

MARTISHYUS, I. T.

MARTISHYUS, I. T.: "The problem of the theoretical determination of duplicate splitting of terms." Vil'nyus State U imeni V. Kapsukas. Physicomathematical Faculty. Vil'nyus, 1956. (Dissertation for the Degree of Candidate in Physicomathematical in Sciences).

SO: Knizhaya letopis', No 23, 1956

USSR/Atomic and Molecular Physics - Physics of the Atom, D-1

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34270

Author: Glembotskiy, I. I., Martishyus, I. T., Bolotin, A. B., Yugis, A. P.

Institution: None

Title: Theoretical Determination of the Fine Structure of Atoms of the Boron Type

Original Periodical: Lietuvos TSR Mokslu akad. darbai, 1956, B2, 15-19, Lithuanian  
resumé

Abstract: The doublet splitting of the terms of 4 atoms of the boron type is determined in the principal configurations both with the aid of the single-electron wave functions of the Fok self-consistent field, as well as with the aid of the analytic wave function. The theoretical results are compared with the experimental data.

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- 1 -

Martishyus, I T

USSR/ Physical Chemistry - Atom

B-3

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 7132

Author : Glembofskiy, I.I., Martishyus, I.T., Bolotin, A.B.,  
and Yutsis, A.P.

Inst : Academy of Sciences Lithuanian SSR

Title : Theoretical Determination of Fine Structure of Atoms of  
B Type

Orig Pub : Lietuvos TSR mokslu akad. darbai, Tr. AN LitSSR, 1956,  
Vol B2, 15-19 (Lithuanian summary)

Abstract : The doublet splitting of the ground state terms of four  
B type atoms has been calculated both on the basis of  
one-electron wave functions derived from Fock's self-  
consistent field and on the basis of analytical wave  
functions. The theoretical results are compared with  
experimental data.

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L 17990-63

EWI(1)/EWP(q)/EWI(m)/EDS AFFTC/ASD/IJP(C) JD/JG

ACCESSION NR: AT3002107

S/2910/61/001/01-/6097/0100

AUTHOR: Martišius, J. T.

59  
58

TITLE: Fok's self-consistent field in the case of the valence electron 6d of the Lithium atom

SOURCE: AN Lit SSR. Litovskiy fizicheskiy sbornik. v.1, no.1-2, 1961, 97-100

TOPIC TAGS: Lithium, Lithium valence electron, Fok self-consistent field, atomic energy level, Li

ABSTRACT: This theoretical paper is a continuation of studies previously performed by the author, jointly with E. Mausa, A. Jucys, and K. Zukauskas (Vilniaus valstybės universitetas, V. V. U.), Mokslo darbai, v. XI(VI), 1956, 13, and v. XVI(VII), 1957, 45, on the solution of the simplified Fok equation for Lithium-type atoms and on the application of Fok's self-consistent field to the determination of the doublet splitting of the terms of the same type, and by the author and K. Zukauskas (V. V. U., Mokslo darbai, v. XVI(VII), 1957, 37). In the present paper, the simplified method set forth in the first cited reference is employed to solve the equation of Fok's self-consistent field for the valence electron 6d of the Lithium atom. The single-electron radial wave function of

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L 17990-63

ACCESSION NR: AT3002107

Fok's self-consistent field thus obtained is employed to determine the double splitting of the term of the configuration  $1s^2 6d$ . The selection of this configuration of the Li atom is based on the possibility afforded thereby to make a comparison between theoretical and experimental results in this case. Experimental data employed in the present study are taken from C. E. Moore, Atomic Energy Levels, v.1, Nat'l Bu. Stand., Washington, D. C., 1949. Orig. art. has: 3 tables and 1 formula.

ASSOCIATION: Vil'nyusskiy gosudarstvennyy pedagogicheskiy institut (Vilnyus State pedagogic institute)

SUBMITTED: 20Apr61	DATE ACQ: 23Apr63	ENCL: 00
SUB CODE: PH, EL	NO REF SOV: 006	OTHER: 001

Card 2/2

Z/045/63/000/001/002/003  
E024/E309**AUTHOR:** Martišovits, Viktor (Bratislava)**TITLE:** High-frequency mass spectrometer**PERIODICAL:** Matematicko-fyzikálny časopis, no. 1, 1963, 72 - 79

**TEXT:** A description is given of a high-frequency mass spectrometer of the Bennet type with a three-stage analyzer, which can be used for the study of ion formation in gas discharges and determination of the absolute age of minerals by the Ar-K method. The spectrometer contains a hot cathode, 17 grids and a collector. There are two field-free spaces, 5- and 7-cyclic. The spectrometer is tuned to various mass numbers by adjusting the frequency between 2 and 5.2 Mc/s. The motor which adjusts the frequency of the oscillator also moves the paper in the recorder which registers the amplified collector current. The rectified high-frequency voltage is used as a reference for the stabilized retarding potential. This arrangement ensures a constant ratio between these two voltages and thus keeps the resolving power constant. The electron emission current and all other potentials are also stabilized. The grids are fabricated from 10- $\mu$  tungsten wires, brazed 0.2 mm apart

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High-frequency mass spectrometer

Z/045/63/000/001/002/003  
E024/E309

across the aperture of a circular disc. The outer diameter of the disc is 53 mm, the aperture is 30 mm and it is made of molybdenum sheet, 0.55 mm thick. The brazing of the wires to form the grids is achieved by first winding the wire onto a steel frame with suitable notches. The frame is placed on the molybdenum disc, which had been coated with gold solder in a hydrogen atmosphere, and the gold is melted with the aid of a small tungsten heater, again in a hydrogen atmosphere. When the wires are thus brazed they are cut off at the edges of the disc. The critical parameters of the brazing operation are the distance of the heater from the disc, the flow of hydrogen, the temperature of the heater and the duration of the heating. All these parameters were determined experimentally. If desired, two discs can be brazed onto one wire frame in successive operations, so that after cutting the wires two grids are obtained from one frame. The distance of the grids in the analyzer was chosen as 3.57 mm and was obtained with the aid of glass spacers to an accuracy of 0.04 mm. The length of the first field-free space was  $40.95 \pm 0.1$  mm and that of the second was  $60.25 \pm 0.1$  mm. The total length of the spectrometer, exclusive of leads, was 280 mm and its diameter was 70 mm. It is essential that the high-frequency

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High-frequency mass spectrometer .....

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potential should be a pure sine wave. This is achieved by taking the output of the oscillator from a cathode follower. To reduce the Miller effect, two further parallel cathode-followers are used. The high-frequency potential was 8 V. The compensating potential was 16 V. The ratio  $K = U_B / 4.5 U_0 = 0.96$  ( $U_B$  is the potential of the retarding grid and  $U_0$  is the peak value of the high-frequency voltage). With these values a theoretical and experimental resolving power of about 27 is obtained. The sensitivity for  $^{36}\text{Ar}$  is  $2 \times 10^{-2}$  vol.%. At a total pressure of  $10^{-5}$  torr, a partial pressure of  $8 \times 10^{-9}$  torr of Ar, corresponding to an ion current of about  $10^{-13}$  A, can be measured.

## ASSOCIATION:

Katedra experimentálnej fyziky Prírodovedeckej fakulty Univerzity Komenského v Bratislave  
(Department of Experimental Physics, Division of Natural Science, Komensky University, Bratislava)

## SUBMITTED:

August 10, 1962.

Card 3/3



KURILOVA, L.M.; MARTKOFLISHVILI, M.D.

Characteristics of reflex reactions in the thermoreceptors of febrile patients. Biul. eksp. biol. i med. 55 no.2:31-34 F'63. (MIRA 16:6)

1. Iz laboratorii fiziologii i patologii organov chuvstv (zav. - prof. P.G.Snyakin) Instiuta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Pash) AN SSSR i kafedry patologii i kliniki vnutrennikh bolezney (zav. - prof. N.A.Ali'kov) Moskovskogo meditsinskogo stomatologicheskogo in-ta.  
(RECEPTORS (THERMOLOGY)) (FEVER)

MARTKOVICH, A.

Analysis of fractures in marine engine crankshafts caused by torsional vibrations. Mor.flot 19 no.1:12-13 Ja '59. (MIRA 12:3)

1. Starshiy inzhener-inspektor Pribaltiyskoy inspeksii Registra SSSR.  
(Marine engines) (Crankshafts--Testing)

MARTKOVICH, A.B.

Flushing sand.. Neftianik 6 no.10:10-12 C '61.

(MIRA 14:10)

1. Nachal'nik otдела peredovykh metodov truda v podzemnom remonte skvazhin Normativno-issledovatel'skoy stantsii Aznefti.

(Oil well drilling)

MARTKOVICH, A.

Foreman Abdullaev. Neftianik 7 no.1:15-16 Ja. '62.

(MIRA 15:2)

1. Nachal'nik otdela normativno-issledovatel'skikh stantsiy Gosudarstvennogo ob'yedineniya Azerbaydzhanskoy neftyanoy promyshlennosti.

(Azerbaijan)

MARTKOVICH, A.

New alloy for stamps. Neftianik 7 no.5:12 My '62. (MIRA 15:12)  
(Oil wells—Equipment and supplies)

MARTKOVICH, A.

Establishment of standard time norms in the petroleum industry.  
Sots.trud. 7 no.6:82-86 Je '62. (MIRA 16:2)  
(Petroleum industry--Production standards)  
(Time study)

~~MARTMA O-V.~~

Accelerated method for cultivating *Mycobacterium tuberculosis*.  
Veterinariia 35 no.3:74-76 Mr '58. (MIRA 11:3)

1. Estonskiy nauchno-issledovatel'skiy institut zhivotnovodstva i  
veterinarii.  
(*Mycobacterium tuberculosis*)

MARTHA, C. V., Cand Vet Sci -- (diss) "Comparative study of diagnostic methods in the battle with tuberculosis in large cattle." Tartu, 1960. 23 pp; 1 page of illustrations; (Estonian Agricultural Academy) 100 copies; free; (KL, 22-6, 142)



L 51092-65 EWT(1)/EWT(m)/EWP(j)/T/EEC(b)-2 Po-4/Pg-4/P1-4 IJP(a) RM

ACCESSION NR: AP5015469

CZ/0030/64/000/008/0240/0243

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AUTHOR: Cabak, I.; Martoch, A.; Stupkova, A.

TITLE: Determination of the transmittance of plastic fibers 15

SOURCE: Jemna mechanika a optika, no. 8, 1964, 240-243

TOPIC TAGS: synthetic material, fiber optics 21

Abstract [Authors' English summary, modified]: Discussed is the plastic-fiber optics and its application in science and industry. Methods are described (transmittance measurement of fibers by measuring the photocurrent with a galvanometer and by means of a double-ray oscilloscope) of determining the possibility of using macromolecular matters in fiber optics. Compared are results obtained in polymethacrylate and polyamide fibers. Three references. Orig. art. has 3 figures, 10 formulas, 4 graphs, and 2 tables.

ASSOCIATION: Katedra experimentalni fyziky UP, Olomouc (Department of Experimental Physics UP)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, OP

NO REF SOV: 000

OTHER: 003

JPRS

Card 1/1

KOZYREV, A.A., prof.; MARTOCHKINA, G.A.

Ovarian hemorrhage combined with acute appendicitis. Khirurgiya  
Supplement:38 '57. (MIRA 11:4)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Kubanskogo meditsin-  
skogo instituta.

(APPENDICITIS) (OVARIES--DISEASES) (HEMORRHAGE)

MARTOCHKINA, G. A.

Replacement of the ureter with an isolated loop of small intestine.  
Urologiia no.3:32-33 '61. (MIRA 14:12)

1. Iz urologicheskoy kliniki (zav. - zaslužennyy deyatel' nauki  
prof. A. P. Frumkin) Tsentral'nogo instituta usovershenstvovaniya  
vrachey na baze Moskovskoy klinicheskoy bol'nitsy imeni S. P.  
Botkina.

(URETERS—SURGERY) (INTESTINES—TRANSPLANTATION)

35344

S/194/62/000/00 063 066  
D201/D305

9.8200 (also 2305)

AUTHOR: Martokh, Yirkhi

TITLE: The Tesla KNK6 transistorized short-distance telecommunication system. The Tesla KNK6 short-distance transistorized telecommunication installation

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika no. 1, 1962, abstract 1-8-3 i (Kovo export (CSR), 1967, no. 7, 17-22)

TEXT: A description of a 6-channel HF telephony equipment for short distance lines (economical for distances of 10 - 20 km) is given. The linear equipment spectrum occupies a frequency band from 12 to 124 kc/s; group A - the frequency band from 16 to 60 kc/s and group B the band from 76 to 120 kc/s. The actually transmitted channel frequency band is 300 - 3400 c/s, the 3850 c/s frequency being used for signalling. To simplify filter circuitry the carriers are spaced by 8 kc/s. The system uses the speech signals compounding and it may thus be used with unpupinized AF cables without

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The Tesla KNK6 ...

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D201/D305

additional HF characteristic equalization. The equipment is transistorized and has printed circuits. An automatic switchover from a 2-wire to a 4-wire line, operated by a switchboard operator, is incorporated. The finished equipment is manufactured as a console on which are placed the individual and group units together with the auxiliary equipment for 24 channels. The IF amplifiers are hermetically sealed. A bloc-diagram of the equipment and its electrical and structural characteristics are given. /-Abstracter's note: Complete translation. /

X

Card 2/2

MARTON, Adam

Some applications of correlation calculus in the sugar industry. Cukor 11 no.5:131-135 My'58

1. Cukoripari Kutatointezet.

*Processing*  
Abs. Jour : Ref Zhur-Khimiya, No 11, 1959, No 51321  
*Marton, A.*  
Author : Magyar, K.; Marton, A.  
Institute : -  
Title : Comparison of Filtering Rates Obtained on the  
Dedek's Microfilter With Those Obtained on the  
Silin's Apparatus.  
Orig Pub. : Cukoripar, 1958, 11, No 9, 240-243  
Abstract : In the simultaneous determination of filter  
rates, a correlational dependence was estab-  
lished between the filtration coefficient by  
the Dedek's method and the filtration rate  
by the Silin's method. Silin's apparatus  
results in a considerable error in the tes-  
ting of readily filtering liquors, while  
Dedek's of slowly filtering liquors.  
-- G. Yudkovich

Card: 1/1

H-137

WARDEN, A.; FINE, J.

Evolution of sugar beets in 1956 and 1957 and estimation of beet evolution.  
p. 268.

CUKORIPARI. (Mezőgazdasági és Élelmiszeripari Tudományos Egyesület.  
Cukoripari Szakosztály) Budapest, Hungary, Vol. 11, No. 10, Oct. 1958.

Monthly list of East European Accessions (ERA) 10, Vol. 9, No. 7, Jul. 1959.  
Uncls.



MARTON, Adam

"Construction of index numbers of foreign trade; some comments"  
by J.B.D. Derksen. Reviewed by Adam Marton. Stat szemle 38  
no.4:451-452 Ap '60.

MARTON, Adam

Problems of mechanical data processing related to foreign  
trade price-index computations. Stat sœmle 40 no.3:286-  
298 Mr '62.

MARTON, Adam, foeloado

Role of prices in evaluating foreign trade achievements by  
countries. Stat szemle 41 no.6:610-625 Je '63.

1. Kozponti Statisztikai Hivatal.

MARTON, B.

Poultry farming in Nyirseg. p. 81.  
Discussion of the candidate thesis of Marton Pecsí "Formation of the Hungarian  
Section of the Danube Valley." p. 113.

FOLDRAJZI ERTESITO. (Magyar Tudományos Akadémia. Foldrajztudományi Kutatócsoport)  
Budapest, Hungary. Vol. 8, no. 1, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959  
uncla.

MARTON, Bela, dr.

Nyrseg, a region in Bihar County. Elet tud 15 no.27:842-845  
3 JI '60.

MARTON, Bela, dr.

Hills of Sokoro. Elet tud 16 no.16:491-494 16 Ap '61.

MARTON, Bela, dr.

Nepal, birthplace of Buddha. Elet tud 17 no.26:814-818 1 J1  
'62.

MARTON, Bela, dr

Taktakoz, a region in Hungary. Elet tud 18 no.5:142-146 3 P '63.



MARTON, Bela, dr. (Debrecen)

Nepal. Term tud kozl 5 no.8:361-363 Ag '61.

MARTON, Bela, dr.

Borneo. Elet tud 18 no.45:1422-1426 10 N '63.

MARTON, Bela, egyetemi tanar

Harangod and Taktakoz; regions in Hungary. Borsod szemle 8  
no.1:21-26 '64.

MARTON, Bela, dr.

Harangod, a region in Hungary. Diet tud 19 nr. 44. 2680-2085  
30 0 '64.

MARTON, Bela, dr.

The Szatmar-Bereg Plain. Elet tud 20 no.8: 358-363 26 F 165.

~~SECRET~~

ARTICLE, ...; ... .. owing acid and slow in ... with low ...  
... .. (to ... ..)

Vol. 2, No. 3, Apr. 1964.  
JOURNAL OF ... ..  
TECHNOLOGY  
Subject, ... ..

See: Last ... .. Accession, Vol. 1, No. 1, Apr. 1964



MARTIN, D.; SASPI, I.

MARTIN, D.; SASPI, I.  
Mechanization of conveying materials in the leather industry.  
(To be contd.) p. 117

Vol. 5, No. 5, Oct. 1955 Budapest, Hungary CR-ED 0118-11111111

SO: Monthly List of East European Accessions, (ELAD), 13, Vol. 7  
No. 3, March, 1956



MAPPA, I.; SOCHI, I.

MAPPA, I.; SOCHI, I. Declaration of the convergence of interests in the leather industry. 1961.

Vol. 6, No. 1, 1961.  
ICR - S CIH TICHNIA.  
TECHNOLOGY  
Budapest, Hungary

So: East European Accessions, Vol. 6, No. 1, 1961

NISTOR, C., ing.; MARTON, D., ing.

Mobilization of the internal reserves for an integral utilization of the existing production capacities. Ind alim. veget 13 no.3:65-70 Nr '62.

1. Fabrica de ulei "Birnicul", Bucuresti.

NEMETH, Bela; MARTON, Dezso; TOT, Pal; KUGLER, Stefania

Apropos of the conservative treatment of lacrimal duct diseases. Szemesztet 101 no.2:80-83 Je'64

1. Pestmegyeri Tanacs Semmelweis Korhaza (Igazgato:Szematsik, Jeno, dr.) Szemosztalyanak (Forvos: Nemeth, Bela, az orvostudomanyok kardidatusa) kozlemenye.

HUNGARY

MARTON, Dezso, Dr., TOZSER, Erzsébet, Dr.; Veszprem Megye Hospital, Ophthalmological Ward (chief physician: MARTON, Dezso, Dr) (Veszprem Megyei Korhaz, Szemeszeti Osztaly).

"Ophthalmological Side Effects of Certain Drugs With Special Attention to the Hungarian Traffic Regulations on Public Highways (KRESZ)."

Budapest, Orvosi Hetilap, Vol 107, No 33, 14 Aug 66, pages 1559-1560.

Abstract: [Authors' Hungarian summary] The conditions required for driver's license, as stated in paragraph 46 (3) of KRESZ, are described. A comparison is made between ophthalmological symptoms which can be seen in some cases of alcohol intoxication and in response to certain drugs. In the interest of accident-free traffic, informative and orientational work as well as official regulations are recommended. 2 Hungarian, 8 Western references.

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- 38 -

Marton, E.

✓113. Experimental data on oxidation dyes. I. Ruszák,  
E. Marton. *Magyar Textiltechnika*, 1955, No. 8, pp.  
285-287, 4 tabs.

*chem*

The article deals with the sources of fibre damage caused by oxidation dyestuffs and with the possibilities of overcoming them. Salts formed by aniline with organic acids were prepared and the quality of the oxidizing agent, the temperature and time of oxidation and the catalyst were varied. Fibre degradation was evaluated by breaking strength tests. In the absence of mineral acids black colour did not develop. After the experiments with aniline salts tests were carried out with derivatives from which mineral acid is liberated during the oxidation but only to the degree necessary for oxidation. The salts of aromatic amines with sulphamic acid were selected for this purpose, however only in a pure state can they be used without causing fibre damages. The raw product contains impurities from which acid is liberated during the hydrolysis thereby causing fibre degradation. During the course of the experiments with *p*-toluyl-sulphamic acid the authors also prepared the pigment itself and investigated whether this pigment could be used directly for printing. In respect to particle size the pigment was found to meet the requirements. The fastness of the printed samples was satisfactory.

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Journal of Chemical Technology. Chemical Products of  
Their Ureas. Part III. U. urea. Synthesis  
of Dyes.

Abs Jour : Ref Zhur-Khizim, 15, 1970, 51230

Author : Rusznak, J., Harsanyi, E., Salló, I., Szeké, G.

Instit : -  
Title : Phthalocyanine Derivatives and Their Sulfate-  
Derivatives.

Orig Pub : Magyar Textiltechn., 1970, No 9, 325-327

Abstract : Processes for preparation of AlCl<sub>3</sub>-phthalocyanine (I) and its sulfonated derivatives were investigated. A mixture of 54 g of phthalic anhydride, 67.5 g urea, 1.25 g Ni-nopolat, 27 g Na<sub>2</sub>PO<sub>4</sub> and 250 g C<sub>6</sub>H<sub>5</sub>Cl<sub>3</sub> was carefully heated until mol-

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HUNGARY/Chemical Technology. Chemical Products and Their Uses. Part III. Industrial Synthesis of Dyes. II

Abstr Jour : Ref Zhur-Khimiya, No 15, 1958, 51280

ting, at which time a mixture of 15 g  $AlCl_3$  and 25 g  $CaCl_2$  was gradually added. The reacting mass was maintained in a homogeneous state, was heated to 200-205° and stirred for six hours at 200-205°. The color changed from green to greenish-blue. Subsequently, 27 g of urea and 50 g  $C_6H_5Cl_3$  were added, the mixture was stirred for another five hours and  $C_6H_5Cl_3$  was driven off by water vapor. The residue was mixed with hot water from which it was filtered. Impurities were extracted from the ground, crude I with alcohol. The

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HUNGARY/Chemical Technology. Chemical Products and Their Uses. Part III. Industrial Synthesis of Dyes. H

Abstr Jour : Ref Zhur-Khimiya, No 15, 1953, 51280

residue was washed with hot water, 2N HCl, hot water, 2N NaOH, and hot water and then dried. Dry pigment was gradually introduced into 1400 g of cold concentrated H<sub>2</sub>SO<sub>4</sub>. The mixture was agitated for 10 hours, poured into water, stirred for 4-5 hours, and finally filtered. The residue was again suspended in 2.5 l of water, to which subsequently 100 g of concentrated NaOH were added. The mixture was stirred for 1 hour, then filtered. Thus, purified I was finally washed. Twenty g of Co-phthalocyanine (II) was

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HUNGARY/Chemical Technology. Chemical Products and Their Uses. Part III. Industrial Synthesis of Dyes.

Abs Jour : Rab Khim-Khiziy., 1958, 51280

introduced into 200 g of 33 percent oleum in the course of 1-1.5 hours. The mixture was thus sulfonated for 12 hours at 40-50 . Upon the termination of reaction, the resulting products were poured into 400 g of ice-water mixture. In 4-5 hours, the sulfonated II was filtered and rewashed with water. -- V. Ufintsev

Card : 4/4

~~WIRE~~ MARTON, E.

Distr: 4E3d/4E2c(j)

Preparation and separation of chlorinated benzene derivatives of high boiling point. István Rusznák, Endre Marton, and György Baktay (Műszaki Egyetem, Budapest). Magyar Kem. Lapja 11, 123-5(1956).—Distn. by-products of the monochlorobenzene manuf. were studied with the purpose of developing a method for the sepn. of 1,2,4-trichlorobenzene (I) for the prepn. of phthalocyanine. The material contains ~59% Cl. It was distd. in vacuo (19 mm. Hg) at 32-80° to obtain the light portion; at the latter temp. p-dichlorobenzene pptd. At 81-152° the high-boiling portion was obtained. Both portions were then redistd. at atm. pressure. The light portion contained no I, the high-boiling portion contained ~60%. As the high-boiling portcion represents 26% of the total distillate, it was attempted to increase I yield by chlorinating the light portion. Fe catalyst was used and the chlorination was conducted at 20-30° until sp. gr. reached 1.220 (20°) and at 55-65° until it reached 1.335 (50°). The I yield can be further increased by continuing the chlorination until reaching the sp. gr. 1.460 (50°). G. J. Ernyei

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(Retyped clipped abstract)

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MARTON, E.

TECHNOLOGY

Periodical LEKA PROMISHLENOST. Tekstil. Vol. 7, no. 9, 1958.

MARTON, E. Shuttless ribbon looms. p. 19.

Monthly List of East European Accessions (MEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

MARTON, Erikh, inzh.

Directions for the technical progress of silk weaving mills  
in Bulgaria. Tekstilna prom 12 no. 6:19-21 '63.

STETIU, G.; MARTON, E.

Determination of some basic principles in the study of  
the rectification process by abrasive tools. Bul stiant  
polit Cluj no.5:407-426 '62.

HABER, Jozsef, dr.; MARTON, Erzsebet, dr.

Arteriosclerosis and tuberculosis. Tuberkulozis 16 no.1:25-28 Ja '63.

1. A Pecszi Orvostudományi Egyetem I. sz. Belklinika-ja közleménye.  
(ARTERIOSCLEROSIS) (TUBERCULOSIS) (AUTOPSY)

ADAM, Toma; MARTON, Gede.

In the country of our friends. Izobr.i rats. no.8:62  
Ag '60. (MIHA 13:7)  
(Hungary--Technological innovations)

MARTON, Geza; FRENYO, Vilmos

Preliminary experiments to prevent the bad abscission of alfalfa.  
Botan.kozl 47 no.3/4:255-260 '58.

1. Agratudományi Egyetem, Godollo.



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9, no.2, Feb. 1960

Incl.

MARTON, Geza. okl. gépészmérnök

Some labor aspects of the profitability of coal mining. Bany lap 93 no.  
7:471-481. J1'60.

1. Fosztalyvezeto, Nehezipari Miniszterium, Munkasugyek Fosztalya.

MARTON, Geza; DOBRONYI, Laszlo, dr.

Revision of the wage system in the mining industry. Munka szemle 1961.  
5-9 F '61.

1. "Munkaugyi Szemle" szerkeszto bizottsagi tagja (for Marton).

MARTON, Gáza, okl. gépészmérnök; DOBRONYI, László, dr.

Revision of bargains in the mining; general situation and guiding principles relating to territorial measures. Bany lap 94 no.4: 248-253 Ap '61.

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(Hungary---Mineral industries)

MARKON, Gherasim  
SURNAME, Given Names

Country: Romania

Academic Degrees: Candidate in Science

Affiliation: Center of Photogrammetry of the Ministry of Agriculture (Central  
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SPG 4811-3

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BUSUIOC, V.

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MARTON, Gherasim, candidate for affiliate

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1. Doctors. 2. Third Department (Head -- Dr. Mihaly Gerendas), Pharmaceutical Industry Research Institute; First Surgical Clinic (Director -- Prof. Gyula Sebesteny), Budapest Medical University.

MARTON G

DANIEL, G.; KOS, R.; MARTON, G.

Experimental studies and clinical experiences with intranarcon. *Orv. hetil.* 93 no. 42:1201-1205 19 Oct 1952. (GLML 23:5)

1. First Surgical Clinic (Director -- Prof. Dr. Gyula Sebesteny),  
Budapest Medical University.

MARTON, G.

ERDELYI, N.; MARTON, G.

Epiphrenic changes: some aspects of differential diagnosis and their surgical significance. Acta med. hung. 6 no.1-2:13-27 1954.

1. 1st Department of Surgery, University Medical School, Budapest.  
(DIAPHRAGM, dis.  
differ. diag., artif. pneumoperitoneum & pneumothorax)  
(PNEUMOPERITONEUM, ARTIFICIAL  
differ. diag. of diaphragmatic changes)  
(PNEUMOTHORAX, ARTIFICIAL  
differ. diag. of diaphragmatic changes)

MARTON, Gyorgy, dr.

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EXCERPTA MEDICA Sec 9 Vol 13/6 Surgery June 59

3182. THORACIC INJURIES - Über einige Fragen der thorakalen Verletzungen -  
Marton Gy. IV. Chir. Klin., Med. Univ., Budapest - ZBL. CHIR. 1958,  
83/21 (1099-1110) Graphs 2 Tables 1 Illus. 6

From the viewpoint of operability 3 categories are distinguished. The following technical observations are made: (1) In intrathoracic operations it is often important to adapt the patient's position to the direction and other characteristics of the injury. (2) In major myocardial defects, implantation of a free muscular flap is recommended. (3) In injuries close to a coronary vessel the use of a mattress suture seems efficacious to prevent ischaemia. (4) For treatment of pulmonary injuries ligation is unsuitable; only sutures should be applied. (5) In view of the relatively important reduction of the respiratory function in mild injuries treated conservatively or semisurgically, the question arises whether it would not be more efficacious to employ surgical evacuation.

*N*  
MARTON, Gyorgy, Dr.; SARKOZY, Karoly, Dr.

lung cancer and partial resections. Orv. hetil. 99 no.2:45-48 12 Jan 58.

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(PNEUMONECTOMY, in various dis.

cancer of lung. indic. for partial resection (Hun))

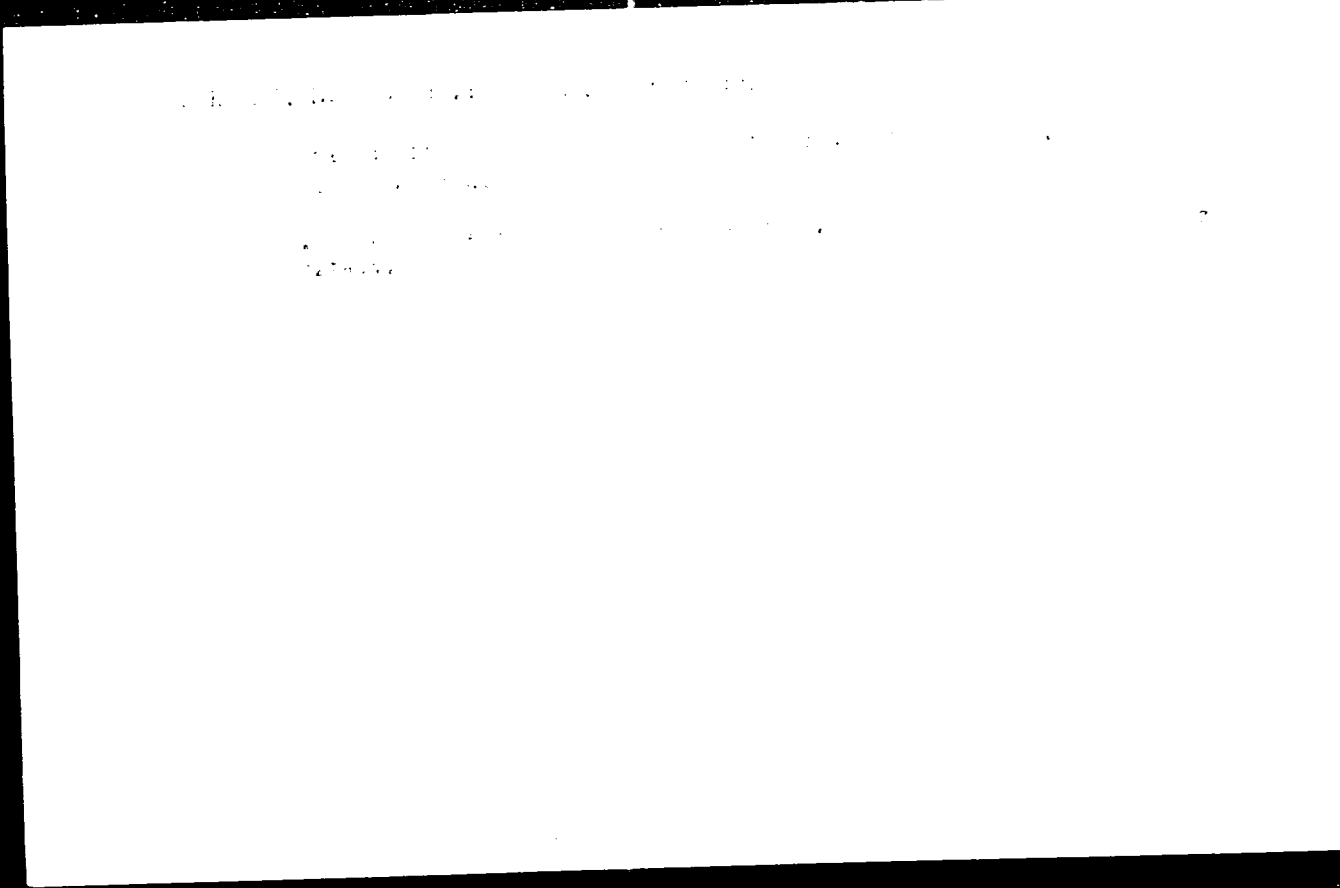
MARTON, Gyorgy, foovos

Development and present stand of lung surgery. Borsod szemle  
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MARTON, Gyorgy

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HUNGARY

MARTON, Gyorgy, Dr; City Tb Sanitarium (director-chief physician: KARLOCS, Kalman, Dr), Department of Pulmonary Surgery (chief physician: MARTON, Gyorgy, Dr) (Varosi Tbc. Gyogyintezet, Tudosebeszeti Osztaly), Miskolc.

"On Lung Carcinoma in Young Adults."

Budapest, Orvosi Hetilap, Vol 107, No 35, 28 Aug 66, pages 1647-1649.

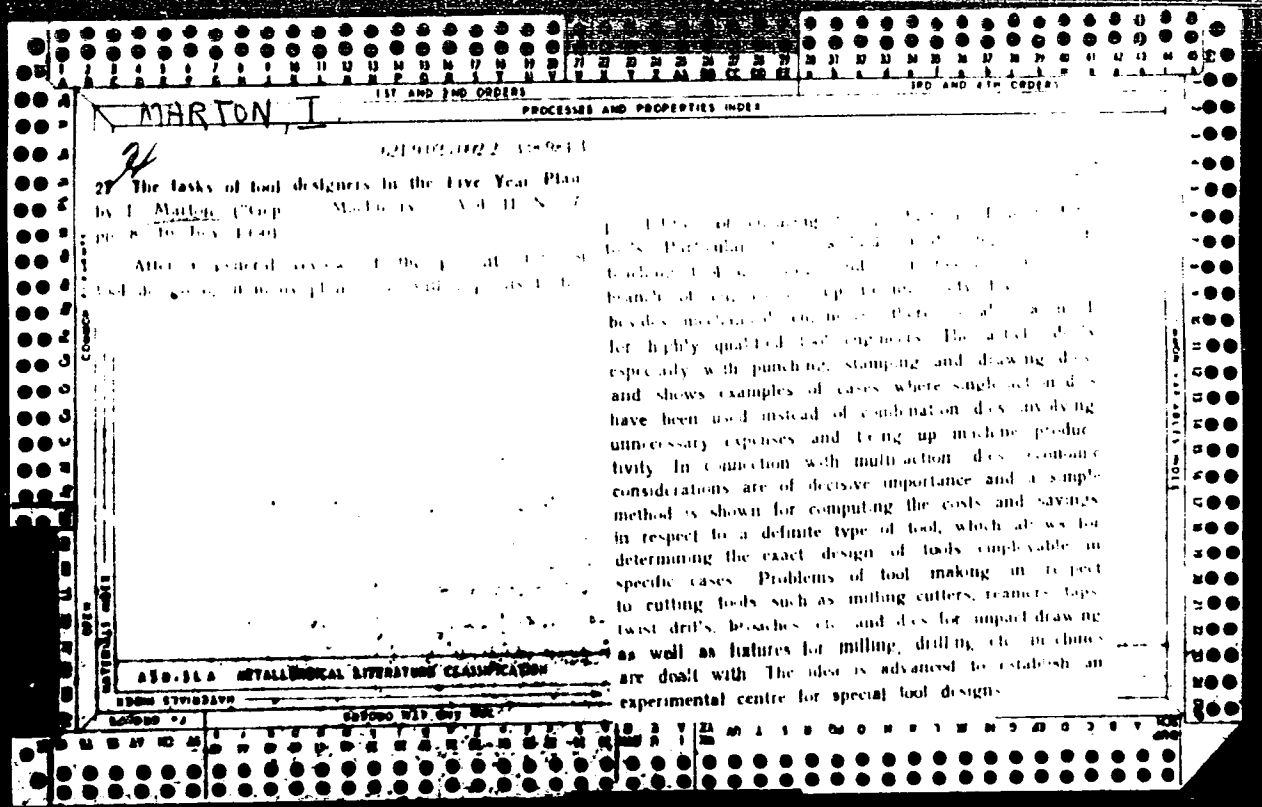
Abstract: [Author's Hungarian summary] Based on the evaluation of the data of 16 young (under 40 years of age) patients with lung carcinoma, the diagnostic and therapeutic problems are discussed along with the results of an early evaluation of the cases which were operated on and of the conclusions which can be arrived at. 7 Eastern European, 7 Western references.

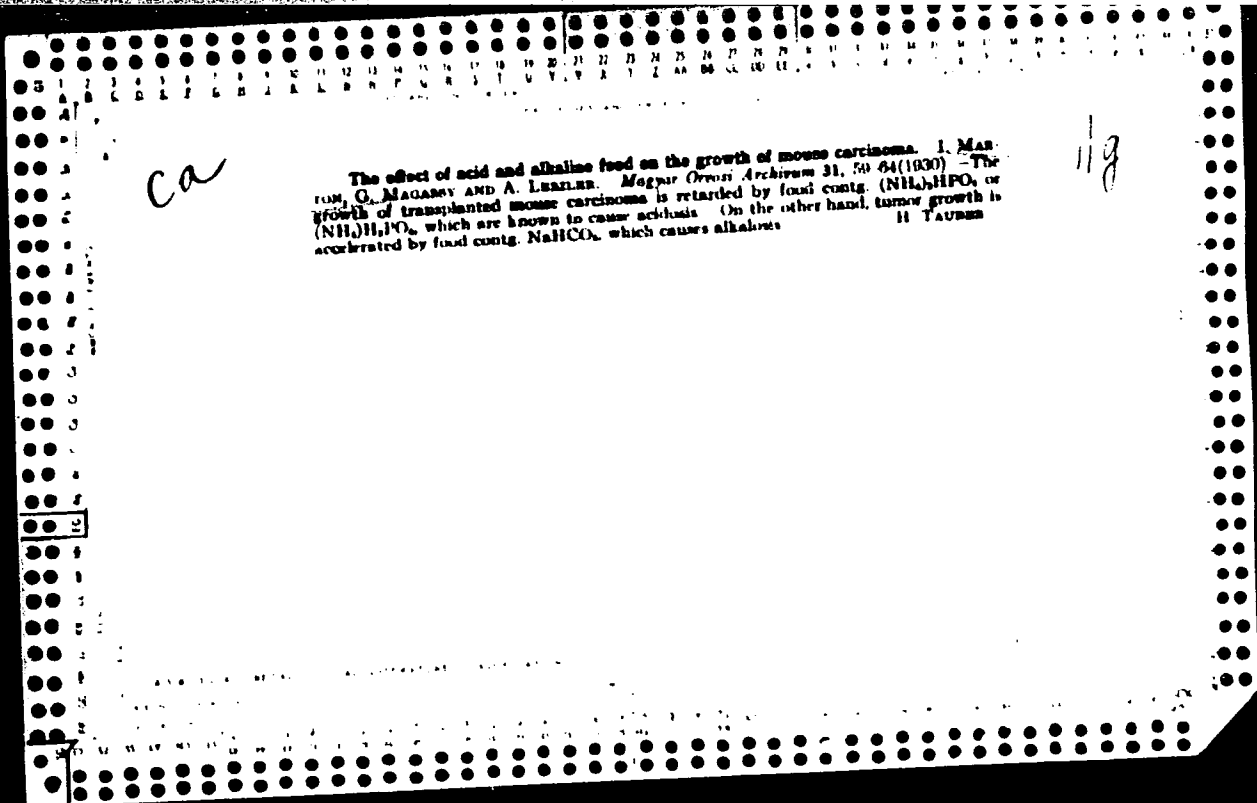
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Structure of the Sulzer weaving machine. p. 25

TEKSTILNA PROMISHLENOST. (Ministerstvo na lekata promishlenost) Sofia, Bulgaria.  
Vol. 8, no. 7, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 7, 1959 Nov.  
Uncl.





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MARTON, Istvan, dr.; TORNYOS, Karoly, dr.

Effects of changes in the effectively circulating blood volume on renal salt excretion and diuresis in normal state and in decompensated heart diseases. Magy. belorv. arch. 9 no.4:97-104 Aug 56.

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(CONGESTIVE HEART FAILURE, compl.  
edema, eff. of changes in circulating blood volume on renal salt excretion & diuresis (Hun))

MARTON, I.

Effect of change of the effective circulating blood volume on renal salt excretion and diuresis by normal men and patients with decompensated heart disease: Gy. Szabo, K. Foldi, P. Sotli, J. Rév, I. Márton, and K. Tornyo (N. Clinic, Budapest). *Acta Med. Acad. Sci. Hung.* 10: 1-14 (1956) (in German). — In normal men, reduction of circulating blood vol. reduced the glomerular filtration rate and water and salt excretion. Stimulation of circulation increased the filtration rate and excretion. Patients with decompensated heart disease and edema reacted in the

opposite way; increasing the circulating blood flow decreased the filtration rate and the excretion of water and salts and decreasing the flow increased the rate and excretion. Cf. following abstract. H. L. Williams



MARTON, I

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(Igazgató: Ruzsnyák István dr. egyetemi tanár) közleménye.

(ADDISON'S DISEASE, physiol.  
eff. of decrease in effectively circulating blood  
volume on renal funct. (Hun))

(KIDNEYS, in various dis.  
Addison's dis., eff. of decrease in effectively cir-  
culating blood volume on funct. (Hun))

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(ADDISON'S DISEASE, physiol.

eff. of reduction of effective circulating blood volume on renal funct.)

(BLOOD VOLUME

eff. of reduction of effective circulating blood volume on renal funct. in Addison's dis.)

(KIDNEYS, in various dis.

Addison's dis., eff. of reduction of effective circulating blood volume on funct.)

MARTON, I.

Conference of collective farm builders. Sel'. stroi. 11 no.4:19  
'56 [i.e. '57]. (MLBA 10:6)

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rayona, Checheno-Ingushskoy ASSR.  
(Chechen-Ingush A.S.S.R.--Building trades--Study and Teaching)

MAGYAR, Imre; MARTON, Istvan

Insulin resistance. *Magy. belorv. arch.* 11 no.2-3:37-42 Apr-June 58.

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(DIABETES MELLITUS, case reports

periodic insulin resist. in diabetes mellitus with  
splenomegaly & liver cirrhosis (Hun))

(SPLENOMEGALY, case reports

same)

(LIVER CIRRHOSIS, case reports

same)

(PERIODICITY

same)

SOLTI, F.; MARTON, I.; TAKACS, F.

The role of the central nervous system in the arrhythmias caused by strophanthin-ephedrine. Acta med. hung. 12 no.3-4:285-294 1958.

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(ARRHYTHMIA, exper.

induced by ephedrine & strophanthin, role of CNS in prod. in dogs.)

(EPHEDRINE, effects

arrhythm induction with strophanthin, role of CNS in prod. in dogs.)

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arrhythmia induction with ephedrine, role of CNS in prod. in dogs)

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The effect of strophanthin on the secretion of sweat. Acta med.  
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on potassium & sodium excretion in sweat)  
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potassium & sodium excretion, eff. of strophanthin)

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The effect of dibenamine on the increased excretion of water, sodium and potassium in sweat caused by strophanthin. Acta med. hung. 12 no.3-4:305-309 1958.

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on potassium & sodium excretion in sweat after  
dibenamine admin.)
  - (SYMPATHOLYTICS, effects  
dibenamine on strophamthin-induced changes in  
potassium & sodium excretion in sweat.)
  - (SWEAT  
potassium & sodium excretion, eff. of strophanthin  
after dibenamine admin.)

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on cerebral circ. & potassium metab. in dogs)
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strophanthin on circ. & potassium metab. in dogs)
  - (POTASSIUM, metab.  
brain, eff. of strophanthin in dogs)



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KERTAI, Pal, Dr.

Mechanism of action of oral antidiabetics. Orv. hetil. 99 no.26:885-  
889 29 June 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikájának (i.az.gato:  
Rusznayk Istvan dr. egyet. tanar) közleménye.

(ANTIDIABETICS

carbutamide & tolbutamide, mechanism of action (Hung))

SOLTI, F.; MARTON, I.; HERMANN, R.; ISKUM, M.; Technikai munkatars: Takacs, F.

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(SODIUM blood)  
(ELECTROCARDIOGRAPHY)  
(BLOOD CIRCULATION)

SOLTI, F.; MARTON, I.; HERMANN, R.; PAPP, M.; REV, J.

The role of the central nervous system in the electrocardiographic and circulatory changes caused by nicotine. Acta med. hung. 16 no.1:99-110 '60.

1. 1 st Department of Medicine, University Medical School,  
Budapest (Director L prof. I Rusznyak)  
(ELECTROCARDIOGRAPHY)  
(CENTRAL NERVOUS SYSTEM physiol)  
(NICOTININE pharmacol)  
(BLOOD CIRCULATION pharmacol)

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Changes in the ECG and blood circulation after the increase of  
sodium in the blood serum and mechanisms of their appearance.  
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1. Medizinische Universitätsklinik, Budapest.  
(SODIUM blood)  
(ELECTROCARDIOGRAPHY)  
(BLOOD CIRCULATION)

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(BLOOD CIRCULATION *physiol*)  
(ELECTROCARDIOGRAPHY)

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EKG and blood circulation changes in modified tomus of walls of the small intestine and gallbladder. Acta physiol. acad. sci. hung. 20 no.4:393-403 '61.

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(ELECTROCARDIOGRAPHY) (BLOOD CIRCULATION physiol)  
(INTESTINE SMALL physiol) (GALLBLADDER physiol)

MAGYAR, Imre, dr.; MARTON, Istvan, dr.

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(LIVER FUNCTION TESTS)

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On the changes in postoperative Na, K values and water metabolism.  
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Chirurgische Klinik (Direktor: Prof. Dr. Dr. h. c. E. Hedri) der Medi-  
zinischen Universität, Budapest.

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SOLT1, F.; MARTON, I.; ISKUM, M.; HERMANN, R.

Role of the central nervous system in the appearance of ECG and circulatory changes caused by hypopotassemia. Kiserl. orvostud. 14 no.1:91-99 Mr '62.

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(POTASSIUM defic) (ELECTROCARDIOGRAPHY)  
(CENTRAL NERVOUS SYSTEM physiol) (BLOOD CIRCULATION)

SOLTI, F., dr.; MARTON, I., dr.; technikal munkatars: TAKACS, Ferenc

Investigations concerning the effect of strophantin acting through the central nervous system on ECG and heart function. Magy. belorv. arch. 15 no.4:133-143 Ag '62.

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(STROPHANTINE) (ELECTROCARDIOGRAPHY) (HEART)

SOLTI, F.; MARTON, I.; ISKUM, M.; HERMANN, R.

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(CENTRAL NERVOUS SYSTEM physiology)  
(POTASSIUM blood) (ELECTROCARDIOGRAPHY)  
(BLOOD CIRCULATION)

MAGYAR, Imre, dr.; MARTON, Istvan, dr.

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no.24:1123-1124 17 Je '62.

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(PREDNISOLONE pharmacol)  
(BLOOD SUGAR pharmacol)  
(DIABETES MELLITUS diag)