC ACID)  
(POLAROGRAPHY)

PALECEK, E.

Oscillographic polarography of components of nucleic acid. Coll Cz  
Chem 25 no.9:2283-2289 S '60. (EEAI 10:9)

1. Biophysikalisches Institut, Tschechoslowakische Akademie der  
Wissenschaften, Brno.

(Polarograph and polarography) (Nucleic acids)

ACCESSION NR: AT4008636

S/3039/63/000/000/0118/0125

AUTHOR: Soshka, Y.; Benesh, L.; Drashil, V.; Karpfel, Z.; Palechek, E.; Skalka, M.

TITLE: Significance of free deoxyribonucleotides at the onset of radiation injuries

SOURCE: Pervichny\*ye i nachal'ny\*ye protsessy\* biologicheskogo deystviya radiatsii. Moscow, 1963, 118-125

TOPIC TAGS: radiation injury, deoxyribonucleic acid, deoxyribonucleotide, deoxycytidylic acid, thymidylic acid, bone marrow mitotic index, mitotic index, irradiation, deoxyadenylic acid, deoxynucleotide, nucleoside, nucleotide, ribonucleoside, ribonucleotide

ABSTRACT: After a short description of their earlier work on the beneficial effect of certain deoxyribonucleotides on the course of radiation sickness in animals, the authors describe their experience with the use of some of these compounds in radiation injuries. When injected into mice at doses equivalent to 0.3 mg of desoxycytidylic acid (DCMP) 24 hours after irradiation with 500r, only DCMP, thymidylic acid (TMP), and deoxyadenylic acid showed a statistically significant beneficial effect on the bone marrow mitotic index. Further, DCMP and TMP stimulated the synthesis of DNA in the bone marrow of irradiated guinea pigs *in vitro*. Deoxycytidine and thymidine were also active, but to a lesser

Card

1/3

ACCESSION NR: AT4008636

extent. Fresh chick embryo extract increased DNA synthesis by 86%, and an extract of embryonic tissue prepared with 0.6 perchloric acid was also active. Further fractionation of the perchloric acid extract showed that the fraction containing triphosphate was most active followed by fractions containing the mono- and tetraphosphates. Further experiments in which the bone marrow of irradiated animals was incubated with  $P^{32}$  or formate- $C^{14}$  and nucleotides showed with the aid of autoradiography, that  $P^{32}$  uptake in reticular cells was increased 2 to 5 times in the presence of DCMP compared to 3 times in non-irradiated animals. The uptake or incorporation of formate- $C^{14}$  was also twice as great. However, in the presence of thymidylate, only  $P^{32}$  was incorporated and the incorporation of formate- $C^{14}$  into DNA was decreased. DCMP normalized both the adenine/thymine (A/T) and guanine/cytosine (G/C) ratios, while TMP changed only the G/C ratio. Since it was assumed that the nucleotides which stimulate DNA synthesis in irradiated animals may serve as precursor of DNA, experiments were carried out with the spleens of irradiated rats. For several hours after a dose of 600r the level of deoxynucleotides and nucleosides in the spleen remained above normal, falling below normal only after 24 hours. In order to avoid the heterogeneity and variability of splenic tissue, experiments were then performed with regenerating rat liver, rats being irradiated (600r) either 1-2 hours after or 24 hours before hepatectomy. These results showed that, although irradiation alone, like hepatectomy, increased the level of deoxynucleotides and nucleoside in the liver, irradiation prevented the increase in deoxynucleotides (but not that in deoxynucleosides) usually following

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hepatectomy. There were no marked differences in the content of polymeric DNA or in U. V. -absorbing (at 260 m $\mu$ ) acid-soluble compounds between the animals subjected to hepatectomy, hepatectomy and irradiation, or irradiation alone, and controls. Paper chromatographic analysis of the various nucleic acid components showed the absence of purine deoxynucleotides. The authors conclude that the principal effect of irradiation is on DNA synthesis rather than on its polymerization. Orig. art. has: 2 figures and 5 tables.

ASSOCIATION: Institut biofiziki Chekhoslovatskoy AN, Brno. (Institute of Biophysics of the Czechoslovak AN).

SUBMITTED: 00

DATE ACQ: 20Dec63

ENCL: 00

SUB CODE: . LS

NO REF SOV: 000

OTHER: 012

Card

3/3

PALECEK, Emil

"Oscillographic Polarography of Nucleic Acids," Bratislava, Chemicke Zvesti, No. 11-12,  
Nov-Dec 60, p. 798.

Affiliation: Biophysical Inst., CSAV, Brno.

PALECEK, Emil; KALAB, Dusan

Oscillopolarography of proteins, nucleic acids and their components. Chem listy 57 no.1:13-25 Ja '63.

1. Biofyzikalni ustav, Ceskoslovenska akademie ved a Vyzkumne oddeleni narodniho podniku Bicyeta, Ivanovice na Hanu.

CZECHOSLOVAKIA

E. PALECEK and J. MIKULASKOVA, Natural Medicinal Products Research Institute (Vyskumny ustav prirodnich lediv) Prague.

Pharmacology of Pilocodine.

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 25-34.

Abstract [English summary modified]: Comprehensive toxicologic and pharmacologic studies of pilocodine, compared with codeine and morphine: in mice, rats, guinea pigs, rabbits and dogs. Same analgesic and antitussive potency with lower toxicity would seem to make pilocodine preferable to codeine for oral indications. Four tables, 6 graphs; 2 Czech and 19 Western references.



I 13584-66

ACC NR: AP6006069

SOURCE CODE: CZ/0053/65/014/004/0307/0307

AUTHOR: Palecek, P.

18B

ORG: Research Institute for Natural Medicinal Substances, Prague (Vyzkumny ustav prirodnich leciv)

TITLE: Effect of ouabain on skeletal muscle [This paper was presented during the Twelfth Pharmacologic Days, Smolnice, 28 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 307

TOPIC TAGS: experiment animal, rat, carbohydrate, myology, pharmacology, drug effect

ABSTRACT: Description of methodology to study the effect of cardioglycosides on guinea pig and rat diaphragm in vitro. Ouabain had both positive and negative inotropic effects in this study, depending on the dose and functional condition of the muscle tested. [JPRES]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 002

Card 1/1 HW

HOSTOMSKA, I.; PALEČEK, F.

New anabolic steroids in pediatrics. *Česk. pediat.* 1965, 10: 996-1004. N 105.

I. Katedra fakultní pediatrie fakulty detského lékařství  
Karlovy University v Praze (vedoucí prof. dr. J. Houstek,  
DrSc.) a Vyzkumný ústav přírodních léčiv v Praze (ředitel  
doc. dr. F. Pekan, ČSc.).

PALECEK, F.

Mechanical aspects of muscle contraction during activity.  
Physiol. Bohemoslov. 14 no.1:23-27 '65

Mechanical aspects of denervated muscle contractions. Ibid.:  
28-31

1. Research Institute for Natural Drugs, Prague.

LUKES, R. [deceased]; PALECEK, J.

Preparation of  $\beta$ -acetylglutaric acid diesters. Coll  
Cz Chem 29 no.4:1073-1076 Ap '64.

1. Institute of Organic Chemistry, Higher School of  
Chemical Technology, Prague.

LUKES, R. [deceased];PALECEK, J.

Data on 2-methyl quinuclidine. Coll Cz chem 29 no.7:1582-1590  
Jl '64.

1. Institut fur organische Chemie, Technische Hochschule fur  
Chemie, Prague.

KUTHAN, J.; PALECEK, J.

Contribution to the Mannich reaction of formaldehyde with  
acetodiacetic acid-diethyl ester. Coll Cz Chem 28 no.8:2260-  
2264 Ag '63.

1. Institut für organische Chemie, Technische Hochschule für Che-  
mie, Prag.

CZECHOSLOVAKIA

PALECEK, J; POLIVKA, Z

Institute of Organic Chemistry, College of Chemical  
Engineering, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communi-  
cations, No 12, December 1966, pp 4592-4597

"Azabicyclocompounds. Part 7; On the synthesis of  
Winterfeld's 2-methyl-1-aza-bicyclo [2,2,2] octane  
and the production of 4-methyl-1-aza-bicyclo [4,2,0]  
octane."

PALECEK, J.

Lumbosacralgia in the diagnosis of surgical diseases of the sacrum.  
p.317. ZELEZNICE. Beograd. Vol. 11, no. 9, Sept. 1955.

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



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Plan for water distribution in 1960. p. 353.

VODNI HOSPOSARSTVI. (Ministerstvo energetiky a vodniho hospodarstvi a Vedecka technicka spolecnost pro vodni hospodarstvi) Praha, Czechoslovakia. No. 9, Sept. 1959.

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

Uncl.

CZECHOSLOVAKIA

KUTHAN, J; PALECEK, J.

Institute of Organic Chemistry of the Technical Higher  
School of Chemistry, Prague

Prague, Collection of Czechoslovak Chemical Communications,  
No 8, 1963, pp 2260-2264

"Report on the Mannich Reaction of Formaldehyde with Aceton-  
dicarbonic Acidic Diethylester."

PALECEK, J.

Automatic ventilation of apartment houses, p. 318, POZEMNI STAVBY,  
(Ministerstvo stavebnictvi) Praha, Vol. 3, No. 8, Aug. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1956



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PALEK, J.

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vnitřní klinika KU), Prague

Prague, Vnitřní Lekarství, No 8, 1964, pp 776-781

"Enzymopenic Haemolytic States."

**PALECEK, J.**

The so-called peritonitis chronica fibrosa encapsulans. Acta chir.  
jugosl. 1 no.4:374-378 1954.

1. Kirurški odjel Opće bolnice u Slavonskom Brodu (Sef prim. dr.  
Josip Palecek)

(PERITONITIS  
chronica fibrosa encapsulans)

PALECEK, J.; TOUFAR, J.

Palecek, J.; Toufar, J.

Density of partridges in agricultural vegetation in autumn during October and  
November. p. 51.

Vol. 10, no. 2, March 1955  
OCHRANA PRIRODY

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,  
Sept. 1955, Uncl.

*J. H. ...*  
PALINCH, J.

Contribution to the reaction of ethyl acetate with the ester of ethyl acetate. ...

1. Department of Organic Chemistry, Institute of Chemical Technology, Prague.



*Palceet, J*

621.318.5.08  
710. APPLICATION OF RELAY ALGEBRA TO THE SOLUTION  
OF CIRCUITS IN COMMUNICATION SYSTEMS *J. Palceet*  
Stavoproudý Obozr., Vol. 15, No. 7, 490-5 (1957). In Czech.

The technique of designing relay circuits by means of either the standard relay algebra or by special auxiliary tables is briefly outlined, and it is shown that the design can be simplified by introducing the so-called numerical symbols which represent the on and off states of a given relay in the system. The symbols can be arranged in tabular form and the design can further be helped by the so-called transfer diagrams. The method is employed to design a three-relay static system and a multi-contact dynamic (based on time graphs) input selector circuit.

R. J. Sikorowicz

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*3*

CZECHOSLOVAKIA

PALECEK, J

Institute for Organic Chemistry, Technical College  
of Chemistry, Prague (Institut für organische Chemie,  
Technische Hochschule für Chemie, Prag)

Prague, Collection of Czechoslovak Chemical Communi-  
cations, No 3, March 1966, pp 1340-1347

"Azabicyclic compounds. Part 4: Hofman exhaustive  
methylation of 2-methyl-1-aza-bicyclo (2,2,2) octane."

PAJOUK, Jaroslav

Ventilation of the B-3 kitchen and sanitary unit. See study no. 8:447-449 '63.

1. Research and qualification institute, Prague.

PALČEK, Jaroslav; SKALA, Vratislav

Universal device for continuous extraction of lipids. *Chem  
listy* 58 no. 9:1095-1097 S 1964.

1. Higher School of Chemical Technology, Prague.

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"Ventilation" by Jan Pulkrabek. Reviewed by Jaroslav Palecek. Stroj  
vyr 10 no.4:213 Ap '62.

PALECEK, Jaroslav

Collectors for flotation of minerals I; primary N-alkylamines.  
Sbor chem tech no.3, part 2:421-426 '59.

1. Laborator anorganické chemie, Československá akademie věd a  
Katedra mineralogie, Vysoká škola chemicko-technologická, Praha.

PALECEK, Jaroslav; MARHOUL, Antonin

Collectors for flotation of minerals II; alkaline xantogenates.  
Sbor chem tech ro.3, part 2:427-434 '59.

1. Laborator anorganické chemie, Československá akademie věd  
a Katedra mineralogie, Vysoká škola chemicko-technologická, Praha.

L 43622-66

ACC NR: AP6009339

SOURCE CODE: CZ/0078/65/000/011/0011/0011

INVENTOR: Palecek, Jiri (engineer); <sup>(A) (Prague)</sup> Trnka, Jaroslav (engineer) (Prague)

No B

ORG: none

TITLE: [Circuit of a subscriber's set] CZ Pat. NO. PV 7139-64, Class 21a

SOURCE: Vynalezny, no. 11, 1965, 11

TOPIC TAGS: telephone equipment, telephone network, telephone system

ABSTRACT: The circuit of a subscribers set of an electronic duplex line is described in which, in order to distinguish and separate both subscribers, at least two reverse poled pairs of corresponding poled diodes are used each connected in series with the other subscriber instrument. The distinguishing feature of the circuit is that both subscriber instruments are connected in series between the telephone lines through one diode of the first pair of like poled diodes and this circuit is at the same time short circuited by one diode of the second pair of like poled diodes. The subscriber instrument is connected to the second telephone line of the mixing line through the second diode of the second pair of like poled diodes. This circuit is at the same time short circuited by the second diode of the first pair of like poled diodes.

SUB CODE: 09/17/ SUBM DATE: none

Card 1/1



S/194/62/000/006/001/232  
D222/D309

9.3200

AUTHOR: Palecek, Jiri

TITLE: On the algebraic description of electronic logical circuits

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-1-7 kh (SE. praci Vyzkumn. ustavu spoju 1959, Praha, 1960, 25-50)

TEXT: This new method, which is analogous to the algebraic methods of relay-contact circuit design, makes it possible to analyze or synthesize electronic circuits consisting of elements with two stable states. The specific features of designing electronic circuits are shown, and a method is given for the description of the operation of each element with the help of functional and inverse operators. The definitions of these operators and examples for the description of various elements are given. The possibilities of this method are shown through examples of circuit analysis; circuit synthesis is accomplished for several variants among which the most

Card 1/2

On the algebraic description of ...

S/194/62/000/006/001/232  
D222/D309

economical can be selected. The possibility of mechanizing the design process is emphasized. The method can also be used for the design of relay-contact circuits. 6 figures and 5 references.  
[Abstractor's note: Complete translation].

✓  
B

Card 2/2

JAKOUBKOVA, J.; BEK, V.; HAVRANKOVA, K.; PALECEK, L.; KOLLOVSKY, J.

On the problem of lung metastases in Grawitz's tumor of the kidney. *Cesk. radiol.* 19 no.6:393-397 N 165.

1. Radiologicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Svab, DrSc.) a Ustav experimentalni biologie a genetiky Ceskoslovenske akademie ved v Praze (reditel doc. dr. M. Hasek, DrSc.).

TRAPL, J.; PALECEK, L.

The significance of traumatization of pigmented nevi. Cesk.  
derm. 38 no.3:169-173 Je '63.

1. II dermato-venerologicka klinika fakulty vseobecneho  
lekarstvi KU v Praze, prednosta prof. dr. J. Obrtel, DrSc.  
Radiologicka klinika fakulty vseobecneho lekarstvi KU v Praze,  
prednosta prof. dr. V. Svab, DrSc.  
(NEVUS, PIGMENTED) (MELANOMA)  
(SKIN NEOPLASMS) (WOUNDS AND INJURIES)

JAKUBKOVA, J.; PALECKI, L.

On the treatment of metastases of malignant epithelial tumors with  
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(NEOPLASMS EPITHELIAL, ther.)

FRANK, O.; PALECEK, L.

Diagnosis and treatment of destructive tumors of the kidney in children. Cesk. pediat. 11 no.12:914-918 Dec 56.

1. Klinika Detske a Orthopedicke Chirurgie, prednosta doc. V. Kafka, Radiologicka Klinika, prednosta prof. Dr. V. Svab.  
(KIDNEYS, neoplasms  
destructive tumors in child., diag. & ther. (Cz))

KACL, J.; KOLAR, J.; MARX, F.; PALECEK, L.; POTOCKY, V.

Osseous changes as sequelae of post-traumatic vascular diseases. Cesk.  
rentgenol. 16 no.2:109-115 Ap '62.

1. Radiologicka klinika fakulty vseobecneho lekarstvi University  
Karlovy v Praze, prednosta prof. dr. V. Svab.

(BONE DISEASES etiol)  
(VASCULAR DISEASES PERIPHERAL compl)

DNOTKA, J. IANDEV, I. I. AN. B.; 1951. 44. 4.

On the treatment of breast cancer metastasizing to lymph glands. Vestn. Lek. no. 10, 1951, 335. N. 10.

1. II. chirurgická klinika (prednosta prof. dr. J. I. Dnotka)
2. III. odd. mikroskopické anatomie (prednosta prof. dr. J. I. Dnotka)
3. Odd. patologické anatomie (prednosta prof. dr. V. J. Janda)
4. Odd. všeobecné lékařství (prednosta prof. dr. J. I. Dnotka)



HLADIK, Miroslav; PALECEK, Leopold; PAFLOVA, Helena

The importance of control urography in Wilms' tumor after the preoperative irradiation. Cesk.rentg.14 no.4:246-252 Ag'60.

1. Detska chirurgicka klinika pediatricke fakulty KU v Praze,  
prednosta doc. MUDr. V. Kafka. Radiologicka klinika fakulty  
vseobecneho lekarstvi KU v Praze, prednosta prof. MUDr. V. Svab.  
(NEPHROBLASTOMA radiogr)

KOLAR, Jaromir; SKALOVA, Nadesda; PALECEK, Leopold

Unusual manifestations of pulmonary cancer. Cas.lek.cesk.99 no.38:  
1207-1212 16 S'60.

1. Radiologicka klinika KU v Praze, prednosta prof. MUDr.  
Vaclav Svab.  
(LUNG NEOPLASMS diag)

PALECEK, M.

"Use of ion exchangers in the analytical chemistry of silicates. II."

p. 355 (Sklar A Keramik) Vol. 7, no. 12, Dec. 1957.  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

PALECEK, M.

Use of ion exchangers in the analytical chemistry of silicates. I

P. 320 (Stlar a Keramik. Vol. 7, no. 11, Nov. 1957, Praha, Czechoslovakia)

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