

HAMORI, Artur, dr.

"Interruption syndrome" in prednisolone therapy of acute  
glomerulonephritis. Orv. hetil. 105 no.3:114-117 19 Ja'64.

1. Pesci Orvostudományi Egyetem, II. Belklinika

\*

HAMORI, A.

Treatment of nephritis, pyelonephritis and nephrosis. Acta  
med. acad. sci. Hung. 19:Suppl:37-54 '63.

1. Second Department of Medicine, University Medical School,  
Pecs.

(GLOMERULONEPHRITIS) (PYELONEPHRITIS)  
(NEPHROTIC SYNDROME)

HAMORI, Artur, dr.

On the treatment and prevention of pyelonephritis. Orv. hetil. 103  
no.23:1063-1065 10 Je '62.

1. Pecsí Orvostudományi Egyetem, II Belklinika.

(PYELONEPHRITIS)

HAMORI, Artur, dr.

Auto-immunization and kidneys. Magy belorv. arch. 13 no.6:161-166  
'60.

1. A Pecsí Orvostudományi Egyetem II. sz. Belklinikájának (Igazgató:  
Hamori Artur dr. egyet. tanár) közleménye.

(ALLERGY) (KIDNEY DISEASES)

HAMORI, Artur, Dr.

Etiology, pathogenesis, therapy and prevention of glomerulonephritis. Orv. hetil. 100 no.37:1317-1327 Sept 13 59

1. A Pecsí Orvostudományi Egyetem II. sz. Belklinikájának közleménye.  
(GLOMERULONEPHRITIS)

HAMORI, Artur; SCOSSA, Karolina; HETENYI, Geza (r. tag)

Role of histamine liberation in the development and spread of experimental atophan ulcer. Magy. Tudom. Akad. Orv. Oszt. Kozl. 9 no.1: 98-118 1958.

1. A Szegedi Orvostudományi Egyetem I. sz. Belklinikája.

(PEPTIC ULCER, exper.

cinchophen-induced in dogs, demonstration of histamine liberation in ulcerous region (Hun))

(CINCHOPHEN, tox.

peptic ulcer induction in dogs, demonstration of histamine liberation in ulcerous region (Hun))

(HISTAMINE, physiol.

liberation in region of cinchophen-induced peptic ulcer in dogs (Hun))

ILLEGIBLE

HAMORI, A.

EXCERPTA MEDICA Sec.2 Vol.11/5 Physiology, etc. May 58

2371. THE ROLE OF HISTAMINE LIBERATION IN THE DEVELOPMENT AND PROGRESSION OF CINCHOPHEN ULCER - Hámori A., Scossa K. and Hetényi G. 1st Dept. of Med., Univ. Med. Sch., Szeged - ACTA MED. ACAD. SCIENT. HUNG. (Budapest) 1957, 10/4 (375-396) Illus. 21

Lesions of the stomach and duodenum produced by starch embolism, food, cinchophen damage to the mucosa and surgical operation were subjected to the Indian ink test. The formation of carbon deposits around cinchophen ulcers was specific and excessive in comparison with the effect of other lesions. It is believed that histamine plays the role of a mediator in the development and progression of cinchophen ulcer. The results suggest that the last link in ulcer disease is due to local histamine poisoning.

Szilágyi - Debrecen



CA HAMORI, M.

116

**Experimental glomerulonephritis.** Ajlur, Hamori and Ferenc Olah (Szegei Univ., Hung.) *Lancet* 761, 280-7 (1951).—Ducks were immunized with intraperitoneal administration of antigen prepd. from rabbit stomach and rabbits were injected intravenously with the serum thus obtained. A pathol. process ensued which clinically and

histologically resembled acute and subacute glomerulonephritis in man. It is believed that the glomerulonephritis is a specific process, the pathogenesis of which is in an antigen-antibody reaction. The rabbit stomach is considered to contain heterotopic antigens, identical with those in the glomeruli. In the duck these heterotopic antigens evoke specific nephrotoxic antibodies. Barbara R. Murray

1951

CA

11111111, 4.

116

**Effect of vagus exclusion on the atophan (cinchophen) ulcer of dogs** - Artur Hamori, Károlyi Szócska, and Géza Hetenyi (Univ. Sargent, Hung.). *Acta Med. Acad. Sci. Hung.* 4, 120-30 (1963) in English. Atophan ulcer of dogs caused by injecting intravenously 0.10 g/kg % atophan for 3 weeks in the form of a 5% soln. were definitely aggravated by vagus resection. Similar results were obtained with toxic doses of atropine. Vagus resection alone may cause gastric ulcers but may have some effect in preventing duodenal ulcers. This suggests that the origin of gastric and duodenal ulcers is not identical. Vagi seem to play a role in safeguarding the defensive mechanism against gastric ulcers. 14 references. Istvan Fonyó

3RD AND 4TH ORDERS

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

BC  
HAMORI, A.

AA

**Influence of high temperature on central regulation of respiration.**  
 A. Hamori (M. J. Res. Arch. 1954, 10, 1-10). The respiratory centre in the medulla is the most sensitive to heat. The respiratory centre and the medullary centre are regulated by heat. Respiratory movements are regulated by (I) the medullary centre which is practically insensitive to heat, (II) the centre in the pons which is more sensitive to heat, but cannot induce panting in the dog, (III) the respiratory centre which is most sensitive to heat. Periodic breathing may occur when the higher centres are eliminated by heat paralysis, when the competition between the pontobulbar inhibitory centre and the medullary centre occurs.

M. A. B.

ASS. SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM YIVIBLVA

MATERIALS INDEX

COPPER

COPPER ELEMENTS

COPPER TABLES INDEX

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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

HAMORI, Antal

Wages and wage proportions. Munka 13 no.9:14-15 S '63.

1. Szakszervezetek Országos Tanácsa munkaber osztalya.

HAMORI, Antal

Wages and manpower management. Munka 14 no.9:12-13 S '64.

1. Wage Division, Central Council of Hungarian Trade Unions,  
Budapest.

HAMOR, Tibor

Possibilities for developing the mechanization of punched card systems. Cukor 15 no.12:333-334 D '62.

1. Elelmezesugyi Miniszterium Penzugyi es Ellenorzesi Fosztalya.

HAMOR, T.

"Role and organization of independent accounting by workshops in the food industry."  
Elelmezési Ipar, Budapest, Vol. 8, No. 5, May 1954, p. 129.

SO: Eastern European Accessions List, vol. 3, no. 11, Nov. 1954, L.O.

INDEX, I.

FALCH, T.

"Directions for Developing Evaluation of Intrinsic Costs in the Food Industry",  
1. 1, (TOPIKUNEN, Vol. 8, No. 1, April 1964, Helsinki, Finland)

30: Monthly List of East European Accessions, (JEBL), 10, Vol. 7,  
No. 1, Jan. 1963, Finl.



BAKAL, I.

BAKAL, I. Possibilities of reducing price cost by improving threads. p. 209.

No. 11/12, Nov./Dec. 1956.

MAGYAR TEXTILTECHNIKA.

TECHNOLOGY

Budapest, Hungary

So: East European accession, Vol. 5, No. 5, May 1956

HAMOR, Geza; JAMBOR, Aron, dr.

Parallelization possibilities for the Miocene formations  
on the East and West ranges of the Mecsek Mountains.  
Foldt kozl 94 no.1:53-65 Ja-Mr '64.

HAMOR, Geza

Biofacies examination of the schlieren in the Mecsek Mountains.  
Foldt kozl 94 no.3:349-361 J1-S '64.

FULOP, Jozsef; HAMOR, Geza; HETENYI, Rudolf; VIGH, Gusztav

Jurassic formations of the Vertes Mountains. Foldt kozl 90 no.1:  
15-26 Ja/Mr '60. (EEAI 9:8)  
(Hungary--Paleontology)

COUNTRY : H  
CATEGORY :

ABS. JOUR. : RZKhim., No. 23 1959, No. 84413

AUTHOR :  
INSTIT. :  
TITLE :

ORIG. PUB. :

ABSTRACT : the removal of I takes place when the fabric  
Cont'd is boiled. --G. Marhus

CARD: 3/3

CLASSIFICATION :

AUTH. INSTR. : AFDom, No. 25 1957, No. 24413

AUTHOR :  
TITLE :

ORIG. PUB. :

ABSTRACT : in sizing of knobby fibers; an increase in  
(cont'd) the fiber strength and decrease in their elas-  
ticity is somewhat lower than they are when  
starch is used for sizing. however, this does  
not affect adversely productivity of the weav-  
ing machines. all of the sizing solution made  
with I, has to be adjusted from 10.5 to 2.0-  
-8.5; in order to insure a rapid dissolution,  
I has to be used in the form of a powder. Re-  
moval of the sizing is achieved by washing  
in warm water at 40-50° in the course of 15-  
-20 minutes. In the bleaching of fabrics,

CONT. : 2/3

HAMM RICH, F.

COUNTRY : ROMANIA  
 CATEGORY : Chemical Technology, Chemical Products and Their Applications, Dyeing and Chemical \*  
 ABS. JOUR. : RECHER., 10, 23 1958, 10, 84418  
 AUTHOR : Lowe, A.; Pavel, B.; Hamarich, F.  
 TITLE : Experiments on the Sizing of Knobby Fiber at the "Dacia Vasilescu" Textile Plant  
 ORIG. PUB. : Ind. textile, 1958, 3, No 12, 471-475  
 ABSTRACT : Experiments on the sizing of knobby fibers with the aid of carbomethylcellulose (1) were conducted for the purpose of complete substitution of starch. In the preparation of sizing solution 1 is soaked in water for 20 hours prior to sizing in a sizer at 40-45° with the addition of sulfated oil. Experiments revealed the following: from the technological standpoint 1 may replace starch when employed  
 Treatment of Textile Materials.  
 CHEM: 1/3

HAMMES P

V Preparation of some imino- and cyanimino-substituted barbiturates. D. M. Dvornik, S. M. Djokic, and P. Hammes (1954) (in English).—Condensations of substituted esters (I) of  $\text{CH}_2(\text{CO}_2\text{H})_2$  and  $\text{NCCH}_2\text{CO}_2\text{H}$  with urea,  $(\text{H}_2\text{N})_2\text{C}=\text{NH}\cdot\text{HNO}$ , (II) and  $\text{H}_2\text{NC}(\text{NH})\text{NHCN}$  (III) were effected by gradually adding  $\text{MeONa}$  to the reaction mixt. The resulting substituted imino and cyanimino barbituric acids (IV) were hydrolyzed to the corresponding barbituric acids. General procedure: A soln. of  $\text{MeONa}$  (from 0.22 g.-atom  $\text{Na}$ ) in 100 ml.  $\text{MeOH}$  was gradually added to a boiling suspension of 0.1 mole I and 0.15 mole urea, resp. III, during 6-8 hrs., refluxed 3 hrs., evapd. to dryness, dissolved in 150 ml.  $\text{H}_2\text{O}$ , extd. with 40 ml.  $\text{Et}_2\text{O}$  and decolorized. After acidification with 15%  $\text{HCl}$  under cooling and stirring, the ppt. was filtered off and washed with  $\text{H}_2\text{O}$ . The hydrolysis was effected by boiling 0.1 mole IV 7-18 hrs. with 13 ml. 25%  $\text{H}_2\text{SO}_4$ . II (1.5 mole) was used per mole of I, and the  $\text{MeONa}$  soln. was prepd. from 3.15 g.-atom  $\text{Na}$  in corresponding excess of  $\text{MeOH}$ . The following IV were prepd. (substituents given): 5-(1-cyclohexen-1-yl)-5-methyl-4-imino, m. 247-54° (decompn.) (melting points detd. on Kofler micro app. unless otherwise stated), 68.4% yield; 5-(1-cyclohexen-1-yl)-5-ethyl-4-imino, m. 269-62° (decompn.), 61.7% yield; 5-(1-

cyclohexen-1-yl)-5-methyl-2,4-dilimino, m. 246-63° (decompn.), 79.4% yield; 5-(1-cyclohexen-1-yl)-5-ethyl-2,4-dilimino, m. 248-63° (decompn.), 89% yield; 5-phenyl-2-imino, m. 333-6° (decompn.), 86% yield; 5-phenyl-5-methyl-2-imino, m. over 360° (decompn.) (uncorr.), 88% yield; 5-phenyl-5-ethyl-2-imino, m. 313-15° (decompn.), 93.5% yield; 5-(1-cyclohexen-1-yl)-5-methyl-1-cyano-2,4-dilimino, m. 268-72° (decompn.), 85.6% yield; 5-(1-cyclohexen-1-yl)-5-ethyl-2,4-dilimino, m. 263-6° (decompn.), 87% yield; 5-phenyl-1-cyano-2-imino, m. 280-93° (decompn. from 289°), 79.5% yield; 5-phenyl-5-methyl-1-cyano-2-imino, m. 236-41° (decompn.), 89.5% yield; 5-phenyl-5-ethyl-1-cyano-2-imino, m. 220-5° (decompn.), 86% yield. By hydrolysis, the following barbituric acids were prepd. (yields not stated): 5-(1-cyclohexen-1-yl)-5-methyl, m. 205-10° (uncorr.); 5-(1-cyclohexen-1-yl)-5-ethyl, m. 175-6° (uncorr.); 5-phenyl, m. 250° (decompn.); 5-phenyl-5-methyl, m. 228°; 4-phenyl-5-ethyl, m. 177° (uncorr.). E. Guittak

②



~~Hammes, P. Hahn, V.~~  
HAMMES, P. HAHN, V.

YUGO.

The structure of phthaloylurea. V. Hahn, P. Hammes,  
and Z. Gerić (Univ. Zagreb, Yugoslavia); *Experientia* 10,  
11-12 (1954) in German. Treatment of phthaloylurea (I)  
or phthaloylurethan (II) with excess NH<sub>4</sub>OH produced  
phthalamide in both cases; similarly treatment of I or II  
with NaH<sub>2</sub>PO<sub>4</sub> produced phthaloylhydrazide. I with xan-  
thyrol in AcOH gave exclusively a monoxanthyl deriv., m.  
201-3° (from dioxane-BtOH). Thus the structure of I is o-  
C<sub>6</sub>H<sub>4</sub>(CO)<sub>2</sub>NCONH<sub>2</sub>.  
D. S. Farnes

2

*[Handwritten signature]*

HAMMES, P.

Preparation of *allylphosphorothioate*. D. N. Dyrall  
and J. C. Higgins (Piva, *Giornale Italiano Zool. Viro-*  
*chimica*, 21: 107 (1953); *A. m.*, from 34.5 g.  
Na<sub>2</sub>SO<sub>4</sub> in 100 ml. EtOH was gradually added by a ml.  
of 1 mole each of BeEt<sub>2</sub> and (CO)<sub>2</sub>Et<sub>2</sub> with stirring to give  
a paste. After standing overnight,  $\text{PcH}(\text{CO}_2\text{Et})$ -  
 $\text{CO}_2\text{Et}$  was isolated, and decarboxylated under reduced pres-  
sure during 1 hr. at 170°. Distill. of the residue gave 192-  
200 g.  $\text{PcH}(\text{CO}_2\text{Et})$ , b.p. 103-105°; d<sub>4</sub> 1.101; n<sub>D</sub> 1.4020.  
R. Chittak

HAC0165, P.

③  
Preparation of diethyl malonate. D. M. Dvornik and P. Hammes (PLIVA Factory, Zagreb, Yugoslavia). *Arhiv Kem.* 25, 113 (1953). In the presence of 0.38 mole  $\text{ClSO}_3\text{H}$  for 7 hrs. a soln. of 0.265 mole  $\text{NCCH}_2\text{CO}_2\text{H}$  refluxed in 110 ml.  $\text{EtOH}$  is simultaneously hydrolyzed and esterified to give dl-Et malonate in 82-4% yield, calcd. on the basis of  $\text{ClCH}_2\text{CO}_2\text{H}$ . Werner Jacobson

ME

HUNGARY

BALINC, Tamás, Dr., LIGETI, Béla, Dr., SALAMON, Ferenc, Dr; Capital City Council, Janos Hospital, I. Medical Ward (Povarovsi Utacs, Janos Kerhaz, I. Belostaly), Budapest.

"Experiences with Butyl Biguanid, a New, Hungarian, Oral Antidiabetic Compound."

Budapest, Orvosi Hetilap, Vol 107, No 41, 9 Oct 66, pages 1938-1939.

Abstract: [Authors' Hungarian summary] A new oral antidiabetic drug, prepared by the Chinoin Pharmaceutical Factory and having butyl biguanid as the active component, was studied by the authors. They concluded that the compound is an effective adjuvant in the treatment of diabetes. The drug was only used in combination with others. 4 Hungarian, 10 Western references.

HALMOS, Tamas, dr.; KORANYI, Andras, dr.; LOCZKA, Bela, dr.; SALAMON,  
Ferenc, dr.; MAJOR, Eleonora, dr. chem.

On the pathogenesis of hepatogenic hypoglycemia. Orv. hetil. 106  
no.37:1761-1763 12 S'65.

1. Fovarosi Tanacs, Janos Korhaz, I. Belosztaly.

HUNGARY

HAIMOS, Tamas, Dr, SALAMON, Ferenc, Dr, LOZKA, Bela, Dr, MAJOR, Eleonora, Dr. chem; Capital City Council Janos Hospital, I. Medical Ward (Fovarosi Tanacs Janos Korhaz, I. Belosztaly).

"A New Biological Process for the Testing of Insulin-Like Activity in the Serum."

Budapest, Orvosi Hetilap, Vol 104, No 18, 5 May 63, pages 825-827.

Abstract: [Authors' Hungarian summary] The authors present a new biological test for the determination of insuline-like activity in the serum. The test was developed by the authors. The methodology used for the basis of the new test is presented. Results of the use of the test are discussed. 13 Western references.

DA

KOVANYI, Andras, dr.; HALMOS, Tamás, dr.; KOZMA, Gyorgy, dr.

Experience with a biguanide derivative in the treatment of diabetes.  
Orv. hetil. 103 no.22:1029-1032 3 Je '62.

1. Fovarosí Tanács Janos Korhaz, I. Belosztaly.  
(ANTIDIABETICS ther)

HALMOS, Tamas, dr.; SOMOGYI, Bela, dr.

Investigation on the correlation between human saliva and carbohydrate metabolism. Magy. belorv. arch. 15 no.6:220-223 D '62.

1. Fovarosi Tanacs Janos korhaz I. belosztaly es BMO osztaly kozlemenye.  
(DIABETES MELLITUS) (HYPOGLYCEMIA) (SALIVA)  
(BLOOD SUGAR) (CARBOHYDRATE METABOLISM)



HALMOS, Tamas, dr.

Interesting cases of hypoglycemia. Orv. hetil. 102 no.51:2429-2431  
17 D '61.

1. Fovarosi Janos Korhaz, I Belosztaly.

(HYPOGLYCEMIA case reports)

HALMOS, Tamas, dr.; KOZMA, Gyergy, dr.

Acute anuria due to a mercurial diuretic. Orv. hetil. 102 no.17:  
797-798 23 Ap '61.

1. Fovarosí Janos Korház, I sz. Belgyógyászati Osztály.

(ANURIA etiol) (DIURETICS MERCURIAL toxicol)

HAIMOS, Tamas, dr.; IOCZKA, Bela, dr.; SALAMON, Ferenc, dr.

Liver damage in infectious mononucleosis. Orv. hetil. 105 no.41:  
1937-1939 11 0 '64.

1. Fovarosi Janos Korhaz, I. Belosztaly.

HALMOS, Tamas, dr.; KARSAY, Gyula, dr.; MIKLOS, Gyorgy, dr.

Generalized Loeffler's syndrome. Orv.hetil. 101 no.50:1784-1786  
11 D'60.

1. Fovarosi Janos Korhaz, I. Belosztaly.  
(LOEFFLER'S SYNDROME case reports)

DECKER, Ivan, dr.; HALMOS, Tamas, dr.

Pancreatectomy in hyperinsulinism. Magy.sebeszet 13 no.1:  
54-58 F '60.

1. Budapest Fovaros Janos Korhaz es Rendelo Intezet (Igazgato:  
Tako Jozsef dr.) Sebeszeti osztalyanak (Foorvos: Gergely Rezső dr.)  
es I. Belgyogyaszati osztalyanak (Foorvos: Koranyi Andras dr.)  
kozlemenye.

(HYPERINSULINISM surg)

(PANCREAS surg)

HALMOS, Tamas, dr.; KORANYI, Andras, dr.; GERGELY, Rezso, dr.

New data on the etiopathogenesis of spontaneous hypoglycemia.  
Orv.hetil. 100 no.39:1396-1401 S '59.

1. A janos korhaz rendeloitezet (igazgato: Tako Jozsef dr.)  
I. sz. belosztalyanak (foorvos: Koranyi Andras dr.) es segeszetenek  
(foorvos: Gergely Rezso dr.) kozlemenye.  
(HYPOGLYCEMIA etiol.)

HALMOS, Tamas, Dr.; BERKI, Ervin, Dr.

Chronic arsenic poisoning causing liver cirrhosis and kidney lesions.  
Orv. hetil. 99 no.52:1835-1837 28 Dec 58.

1. A Janos Korhaz (igazgato: Tako Jozsef dr.) I. sz. Belosztalyanak  
foorvos: Koranyi Andras dr.) kozlemenye.

(ARSENIC, pois.

chronic pois. causing ascites. liver cirrhosis & kidney  
samage (Hun))

(ASCITES, etiol. & pathogen.

chronic arsenic pois. causing ascites, liver cirrhosis &  
kidney damage (Hun))

(LIVER CIRRHOSIS, etiol. & pathogen.

same)

HALASZ, Ilona, Dr.; HALMOS, Tamas, Dr.

Clinically diagnosed cardiac metastasis causing ventricular tachycardia.  
Orv. hetil. 99 no.6:208-212 9 Feb 58.

I. A Janos Korhaz rendeloitezet (igazgato: Bakacs Tibor dr.) I. sz.  
Belosztalyanak (foorvos: Koranyi Andras dr.) kozlemenye.

(HEART, neoplasms

metastatic, causing ventric. tachycardia, case report (Hun))

(TACHYCARDIA, etiol. & pathogen.

metastatic cardiac tumor causing ventric. tachycardia, case  
report (Hun))



COUNTRY : Hungary E-2  
 CATEGORY :  
 ABS. JOUR. : RZKhim., No. 16 1959, No. 56861  
 AUTHOR :  
 INST. :  
 TITLE :

ORIG. PUB. :

ABSTRACT : metrically at 420 m $\mu$ . At Zr concentrations of 0-250  $\gamma$ /ml, 10 ml of sample are used to which 4.8 ml conc HCl, 3 ml ether, and 2 ml of I solution are added; the analysis is made at 420 m $\mu$ . The method described can be used in the determination of up to 0.1  $\gamma$  Zr per ml with an error of  $\pm$  5%. Zr must be separated first from interfering cations. Of the anions,  $\text{F}^-$  and  $\text{PO}_4^{3-}$  interfere; nitrate and tartrate in ten-fold excess produce an error of 5%.  
C. Krátsztori

CARD: 4/4

COUNTRY : Hungary  
CATEGORY : Analytical Chemistry--Analysis of Inorganic  
Substances.  
ABS. JOUR. : RZKhim., No. 16 1959, No.

5-2

96861

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : 30  $\mu$ /ml; in the concentration range 30-100  $\mu$ /ml the dependence of the concentration on the absorption is also linear but has a different slope. The authors have developed a photometric procedure for the determination of Zr. 2 ml of anhydrous chloric acid solution containing 120-250  $\mu$ /mg Zr are treated with 4.8 ml conc HCl, 12 ml ethanol, and 6 ml of a 0.2% ethanolic solution of I, the solution is shaken, diluted with water to 25 ml, left to stand 30 min, and analysed photo-

CARD: 3/4

COUNTRY : Hungary E-2  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 16 1959, No. 56861  
AUTHOR :  
INST. :  
TITLE :  
ORIG. PUB. :  
ABSTRACT : in water but soluble in aqueous ethanol solution  
(25-30 vol % C<sub>2</sub>H<sub>5</sub>OH at 10 γ/ml Zr and ≈ 75 vol %  
at 50 γ/ml Zr; the C<sub>2</sub>H<sub>5</sub>OH excess does not af-  
fect the absorption). The composition of the  
complex is expressed by the ratio M : l = 1 : 1.  
The apparent dissociation constant of the complex  
has been calculated to be  $2.6 \cdot 10^{-3}$  from the  
photometric data; the hypothesized structure of  
the complex cation is given. The Beer law is  
rigorously observed up to Zr concentrations of

CARD: 2/4

92

COUNTRY : Hungary E-2  
 CATEGORY : Analytical Chemistry--Analysis of Inorganic  
 Substances,  
 ABS. JOUR. : RZKhim., No. 16 1959, No. 56861  
 AUTHOR : Schneer, A. and Halmos, T.  
 INST. : Not given  
 TITLE : Investigation of the System Zirconium-Morin.  
 Photometric Determination of Zirconium  
 ORIG. PUB. : Magyar Kem Folyoirat, 64, No 10, 371-376 (1958)  
 ABSTRACT : The system Zr-morin (I) has been investigated  
 photometrically using light filters of 420 and  
 470 m $\mu$ . It has been established that the  
 absorption of the yellow chelate compound of Zr  
 with I is independent of the Zr : I ratio when  
 more than two mols I are present per gm-atom  
 Zr and is independent of the concentration of  
 the acid (HCl) when the latter exceeds 1.5 N.  
 The absorption increases by up to 1.5 % on stand-  
 ing for 2 hrs. The complex is not very soluble

CARD: 1/4

HALMOS, PAUL R.

Mathematical Reviews  
 Vol. 14 No. 11  
 Dec. 1953  
 Analysis

✓ Halmos, Paul R. Spectra and spectral manifolds. Ann. Soc. Polon. Math. 25 (1952), 43-49 (1953).

Let  $A$  be a bounded normal operator on a Hilbert space  $\mathcal{H}$ , let  $\mathcal{Y}$  be a closed invariant subspace of  $\mathcal{H}$ , and let  $B$  be the restriction of  $A$  to  $\mathcal{Y}$ . Let  $A(\mathcal{Y})$  consist of those complex numbers  $\lambda$  for which  $B - \lambda$  is not invertible. A reducing subspace is an invariant subspace whose ortho-complement is also invariant. Since the intersection of every set of reducing subspaces is a reducing subspace there is a unique minimal reducing subspace  $\mathfrak{M}$  containing a given invariant subspace  $\mathcal{Y}$ . It is shown that  $A(\mathfrak{M}) \subset A(\mathcal{Y})$ . It is also shown that for Borel sets  $M$  in the complex plane the closed linear manifold spanned by all invariant subspaces  $\mathcal{X}$  for which  $A(\mathcal{Y}) \subset M$  is the same as the closed linear manifold spanned by all reducing subspaces  $\mathcal{X}$  for which  $A(\mathcal{X}) \subset M$ . — *N. Dunford.*

*Halmos, Paul R.*

Halmos, Paul R., Commutativity and spectral properties of bounded operators. Acta Sci. Math. Szeged. 2, Leopoldo Trepozzo Kratochvic Ricard LXX annoa nativae dedicatus. Pars B. 153-156 (1950).

The author proves for the case of a bounded normal operator  $A$  in Hilbert space the fact that if the bounded operator  $B$  commutes with  $A$ , then  $B$  commutes with the adjoint  $A^*$  of  $A$ . The proof given here differs from the one given by B. Fogedaa [Proc. Nat. Acad. Sci. U. S. A. 36, 35-40 (1950) (1950), (308), (371), whose method yields the result for arbitrary normal  $A$  and a bounded  $B$ . (The author remarks that a minor modification of his method will cover the general case.) The key to the proof is the following theorem which seems to be new. For a bounded normal operator  $A$  let  $\eta(x) = |x|^2 - |Ax|^2$ . For every complex number  $\lambda$  and every  $\epsilon > 0$  let  $\eta(\lambda, \epsilon) = \eta((A-\lambda)/\epsilon)$ . For every set  $M$  of complex numbers let  $\tilde{\eta}(M, \epsilon)$  be the subspace spanned by all  $\eta(\lambda, \epsilon)$  with  $\lambda$  in  $M$ . Let  $\tilde{\eta}(M) = \bigcap_{\epsilon>0} \tilde{\eta}(M, \epsilon)$  and let  $E(\lambda)$  be the resolution of the identity for  $A$ ;  $A = \int \lambda dE(\lambda)$ . Then if  $\mathfrak{G}(M) = \{x \mid \int \lambda dE(\lambda)(x) = x\}$  it follows that, for every compact set  $M$ ,  $\mathfrak{G}(M) = \tilde{\eta}(M)$ . This result is based on the "regularity" of the spectral measure  $E(\lambda) = \int \lambda dE(\lambda)$ . *B. Gabaum (Minneapolis, Minn.)*



Source: Mathematical Reviews, 1950 Vol. 11 No. 8

HAMMERSCHMIDT, STEFAN

SURNAME, Given Names

Country: Czechoslovakia

(3)

Academic Degrees:

Stomatology Clinic of Medical Faculty (Stomatologicka klinika lebarskej  
Affiliation: fakulty US (University Safarikove, Safarik University) Head /prednosta/  
Dr Arnost RUZICKA; Kosice

Source: Prague, Prakticke Zubni Lekarstvi, Vol 9, No 8, Oct 1961; pp 255-257

Data: "Modified Plastic Jacket<sup>8</sup> Crown with Cervical Metal Ring"

DUDRA, Anton /As Dr /not identified/

HAMMERSCHMIDT, Stefan

GPO 981643

HAMMERSCHMIDT, Ernest, Prof., Dr., (Ljubljana)

Radiodermatitis provocata. Med. glasn. 10 no.6:229-230  
June 56.

(SKIN DISEASES, etiol. & pathogen.  
radiother. (Ser))  
(RADIOTHERAPY, inj. eff.  
skin dis. (Ser))



HAMMERSCHMIDT, E., dr., professor.

Combined treatment of psoriasis. Med. glasn. 9 no.11-22:414-421  
Nov-Dec 55

1. Dermatovenerolosko odeljenje Poliklinike GNO u Ljubljani  
(PSORIASIS, ther.

Vitamin C, compound B hormone of adrenal cortex &  
potassium-free diet (Ser)

(VITAMIN C, ther. use,

psoriasis, with compound B hormone of adrenal cortex  
& potassium-free diet (Ser)

(ADRENAL CORTEX, hormones,

compound B, ther. of psoriasis, with vitamin C & potassium-  
free diet (Ser)

(DIETS,

potassium-free diet, ther. of psoriasis, with vitamin  
C & compound B Hormone of adrenal cortex (Ser)

1 51794 55 REC(6) Pt. 7

ACCESSION NR: AP5016910

02/0014/6A/000/014/0570/0570

AUTHOR: Hammerschmid, Vladimir (Engineer)

21

TITLE: Glow-tube pulse generator

B

SOURCE: Sdelovaci tehnika, no. 10, 1964, 370

TOPIC TMS: pulse generator

ABSTRACT: Described is a simple glow-tube circuit generating very short pulses with a high transconductance, derived from a power supply of a voltage with a sinusoidal course. The circuit operates at low frequencies and generates pulses of both polarities with the possibility of changing their phases. Orig. art. has: 3 figures, 1 graph.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NO REF COV: 000

OTHER: 003

JPRS

Card 42 CC

FRAGSBERG, E.

Double-coated tar carpets for gravel roads. p. 71, (DROGOWNICTWO, Vol. 10, No. 3., March 1955, Warszawa, Poland)

SU: Monthly List of East European Accessions, (ASAL), 10, Vol. 4, No. 5 May 1955, Uncl.

RADO, Janos, dr.; HAMMER, Sarolta, dr.; SZILAGYI, Laszlo, dr.; technical  
asszisztens: CZIBULA, Etelka; HIDEG, Katalin

Effective treatment of decompensated liver cirrhosis with new  
synthetic glucocorticoids (6 methylprednisolone, Oradexon<sup>R</sup>) and  
thiazide compounds (dihydrochlorothiazide, chlorthalidone-Hygrotone<sup>R</sup>,  
bendroflumethiazide) combined with mercurial diuretics. Nagy. belorv.  
ardh. 15 no.4:144-156 Ag '62.

1. A Janos Korhaz Rendelointezet Izotop Osztalyanak es Kozponti  
Laboratoriumanak kozlemenye.

(LIVER CIRRHOSIS) (CUSHING'S SYNDROME) (METHYLPREDNISOLONE)  
(DEXAMETHAZONE) (HYDROCHLORTHIAZIDE) (CHLORTHIAZIDE)  
(DIURETICS, MERCURIAL) (HEPATITIS) (ALKOHOLISM)  
(CHOLELITHIASIS) (COLLAGEN DISEASES)

RADO, Janos, dr.; HAMMER, Sarolta, dr.; SZILAGYI, Laszlo, dr.; technikai  
assistsens: HIDEG, Katalin.

Effect of new synthetic glucocorticoids (dexamethasone and medrol)  
on mercurial diuresis in liver cirrhosis. IV. Experimental studies  
on the renal and extrarenal effect of steroids with special reference  
to the concentrating capacity of the kidney. Magy. Belorv. arch. 15  
no.1:16-29 Fe '62.

1. A Janos Korhaz Rendelointezet Izetop (V.bal) osztalyanak,  
Anyagesereszakrendelesenek es Kozponti Laboratoriumanak kozlemenye.  
(DEXAMETHASONE ther) (PREDNISOLONE rel cpds)  
(LIVER CIRRHOSIS ther) (DIURETICSM MERCURIAL ther)

GOTH, Endre, dr.; MOLNAR, Bela, dr.; HAMMER, Sarolta, dr.; ULKEY, Eszter, dr.;  
technikai asszisztens: CZIBULA, Etelka; SCHWENDTNER, Hanna

Studies on the human growth hormone. Orv. hetil. 102 no.42:1982-1986  
15 0 '61.

1. Budapesti Janos Korhaz-Rendelointezet, II Belosztaly, Kozponti  
Laboratorium es Kobanyai Gyogyszerarugyar.

(SOMATOTROPIN)

GOTH, Endre; MOLNAR, Bela; HAMMEN, Sarolta; DOBY, Arpad; ULKEY, Eszter;  
technikai asszisztens: CZIBULA, Eteka; SCHWANDTNER, Hanna

Studies with human growth hormone. Kiserl. orvostud. 13 no.5:495-  
499 0 '61.

1. Kobanyai Gyogyszergyar es Janos Korhaz-Rendelo-intezet II.belosztalya  
es Kozponti Laboratoriuma.  
(SOMATOTROPIN pharmacol.)

RADO, Janos, dr.; BLUMENFELD, Gyula, dr.; HAMMER, Sarolta, dr.

Prednisone therapy of novurite-induced refractory cardiac edem. III. Significance of tubular mechanisms in the reversal of mercurial sensitivity. Magy.belorv.arch. 12 no.6:183-188 D '59.

1. A Janos Korhaz-Rendelointezet (igazgato foorvos: Tako Jozsef dr.) Izotop V. Belosztalyanak (foorvos: Tako Jozsef dr.), II. sz. Belosztalyanak (foorvos: Goth Endre dr.) es Kozponti Laboratoriumanak (foorvos: Hammer Sarolta dr.) kozlemenye.  
(PREDNISONE pharmacol)  
(HEART FAILURE CONGESTIVE exper)



HAMMER, Sarolta, dr.; RADO, Janos, dr.

Pelger-Huet anomaly of leukocytes. Orv. hetil. 97 no.11:298-301  
11 March 56.

1. A Janos Korhaz (igazgato-foorvos: Bakacs, Tibor dr.)  
Laboratoriumanak (foorvos: Hammer, Sarolta dr.) os II. sz.  
Belosztalyanak (foorvos: Fodor, Imre dr. az orvostudomanyok  
kandidatusa) kozlemenye.

(LEUKOCYTES

Pelger-Huet anomaly. (Hun))

HAMMER, S.

✓ Changes in the pattern of the bone marrow reticulum cells and of the serum proteins in infectious (epidemic) hepatitis. I. Strausz and S. Hammer (Szabole Street State Hosp., Budapest). *Acta Med. Acad. Sci. Hung.* 9, 221-9 (1958) (in English).—In infectious hepatitis, the most const. change in bone marrow pattern was an increase in the no. of plasmocytes and normoblasts. In most cases, the serum globulin level (I), thymol turbidity values (II), and formol-gel values (III) increased in proportion to the increase in plasmocyte count (IV). Changes in I, II, III, and IV generally were parallel.

med 2

Norman G. Roth

KOSA, Janos (Budapest); HAMMER, Peter; IVANKA, Istvan; MOLNAR,  
Mihaly; BIRMANN, Geza (Budapest); ILLES, Janos (Budapest)

Forum of innovators. Ujit lap 15 no. 16:30 25 Ag '63.

*HAMMER, M.*

RUMANIA/Chemical Technology - Chemical Products and Their  
Application, Part 3. - Food Industry.

II-27

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 23148

Author : M. Hammer.

Inst :                     

Title : Placart - A New Packing Material.

Orig Pub : Ind. lemn., 1957, No 3, 104-106

Abstract : The manufacture of placart is described. Placart consists of more or less thin sheets of wood of various tree kinds covered on both sides with packing paper, to which a layer of waterproof substances 0.2 to 0.4 mm thick is applied. The sheet sizes are 2500 to 3500 mm by 1200 mm by 1.5 to 4 mm (mainly 2.5 mm). 1 sq. m of 3 mm sheet thickness weighs 700 g, and 1 sq.m of 5 mm thickness weighs 800 g. It is used for packing and furniture making.

Card 1/1

HAMMER, M.

HAMMER, M. New aspects in the conception, construction, and administration of packing.  
p. 27.

Vol. 8, No. 9, Sept. 1956.

STANDARIZAREA

TECHNOLOGY

Bucuresti, Rumania

So: East European Accession, Vol. 6, No. 2, Feb. 1957

S/044/62/000/007/080/100  
C111/C333

AUTHORS: Balas, E., Hammer, L. P.

TITLE: On transportation problems. 4. On a method of solving the transportation problem

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 61, abstract 7V289. ("Comun. Acad. RPR", 1961, 11, no. 9, 1047-1049)

TEXT: This is a continuation of the series of articles by the authors on the transportation problem (for the first article cf. Rzh. Mat., 1962, 2V452; the second and third articles are being printed). The method of solution suggested is based on the interpretation of the transportation problem as a parameter problem of linear programming. The optimal solution of the original problem are obtained for certain parameter values. A short example is given.

[Abstracter's note: Complete translation.]

Card 1/1

HAMMER, L. P.; FUDEANU, S.

On the solution of transport problems by the Egervary method. Comunicarile AR 11 no.7:773-778 '61.

1. Comunicare prezentata de academician Gr. C. Moisil.

BALAS, E.; HAMMER, L. F.

On the problem of transportation. I. The transportation problem with interchangeable centers. Studii cerc mat 11 no.2:439-450 '60.

(Transportation) (Linear programming)



## Schefferian algebras

5/044/62/000/002/002/092  
C111/C333

The composition law  $\bar{\top}$  is denoted as the first Scheffer function. The relations (1) - (6) are understood as a system of axioms, the completeness and independence of which are proved. The properties of the function  $\bar{\top}$  are investigated. The second Scheffer function  $\perp$  is defined in the Schefferian algebra by the relation

$$\perp(a_1, \dots, a_n) = \bar{\top}(\bar{\top}(a_1, \dots, a_n))$$

the properties of  $\perp$  are investigated. The duality principle is proved: Each theorem of the Schefferian algebra remains correct, if the functions  $\bar{\top}$  and  $\perp$  and the constants 0 and 1 are interchanged. The author finds distributive laws which are satisfied by the Schefferian functions. It is shown that each element of a Schefferian algebra is representable in a conjunctive or disjunctive normal form. Some theorems on the connection between the Schefferian and the Boolean algebra are proved.

[Abstracter's note: Complete translation.]

16.11.00

S/044/62/000/002/002/002  
0111/0533

AUTHOR: Hammer, L. P.

TITLE: Schefferian algebras

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 65,  
abstract 2V362. (Bull. math. Soc. sci. math. et phys.  
RPR", 1959, 3, no. 3, 289-303)

TEXT: A Schefferian algebra is defined as a set  $M$  with a composition  $\top$  which assigns an element from  $M$  to a sequence of elements  $a_1, \dots, a_n$  ( $n \geq 1$ ) from  $M$  so that it holds:

$$\top a = \top(a, a), \quad (1)$$

$$\top(a_1, \dots, a_n) = \top[\top \top(a_1, \dots, a_{n-1}), a_n], \quad (2)$$

$$\top(a, b) = \top(b, a), \quad (3)$$

$$\top[a, \top(a, b)] = \top(a, \top b), \quad (4)$$

$$\top \top a = a, \quad (5)$$

$$\top(a, \top a) = \top(b, \top b) \text{ for arbitrary } a, b \in M. \quad (6)$$

Card 1/2

PELESKA, B.; SPACEK, B.; KLAIN, M.; PISA, Z.; BODIL, J.

Our experiences with implantation of cardiac stimulators in AV block and Adams Stokes syndrome. *Rozhl. chir.* 44 no.1:16-23 Ja '65.

1. Vyzkumny ustav pro elektroniku a modelovani v lekarstvi, Praha;  
Ustav klinicke a experimentalni chirurgie, Praha a Ustav pro  
choroby obehu krevniho, Praha.

MALEK, P.; HAMMER, J.; ZASTAVA, V.; PISA, Z.; KOLC, J.; GRAFFNETER, D.

Experimental models of myocardial infarction without opening of the thorax and tetracyclines. Cas. lek. cesk. 104 no.36: 986-990 10 S '65.

1. Ustav klinicke a experimentalni chirurgie v Praze (reditel prof. dr. B. Spacek, DrSc.) a Ustav pro vyzkum chorob obehu krevniho v Praze (reditel prof. dr. J. Brod, DrSc.). Submitted September 1964.

HAMMER, J.; PISA, Z.; DEJDAR, R.; TRAVNICEK, R.; BUDA, J.

Clinical coronary arteriography. Cesk. radiol. 19 no.4/5:  
246-249 Ag '65.

1. Ustav pro choroby obehu krevniho, Ustav klinicke a experi-  
mentalni chirurgie, Praha, CSSR.

PISA, Z.; HAMMER, J.; TRAVNICEK, R.; BUDA, J.

Experimental coronary arteriography. *Cesk. radiol.* 19 no.4/5:  
242-246 Ag '65.

1. Ustav pro choroby obehu krevního, Ustav klinické a experi-  
mentalní chirurgie, Praha, CSSR.

MALEK, P.; HAMMER, J.; ZASTAVA, V.; PISA, Z. Technical assistance: KOLC, J.  
GRAFNETTER, D.

The diagnostic significance of fixation of tetracycline antibiotics in infarcted myocardium. Cor vasa 7 no.2:125-130 '65.

1. Institute for Clinical and Experimental Surgery and Institute for Cardiovascular Research, Prague, Czechoslovakia.

SPACEK, B.; PELESKA, B.; ZASTAVA, V.; HAMMER, J.; PISA, Z. Technicka  
spoluprace: RABL, M.; BLAZEK, Z.; ZIRHALOVA, A.; CERNY, H.; MAJEROVA, H.

Reversibility of cardiac contraction after temporary obstruction  
of the coronary arteries. Cas. lek. cesk. 104 no.1:1-11 8 Ja '65

1. Ustav klinicke a experimentalni chirurgie v Praze (reditel -  
prof. dr. B. Spacek, DrSc.) a Ustav pro choroby obehu krevniho  
v Praze (reditel - prof. dr. J. Brod, DrSc.).



PISA,Z.; HAMMER,J.; DEJDAR,R.; TRAVNICEK,R.; BUDA,J.

The clinical application of coronary arteriography. Cor.vasa  
6 no.2:99-103 '64

1. Institute of Cardiovascular Research, Institute for Experimental and Clinical Surgery, Prague.

\*

GANZ, V.; FROMEK, A.; HANEK, J.

An investigation of the pharmacological treatment of angina pectoris.  
Rev. czech. M. 8 no.2:137-142 '62.

1. Institute for Cardiovascular Research, Prague; Director: Academician  
K. Weber, M.D.

(ANGINA PECTORIS therapy) (NITRITES therapy)  
(PAPAVERINE therapy) (EPINEPHRINE pharmacol)  
(ERGOT ALKALOIDS pharmacol)

PISA, Zbynek; HAMMER, Jan

The current status of opinions on the mechanism of the pathogenesis and on the treatment of shock in myocardial infarct. Cas.lek.cesk 100 no.47:1473-1477 24 N '61.

1. Ustav pro choroby obehu krevniho, Praha-Krc, reditel akademik Kl. Weber.

(MYOCARDIAL INFARCT)

,

PISA, Z.; HAMMER, J.

Evaluation of treatment of hypotensive condition after closure of coronary arteries in experiments in closed chest dogs. Rev. Czech. med. 7 no.3:185-198 '61.

1. Institute for Cardiovascular Research, Prague-Krc. Director: Prof. K. Weber, M. D.

(MYOCARDIAL INFARCT experimental)  
(HYPOTENSION experimental)

HAMMER, J.; PISA, Z.

Haemodynamic changes after embolization of the coronary bed in closed chest dogs. Rev. Czech. med. 7 no.3:171-184 '61.

1. Institute for Cardiovascular Research, Prague-Krc. Director: Prof. K. Weber, M. D.

(CORONARY DISEASE experimental)

PISA, Zbynek, HAMMER, Jan; s technickou asistenci: STEIDLOVE, A.; HEJLOVE, M.

Evaluation of the treatment of hypotensive conditions after  
occlusion of the coronary artery in closed thorax experiments in  
dogs. Cas.lek.cesk. 99 no.42:1325-1332 14 0 '60.

1. Ustav pro choroby obehu krevniho, Praha-Krc, reditel prof.  
MUDr. Kl. Weber.  
(MYOCARDIAL INFARCT exper)  
(HYPOTENSION exper)

HAMMER, J.; PISA, Z.

Effect of noradrenalin on the coronary circulation. Cesk.fysiol. 9  
no.3:232 My '60.

1. Ustav pro choroby obehu krevniho, Praha.  
(CORONARY VESSELS pharmacol)  
(NOREPINEPHRINE pharmacol)

FRONEK, A.; GANZ, V.; HAMMER, J.; PISA, Z.

Basic levels of coronary systemic circulations and oxygen metabolism in dogs under anesthesia. Cesk.fysiol. 9 no.3:228 My '60.

1. Ustav pro choroby obehu krevniho, Praha.  
(BLOOD CIRCULATION)  
(OXYGEN blood)  
(CORONARY VESSELS physiol)  
(ANESTHESIA GENERAL)



PISA, Z.; HAMMER, J.

Hemodynamic changes following coronary embolism in dogs. Cas.  
lek.cesk. 98 no.43:1344-1350 23 0 '59.

1. Ustav pro choroby obehu krevniho, Praha-Krc, red. prof.dr.  
Kl. Weber.

(CORONARY DISEASES exper.)  
(BLOOD PRESSURE physiol.)

PISA, Z.; HAMMER, J.

Comparative effects of strophanthin, blood transfusion and noradrenalin on hemodynamics following coronary embolism in dogs. Cesk. fysiол. 8 no.3: 234-235 Apr 59.

1. Ustav pro choroby obehu krevniho, Praha. Predneseno na III. fysiologickych dnech v Brne dne 14. 1. 1959.

(STROPHANTHIN, eff.

on exper. coronary embolism, comparison with blood transfusion & arterenol (Cz))

(BLOOD TRANSFUSION, eff.

on exper. coronary embolism, comparison with strophanthin & arterenol (Cz))

(ARTERENOL, eff.

on exper. coronary embolism, comparison with blood transfusion & strophanthin (Cz))

(CORONARY DISEASE, exper.

embolism, eff. of arterenol, blood transfusion & strophanthin, comparison (Cz))

HAMMER, J.; PISA, Z.

Hemodynamic changes following intravenous infusion of noradrenalin in dogs following obstruction of the coronary flow. Cesk. fysiол. 7 no.4: 354 July 58.

1. Ustav pro choroby obehu krevniho, Praha.

(CORONARY VESSELS, physiol.

eff. of occlusion on blood pressure after admin. of arterenol (Cz))

(BLOOD PRESSURE, physiol.

eff. of coronary occlusion after admin. of arterenol (Cz))

(ARTERENOL, eff.

on blood pressure after occlusion of coronary circ. (Cz))

PISA, Z.; HAMMER, J.

Hemodynamic changes following occlusion of the coronary artery. Cesk.  
fysiol. 7 no.4:352-353 July 58.

1. Ustav pro choroby obehu krevniho, Praha.  
(BLOOD PRESSURE, physiol.  
eff. of coronary occlusion (Cz))  
(CORONARY VESSELS, physiol.  
eff. of occlusion on blood pressure (Cz))

HAMMER, J.

CZECHOSLOVAKIA/Pharmacology - Toxicology, Adrenergic Agensts. U-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12870

Author : Hammer, J., Pisek, Z.

Inst :

Title : A Direct Effect of Noradrenaline on Cardiac Contractions.

Orig Pub : Casop lekaru ceskyh, 1957, 96, No 12, 364-368

Abstract : In experiments on dogs an intravenous or intracoronary injection of noradrenaline caused an increased emptying of the left ventricle as expressed by an elevation in arterial pressure and decreased pressure in the left atrium; the pressure in the right atrium either remained unchanged or diminished slightly. The change in cardiac contractions was manifested by a shortened isometric phase. During intracoronary injections the systole in portions of the myocardium that contained noradrenaline became shorter; this indicated a positive inotropic effect of noradrenaline upon the myocardium.

Card 1/1

HAMMER, J.

PISA, Z.; HAMMER, J.; s technickou spolupraci A. Steidlove a J. Krize.

Electrocardiographic changes during intravenous administration of noradrenaline. Cas. lek. cesk. 46 no.11:337-343 15 Mar 57.

1. Ustav pro choroby obehu krevniho, Praha-Krc, prednosta prof. MUDr. K. Weber. Z.P., Praha-Krc, Budejovicka 800.  
(ARTERENOL, admin.  
intravenous in dogs, ECG changes (Cz))

*HAMMER, JAN*

HAMMER, Jan; GANZ, Vilem

DH-ergotoxin in therapy of angina pectoris. Cas. lek. cesk. 44  
no.10:257-260 4 Mar 55.

1. Ustav pro choroby obehu krevniho; red. prof. Dr. Kl. Weber.  
(ANGINA PECTORIS, therapy  
dihydrogenated ergot alkaloids)  
(ERGOT ALKALOIDS, ther. use  
dihydrogenate deriv. in angina pectoris)

GANZ, V.; PISA, Z.; HAMMER, J.

Orthostatic electrocardiography following peroral admin. of glucose. I. In hypertension. Vnitř. lek., Brno 1 no.11:827-833 Nov 55.

1. Ustav pro choroby obehu krevního v Praze-Krci, reditel prof. MUDr. Klement Weber. Dr. G., Ustav pro choroby obehu krevního, Praha-Krc, Budejovicka 800.

(HYPERTENSION, physiology,

ECG, eff. of oral glucose in orthostatism.)

(GLUCOSE, effects,

on ECG in hypertension, oral admin. in orthostatism.)

(ELECTROCARDIOGRAPHY, in various diseases,

hypertension, eff. of oral glucose in orthostatism.)



FRONEK, A.; GANZ, V.; HAMMER, J.; PISA, Z.; technickou spoluprací:  
VELATOVE, A.; STEDLOVE, A.

Skin temperature in persons with ischemic heart disease.  
Vnitr. lek., Brno 1 no.6:435-437 June 55.

1. Ustav pro choroby obehu krevniho v Praze-Krci, reditel  
prof. Dr. Kl. Weber.

(HEART DISEASE

ischemic, skin temperature.)

(SKIN, in various diseases

heart dis., ischemic, temperature measurement.)

(BODY TEMPERATURE

skin in ischemic heart dis.)

GANZ, V.; HAMMER, J.; PILAR, J.; PISA, Z.; ZEMPLENYI, T.

Working test with ECG recording during physical effort.  
Vnitr. lek., Brno 1 no.6:423-426 June 55.

1. Ustav pro choroby obehu krevniho, Praha, Krc, reditel  
prof. Dr. Kl. Weber, Ustav pro choroby obehu krevniho,  
Praha-Krc.

(PHYSIOLOGY

working test, ECG eff. of phys. effort.)

(ELECTROCARDIOGRAPHY

in working test, eff. of phys. effort.)

(EXERCISES, effects

phys. effort on ECG in working test.)

FRONEK, Arnost, MUDR.; GANZ, Vilem, MUDr.; HAMMER, Jan, MUDr.;  
PISA, Zbynek, MUDr.; SEMPLNYI, Tibor, MUDr.; za tech. spoluprace:  
STEIDLOVE, Aloisie; VELATOVE, Anny

Skin resistance in ischemic heart disease. Vnitr. lek., Brno 1  
no.5:333-339 May 55.

1. Ustav pro choroby obehu krevniho v Praze-Krci, reditel prof.  
MUDR. Kl. Weber.

(SKIN, physiology  
resist. in ischemic heart dis.)

(HEART DISEASE  
ischemic, skin resist.)

HAMMER, J.

KARPISEK, J., Dr.; FANTIS, A.Dr.; HAMMER, J., Dr.

Collagen disease. Prakt. lek., Praha 34 no.24:548-550 20 Dec 54.

1. Z obvodni nemocnice Dr. Budina v Praze III.  
(COLLAGEN DISEASES)

HAMMER, Jan, MUDr; NEMEČEK, Jan, MUDr; VANEČEK, Rudolf, MUDr

Perforation of the interventricular septum in myocardial infarct,  
diagnosed in vivo. Cas.lek.cesk. 91 no.9:268-272 29 Feb 52.

1. Z interniho odd. Statni fakultni nemocnice--odbocka Budinova  
nemocnice, Praha III, prednosta: MUDr Jindrich Karpisek, a z II.  
pathol. -anatomickeho ustavu, prednosta: prof. dr. Vaclav Jedlicka.  
(MYOCARDIAL INFARCT, complications,  
    interventric. septum perf., diag.)  
(CARDIAC SEPTUM, perforation,  
    in myocardial infarct, diag.)

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L 32026-66

ACC NR: AP6020362

greatly on the mode exhibited by the laser. It was concluded that the laser beam was "almost coherent" throughout its entire cross section and that a greater degree of coherence can be obtained for some modes. Comparison of the flux-density of a black-body radiation  $W_s$  and the flux-density of an "almost coherent" radiation beam  $W_p$  shows that  $W_p = (0.16 \lambda)^2 W_s$ . For a laser beam at  $\lambda = 6328 \text{ \AA}$  the ratio  $W_p/W_s$  is more than  $10^{10}$  times greater than for black-body radiation. Orig. art. has: [JA]  
3 formulas and 8 figures.

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 ACC NR: AP6020362 SOURCE CODE: PO/0045/66/G29/006/0753/0757

AUTHOR: Chwalko, R.; Stepinski, S.; Hammer, H.

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TITLE: Spatial coherence measurement of gas laser output

SOURCE: Acta physica polonica, v. 29, no. 6, 1966, 753-757

TOPIC TAGS: ~~laser~~, gas laser, laser beam, laser emission coherence

ABSTRACT: An investigation was made of the spatial coherence of an He-Ne laser beam. Measurements were made of the output radiation of a cw He-Ne gas laser operating at 6328 Å. The laser consisted of a quartz discharge tube 995 mm long filled with He at 0.5 mm Hg and Ne at 0.1 mm Hg. The tube, which was terminated with optical flats oriented at Brewster's angle, was made of high-optical-quality synthetic fused silica. The tube was placed between two external confocal spherical reflectors mounted 111.4 cm apart. The reflectors, which consisted of vapor-deposited dielectric layers, had reflection coefficients of 98.7 and 99.3%. Interference patterns for pin-holes spaced 1, 2, and 3 mm apart and the intensity distribution of interference fringes were obtained. Analysis of the interference patterns showed, in principle, that the degree of coherence of the laser radiation varied in different parts of the laser beam and greatly decreased in the direction opposite to the geometrical axis of the beam. The degree of coherence of the laser beam depends

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