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Laszlo, A.

3000

1073. NEW APPROACHES TO PETROLEUM REFINING PROCESSES. V. CONTINUOUS CHROMATOGRAPHIC SEPARATION OF GASES. Laszlo, A. (Mag. Tud. Akad. Kem. Tud. Osztalyanak Kozlemenyei, 1954, vol. 4, 107-110; abstr. in Chem. Abstr., 1956, vol. 50, 2153). The "Hypersorption" method reduces the requirements for activated charcoal, steam and current for the separation of benzene from city gas to about 1/10 of the amount required by the old batch process.

C.A.

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LASZLO, A

Continuous gas chromatography. I. Recovery of pure acetylene from the tail gas of the partial oxidation of methane. Mihály Freund, Pál Benedek, Antal László, and László Szepesy (Inst. Research Mineral Oils and Nat. Gas, Budapest). *Acta Chim. Acad. Sci. Hung.* 14, 3-18(1958)(in English).—It was found that gas chromatography was suitable for recovery of pure C_2H_2 from the gas obtained by partial oxidation of CH_4 which contains C_2H_2 6-9, CO_2 4-6, CH_4 4-6, CO about 25, and H about 50%. Expts. were carried out in a lab. and in a pilot plant unit with a capacity of 1.25 kg. and 215 kg./hr. activated C, resp. Activated C was introduced into the column at the top and allowed to move down at a controlled rate. The feed gas passed through the adsorption section above the feed inlet counter-current to the activated C, which adsorbed all the C_2H_2 and part of the CO_2. Gas free from C_2H_2 was withdrawn as overhead product. In the rectification section, below the feed inlet, CO_2 was released. In the desorption section, the C was heated with Dowtherm to 280° (the lab. unit was heated electrically to 400° max.), and C_2H_2 was released as bottom product, with the aid of steam. In the pilot plant unit, the C was pneumatically transported to the top of the column; in the lab. unit this was done manually. Material balances are given for both units. Capacity, desorption, temp., pressure, and concn. distributions and specifications for the activated C are discussed. Attrition loss was about 0.02-0.025% per cycle. II. Investigation of the dynamic adsorption on fixed and moving carbon beds. Pál Benedek and László Szepesy. *Ibid.* 19-29.—The effect of the flow rate, the C_2H_2 concn., the presence of CO_2, and the moisture content of the C on the dynamic adsorption of C_2H_2 was investigated in fixed bed expts. The conclusion that the C velocity should be equal to the advancing velocity of the working front, and that the height of the adsorption zone above the gas inlet should be greater than the length of the working zone, was verified in the lab. app. with moving bed described in part I. III. Investigations of the adsorption equilibriums of acetylene-carbon dioxide mixtures. *Ibid.* 31-41.—The isotherms for the pure components were investigated with activated C under dynamic conditions. The gas adsorbate equil. curve was then studied over the whole range of compns. The factor α, characterizing the sepn., was found to be const. and independent of the gas compn. The correlation $N_a/N_a^0 = N_b/N_b^0 = 1$, where N_a and N_b are the amts. adsorbed from the mixt., and N_a^0 and N_b^0 the amts. of the pure components a and b, at the total pressure of the mixt. at the same temp. (in moles/kg.), and α were used to arrive at the equation $N = N_a + N_b = N_a^0/[1 + (\beta - 1)x]$, in which $\beta = N_b^0/N_a^0$ and x is the mole fraction of the component of lower adsorbability in the adsorbed phase. This equation was used to design the chromatographic column. IV. Design of a continuous chromatographic column for the separation of binary mixtures. Pál Benedek, László Szepesy, and István Szépe. *Ibid.* 339-51.—Equations for the operating lines in the equil. diagram above and below the feed inlet were developed from the material balances and the adsorption correlations given in part III. They deviated from linearity since const. molal overflow can not be assumed, but adequate accuracy for design purposes was generally obtained with straight operating lines. The no. of theoretical plates was detd. by the graphical method of McCabe and Thiele. It was important to carry out the resolution at the smallest reflux ratio possible, i.e. using the min. C velocity to prevent high attrition losses. Nonisothermal conditions are discussed and modified equations for adiabatic operations are given. These are, however, beyond the accuracy required for the dimensioning of the column. V. Design of a three-product gas chromatographic column. *Ibid.* 353-8.—In three-product gas chromatography the carrier gas must first be sepd. from the two other components in a separate C stream. The introduction of the feed in the second C stream was carried out in the adsorbed state. The calcns. for the no. of theoretical plates and the C velocity were to a great extent identical with those

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MIKÁLY FRIEDMAN-PÁL BENEDEK...

given in the previous parts. The intersection of the operating lines in the equil. diagram has shifted to a higher value of x. VI. Design of a two-product gas chromatographic column for multicomponent gaseous feed. *Ibid.* 359-67.— To sep. a pure component (with greatest adsorbability) from a multicomponent mixt., a column with a single C stream was necessary. Once the C velocity had been selected, by means of the equation given, the no. of theoretical plates required could be calcd., and the adsorber and rectification section designed.

F. H. van Munster

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BENEDEK, Pal; LASZLO, Antal

Thermodynamic equilibrum of simultaneous adiabatic reactions.
Veszprem vegyip egy kozl 3 no.1/4:245-248 '59

1. Veszpremi Vegyipari Egyetem Fizikai Kemia Tanszek.

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LASLO, A. [Laszlo, A.] (Vengerskaya Narodnaya Respublika), NEMET, A. [Nemeth, A.] (Vengerskaya Narodnaya Respublika)

Technological problems involved in the production of acetylene by an incomplete combustion of methane. Gaz.prom. 5:no.11:39-43 N '60. (MIRA 13:11)

(Acetylene) (Methane)

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BENEDEK, Pal; LASZLO, Antal

Foundations for chemical engineering. I.Preface to a series of articles. Magy kem lap 15 no.7:315 Jl '60.

1. Veszpremi Vegyipari Egyetem, Fizikai Kemiai Tanszek (for Laszlo).

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LASZLO, Antal

Measuring units, unit systems, and dimensions. Magy kem lap 15 no.7: 315-318 Jl '60.

1. Veszpremi Vegyipari Egyetem, Fizikai Kemiai Tanszek.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Antal

Petrochemical pilot plants. Veszprem Vegyipari Egy kozl 4 no.3: 243-253 '60

1. Veszpremi Vegyipari Egyetem Fizikai-kemiai Tanszek.

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21874
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B124/B207

11.7100

AUTHORS: László, Antal and Németh, András

TITLE: The ignition limits of some ternary gas mixtures

PERIODICAL: Magyar Kémiai Folyóirat, 66 no. 7, 1960, 254-259

TEXT: In acetylene production by means of partial methane oxidation it was - for reasons of dependability in operation - necessary to know the ignition limits of a mixture consisting of hydrogen, methane, acetylene, oxygen, and nitrogen; literature provides no data on this. According to the Le Chatelier equation, the ignition limit of combustible gas mixtures can be additively determined from the respective values of the individual components in pure state with oxygen or air: $n_1/N_1 + n_2/N_2 + n_3/N_3 + \ldots = 1$, where $n_1, n_2 \ldots$ is the separately measured lower (upper) ignition limit of the components and $N_1, N_2 \ldots$, the percentage of individual components at the lower (upper) ignition limit. Owing to the limited applicability of the Le Chatelier equation, it is recommended to check its accuracy in each instance by measurement. For this purpose, groups of three were formed

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The ignition limits...

from the components mentioned the measured limit values of ignition were introduced into the Le Chatelier equation. The diagrams necessary for calculation contain, however, only the results obtained with air, and not those with pure oxygen and air concentrated with oxygen. (Ref. 3: B. Lewis, G. Elbe: Combustion, Flames and Explosions of Gases, 1951, pp. 754-757). The ignition limits of the following mixtures were measured on the basis of above considerations: H_2-O_2-CH_4, H_2-O_2-N_2, C_2H_2-O_2-H_2, C_2H_2-O_2-N_2 and C_2H_2-O_2-CH_4; the mixture CH_4-O_2-N_2 was not measured, since, according to Ref. 4 (W. P. Jorissen: Ind. Eng. Chem. 19. 430. 1927), the limit value between the point measured with air and oxygen gives exactly a straight line. The one part of the gas mixtures gives the ignition limit of two combustible gases in oxygen, the other part the values measured at 0-100 % dilution with nitrogen in oxygen. Measurements were made in a simple laboratory device. The gas sample is taken through a stopper with two drillings and/or the reaction products are removed; the stopper is gas-tight up to 2 atmospheres. A short connecting piece is between stopper and explosion pipet. An electric spark was used for ignition; the ignition device consists of Pt electrodes reaching into a

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The ignition limits...

spherical space which ends in a glass tube. The latter is connected by means of vacuum rubber valve with the equilibration vessel which has a mercury seal. The gas mixture is conducted from the sample pipet into the spark gap; the gas is passed through a drying pipe filled with soda lime and calcium chloride. The degree of impurification of the gases used for measurement is given in Table 1; the corrections were determined on the basis of these values. Table 2 gives the results of measurement, i.e., in the first column the current number of the experiment, in columns II, III and IV the composition of the examined gas mixture in vol% and in column V, the result of measurement, where "+" denotes combustible, and "-" non-combustible. In each individual experiment, at least two determinations were made of one and the same gas mixture which indicates, that measurements are reproducible within ± 0.4 vol%. The results of measurement were recorded in the form of triangular diagrams (Figs. 2-6). The upper and the lower ignition limits of H_2, CH_4, C_2H_2 with oxygen were determined from Figs. 2, 4, and 6. Table 3 lists the values thus found and those determined from published data. A comparison shows that the measured lower limit for H_2 and C_2H_2 is lower and the measured upper limit higher than the published data, while for CH_4, the upper limit lies lower. The ignition limits of H_2

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and C_2H_2 in the air can be seen from Figs. 2 and 5; Table 4 compares these values with published data. The limit values of the mixtures H_2-O_2-CH_4, C_2H_2-O_2-H_2 and C_2H_2-O_2-CH_4 were determined by means of the Le Chatelier equation to be able to judge its validity, and the borderline recorded in Figs. 2, 4, and 6. Thus, it was found that the curves for C_2H_2-H_2 and H_2-CH_4 are in agreement, while a considerable deviation was found to exist in mixture C_2H_2-CH_4, i.e., toward the lower values. The values measured with nitrogen were also recorded (Fig. 7), and the experimental values were found to be in agreement with the calculated ones. To determine the action of nitrogen and a combustible gas upon another combustible gas, the ignition limit of the H_2-CH_4 mixture as a function of the CH_4 content, of the H_2-N_2 mixture as a function of the N_2 content (Fig. 8), as well as of C_2H_2 as a function of the H_2, N_2, and CH_4 (Fig. 9) content was calculated and recorded. The results indicate that in the case of hydrogen and acetylene in certain cases methane is better suited as diluting gas than nitrogen. This experience is also confirmed by practical results. There

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The ignition limits...

are 9 figures, 4 tables, and 6 non-Soviet-bloc references. The reference to the English-language publication reads as follows: B. Lewis, G. Elbe; Combustion, Flames and Explosions of Gases, 1951, pp. 749-752, 754-757)

ASSOCIATION: Veszprém, Magyar Ásványolaj és Földgáz Kísérleti Intézet (Hungarian Research Institute of Petroleum and Natural Gas, Veszprém)

SUBMITTED: October 8, 1959

Legend to Table 1:
a) impurifications

	a) Szennyezések	
	O_2 tf.-%	N_2 tf.-%
O_2		1,0—3,0
H_2	0—0,5	
CH_4	0	0,3
C_2H_2	0	
N_2	2,0	

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LASZLO, Antal

Testing catalyzed water gas reaction. Veszprem vegyip egy kozl 5 no.1:1-4 '61

1. Veszpremi Vegyipari Egyetem Fizikai-kemia Tanszek.

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BENEDEK, Pal; LASZLO, Antal

Extension and generalization of the concept of the degree of freedom. Veszprem vegyip egy kozl 5 no.3:197-209 '61

Determination of the degree of freedom in case of various systems. Ibid.:211-223

Correlation of variables within a system. Ibid.:225-237

Correlation between the general and the Gibbs' degree of freedom. Ibid.:239-243

Degree of freedom of systems possessing sources. Ibid.:245-265

1. Veszpremi Vegyipari Egyetem Fizikai-kemia Tanszek.

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LASZLO, Antal

Dimensional analysis. Magy kem lap 16 no.1:24-27 Ja '61.

1. Veszpremi Vegyipari Egyetem, Fizikai Kemiai Tanszek.
VESZPREM HEAVY CHEMICAL INDUSTRY UNIV., PHYSICAL CHEM. DEPT.

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LASZLO, Antal

The theory of analogy. Magy kem lap 16 no.2:74-78 F '61.

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal

Basic correlations among the systems of flow. Magy kem lap 16 no.3: 109-114 Mr '61.

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal

Solution of differential equations by means of the theory of analogy. Magy kem lap 16 no.4:180-184 Ap '61.

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal

Analogy between the impulse, heat and substance transmissions. Magy kem lap 16 no.5:209-214 My '61.

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal; NEMETH, Andras

World situation of the research and industrial application of the partial oxidation of methane. Magy kem lap 16 no.6: 241-251 Je '61.

1. Magyar Asvanyolaj es Foldgaz Kiserleti Intezet.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Antal

Calculating heat and substance transmission of chemical industry processes. Magy kem lap 16 no.6:262-268 Je '61.

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal

Chemical industry reactors.I. Magy kem lap 16 no.7:318-323,330 Jl '61

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal

Chemical industry reactors. II. Magy kem lap 16 no. 8:356-361. Ag '61

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal

Reactors in the chemical industry.III. Magy kem lap 16 no.9: 413-417 S '61.

1. Veszpremi Vegyipari Egyetem.

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LASZLO, Antal

Reactors in chemical industry. IV. Magy kem lap 16 no.10:469-475 O '61.

1. Veszpremi Vegyipari Egyetem.

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BENEDEK, Pal; LASZLO, Antal

Determination of the optimum of technological variables. Magy kem lap 16 no.12:548-554 D '61.

1. Veszpremi Vegyipari Egyetem (for Benedek).

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LASZLO, Antal; MAGYAR, Miklos; STEINGASZNER, Pal

Kinetic evaluation of the hydrogenating cracking process of Tuymazy resudual oils. Veszprem vegyip egy kozl 6 no.1: 21-28 '62

1. Veszpremi Vegyipari Egyetem Fizikai-kemia Tanszek es Nagynyomasu Kiserleti Intezet, Pet.

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LASZLO, Antal, dr.

Development and present state of the science of chemical processes. Veszprem vegyip egy kozl 7 no.4:281-285 '63.

Basic problems of the control and dimesnios increase of chemical industrial systems. Ibid.:309-316

1. Chair of Chemical Industrial Processes of the Chemical Industry University, Veszprem. Submitted September 13, 1963.

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LASZLO, Antal, prof. dr. (Veszprem, Wartha Vince u. 2-6, Magyarorszag);
NEMETH, Andras, dr. (Veszprem, Wartha Vince u. 2-6, Magyarorszag);
FAY, Laszlo (Veszprem, Wartha Vince u. 2-6, Magyarorszag)

On the correlations between the ignition parameters and streaming gases. I. Acta chimica Hung 35 no.2:233-243 '63.

1. Ungarisches Erdol- und Erdgas-Forschungsinstitut, Veszprem.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Antal, prof., dr.; NEMETH, Andras, dr. (Veszprem, Wartha Vince u.2-6); FAY, Laszlo (Veszprem, Wartha Vince u.2-6)

Correlations between the ignition parameters of streaming gases. II. Acta chimica Hung 35 no.3:351-359 '63.

1. Vegyipari Egyetem, Veszprem (for Laszlo). 2. Ungarisches Erdol und Erdgas Forschungsinstitut, Veszprem (for Nemeth and Fay).

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Antal, kandidatus

An account of the 3d (London) Congress of the European Federation of Chemical Engineering. Kem tud kozl MTA 19 no.3:373-376 '63.

1. Veszpremi Vegyipari Egyetem.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Antal, kandidatus; NEMETH, Andras, kandidatus

An account of the 9th International Symposium on Combustion Science at Ithaca. Kem tud kozl MTA 19 no.3:377-386 '63.

1. Magyar Asvanyolaj es Foldgaz Kiserleti Intezet, Veszprem.

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LASZLO, Antal, a kemiai tudomanyok doktora

A visit to the Max Planck Institute for Coal Research in Muhlheim.
Kem tud kozl MTA 21 no.2:184-186 '64.

1. Chemical Industry University, Veszprem, and Hungarian Mineral Oil and Natural Gas Experimental Institute, Budapest-Veszprem.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Antal, a kemiai tudomanyok doktora, egyetemi tanar

Development and present state of the science of chemical operations.
Magy tud 71 no. 4:223-227 Ap '64.

1. Veszprém University of the Chemical Industry.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

TOSZEGI, Anna, dr.; LASZLO, Aranka, dr.

On causes of newborn mortality. Orv.hetil. 102 no.34:1597-1600 20 Ag '61.

1. Szegedi Orvostudomanyi Egyetem, Korbonctani es Korszovettani Intezet.

(INFANT MORTALITY statist)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

BACHRACH, Denes, dr.; LASZLO, Aranka, dr.; B. SZABO, Eva, dr.; PETTKO, Emma, dr.; KORPASSY, Bela, dr.

Effect of a prolonged administration of posterior hypothalamic extract on the thyroid. Orv. hetil. 102 no.48:2276-2277 26 N '61.

1. Szegedi Orvostudomanyi Egyetem Korbonctani es Korszovettani Intezet, Borgyogyaszati Klinika es Orvosi Vegytani Intezet.

(THYROID GLAND pharmacol) (HYPOTHALAMUS extracts)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

VARGA, Laszlo, dr.; SZABO, Mihaly, dr.; LASZLO, Aranka, dr.

A myeloproliferative disease with thyroid adenocarcinoma, Paget's disease and lymphatic leukemia. Orv. hetil. 103 no.23:1076-1079 10 10 Je '62.

1. Szegedi Orvostudomanyi Egyetem, II Belklinika, Korbonctani es Korszovettani Intezet.

(BONE MARROW dis) (THYROID GLAND neopl)
(ADENOCARCINOMA pathol) (LEUKEMIA MYELOCYTIC pathol)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

BACHRACH, Denes; LASZLO, Aranka; B. SZABO, Eva; PETTKO, Emma; KORPASSY, Bela

Effect of the protracted dosage of the posterior hypothalamus extract on the thyroid gland. Biol orv kozl MTA 13 no.4: 297-303 '62.

1. Szegedi Orvostudomanyi Egyetem Korbonctani es Korszovettani Intezete, Borgyogyaszati Klinkiaja es Orvosi Vegytani Intezete.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

BACHRACH, Denes; B. SZABO, Eva; LASZLO, Aranka

The histophysiology of the rat anterior hypothalamus-neurohypophysis system in increasing as well as decreasing the thyreotropic function of the adenohypophysis. Kiserl. orvostud. 14 no.4:420-424 S '62.

1. Szegedi Orvostudomanyi Egyetem Korbonctani es Korszovettani Intezete es Borgyogyaszati Klinikaja.
(HYPOTHALAMUS) (PITUITARY GLAND, POSTERIOR)
(PITUITARY GLAND, ANTERIOR) (THYROTROPIN) (METHYLTHIOURACIL)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

BACHRACH, D.; SZABO, Eva B.; LASZLO, Aranka

Histophysiology of the anterior hypothalamus-neurohypophysis system in the mobilization of endogenous TSH or TSH administration in rats. Acta morph. acad. sci. Hung. 12 no.2:181-188 '63.

1. Institut d'Anatomie pathologique et d'Histopathologie et Clinique de Dermatologie de l'Universite Medicale, Szeged.
(HYPOTHALAMUS) (PITUITARY GLAND, POSTERIOR)
(THYROTROPIN) (METHYLTHIOURACIL) (GANGLIA)
(CELL NUCLEUS)

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HUNGARY

BARA, (BACHRACH), Denes, LASZLO, Aranka, POKORNY, Lajos; Medical University of Szeged, Pathological Anatomy and Pathohistological Institute (Szegedi Orvostudomanyi Egyetem, Korbonctani es Korszovettani Intezet).

"The Effect of Chronic Cerebral Lesions on the Neurosecretory Activity of Albino Rats."

Budapest, Kiserletes Orvostudomany, Vol XV, No 4, Aug 1963, pages 439-445.

Abstract: [Authors' German summary] The effect of chronic electrolytic cerebral lesions on the neurosecretory activity of albino rats has been investigated by the authors. The observations and results of previous research conducted by the authors indicate that: the neurosecretory saliva-producing ability of the nerve lobes is decreased with increasing intensity by lesions localized above the paraventricular (P.V.) nuclei, by complete destruction of the P.V. nuclei and, furthermore, by injuries reaching the tractus supraopticohypophyseus. No deviations were observed by the destruction of the middle and dorsal hypothalamic nuclei, unilateral or partial destruction of P.V. nuclei, lesions behind the level of these nuclei on the hypothalamic-thalamic border, and high thalamic lesions. 7 Hungarian, 21 Western references.

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L 24789-66 EWT(1)

ACC NR: AP6003584 SOURCE CODE: UR/0170/66/010/001/0060/0063

AUTHOR: Laslo, A. —Laszlo, A.

ORG: Chemical Engineering Institute, Veszprém, Hungary (Khimiko-tekhnologicheskiy institut)

TITLE: Data for a unified theory of transport processes

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 1, 1966, 60-63

TOPIC TAGS: thermodynamics, thermodynamic law, thermodynamic process, Darcy law, mass transport, irreversible thermodynamics

ABSTRACT: The author asserts that the Darcy law is independent of the Fourier heat conductivity law, of the Fick diffusion law, and of the Newton momentum transfer law. An interpretation of the Darcy law is given; it may be included in the modern system of the thermodynamics of irreversible processes. The error in the interpretation of the Darcy law by modern science is discussed. The author proposes the following correct definition of the Darcy law:

$$j = L/A = -B^* \text{ grad } p.$$

Consequently, the unit of measurement for B^* will be m^2/sec, which corresponds to the unified theory of the transport processes. The innovation in the author's interpretation is that such a transport law (Darcy law) corresponds to the mechanical effect (which is known from the thermodynamics of irreversible processes) as well as to other effects. Several examples are given to illustrate the applicability of the Darcy law. Orig. art. has: 1 table and 3 formulas.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HUNGARY

LASZLO, B., Dr; Hepatitis Hospital of Vaci Street (Vaci Uti Hepatitis Korhaz).

"Risks of Diagnostic Liver Biopsies."

Budapest, Orvosi Hetilap, Vol 103, No 52, 30 Dec 62, pp 2462-2465.

Abstract: [Author's Hungarian summary modified] The lethal outcome of liver biopsies ranges between 0.1 and 0.2 %. It is clear, however, that there is an inverse relation between the experience of the practioner and the death rate as a result of the liver punction. The author shows based on the experience of others and himself that with proper technique and experience, the risks of liver biopsies are practically negligible and their diagnostic use is recommended. Of 28 references, 2 are Hungarian, the rest Western.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, B.

Experimental therapy with iodoichthyol (preparation of iodate and ichthyol). Orv.hetil. 91 no.33:1019-1021 13 Aug 50. (CLML 20:5)

1. Internal Diseases Department (Head Physician -- Professor Dr. Laszlo Friedrich), Second Metropolitan Koranyi Frigyes and Sandor General Hospital, Budapest.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, B.;GYOZO, L.

New apparatus for protection against gamma-radiation. Magy. radiol. 4 no. 2:76-81 1952. (CLML 22:4)

1. Doctors. 2. Physical Laboratory (Head -- Dr. Laszlo Bozoky) and Gynecological Department (Head Head-Physician -- Dr. Gyozo Lehoczky), Lorand Eotvos State Radium and Roentgen Institute.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, B.

Cardiac changes in hepatitis. Orv. hetil. 94 no.32:885-887 9 Aug 1953. (CLML 25:1)

1. Doctor. 2. Cardiological Laboratory, Szovetseg-utcai Hospital (Director -- Dr. Sandor Fekete).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO B.

2472. LASZLO B. "Changes on the soft palate in viral hepatitis HUNG. MED. WEEKLY 1954, 95 (265)

The author found in cases of viral hepatitis a peculiar alteration of the soft palate especially over the uvula in the median line. This consists of little protruding, flat, semolina-like, round papules, without any signs of inflammation. On examination with the slit lamp the papules showed bright surfaces.

Foldvari - Budapest

SO: EXCERPTA MEDICA: Section XIII, Vol. 8, No. 10

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.

Possible differential diagnosis with ether test in diseases concomittant with jaundice. Arv hetil 95 no.19:519-521 My '54. (EEAL 3:8)

1. A Budapesti Kozegeszegugyi es Jarvanyugyi Allomas (igazgato: Kapos Vilmos dr.) Hepatitis Korkazi Osztalyanak (foorvos: Kurthy Laszlo dr.) kozlemenye.

(JAUNDICE differ. diag.
*ether test)
(JAUDICE, OBSTRUCTIVE, differ. diag.
*ether test)
(ETHERS
*test, in differ. diag. of jaundice)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.

Biliary and pancreatic complications of virus hepatitis. Orv. hetil. 95 no.49:1338-1343 5 Dec 54.

1. A Budapesti Kosegeszsegugyi-Jarvanyugyi Allomas (igazgato: Kapos Vitmos dr.) Hepatitis Korhazanak (foorvos: Kurthy Laszlo dr.) kozlemenye.

(HEPATITIS, INFECTIOUS, pathol.
pancreas & biliary tract)
(PANCREAS, in various dis.
hepatitis, infect.)
(BILIARY TRACT, in various dis.)
hepatitis, infect.)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.

Indirect diazo reaction in hyperbilirubinemia. Orv. hetil. 96 no.104:401-406 10 Apr 55.

1. A Budapesti Kozegeszsegugyi es Jarvanyugyi Allomas (igazgato: Kapos Vilmos dr. Hepatitis Korhazi Osztalyanak (foorvos: Kurthy Laszlo dr.) kozlemenye.

(BILIRUBIN, in blood,
excess, diazo reaction, indirect method)
(BLOOD,
bilirubin excess, diaze reaction, indirect method)
(DIAZO REACTION,
in hyperbilirubinemia, indirect method)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

BARNABAS, Laszlo, dr.

Acute anicteric viral hepatitis. Orv. hetil. 97 no.8: 199-205 19 Feb 56.

1. A Budapesti Kozegeszsegugy-Jarvanyugyi Allomas (igaz: Kapos, Vilmos dr.) Hepatitis Korhazanak (foorvos: Kurthy, Laszlo dr.) kozl.

(HEPATITIS, INFECTIOUS
anicteric, acute. (Hun))

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.

Theoretical and practical problems of inocculational hepatitis.
Orv. hetil. 97 no.12:309-315 18 March 56.

1. A Budapesti Kozegeszegugyi es Jarvanyugyi Allomas (igaz. Kapos, Vilmos dr.) Hepatitis Korhazi Osztalyanak (foorvos: Kurthy, Laszlo dr.) kozl.
(JAUNDICE, HOMOLOGOUS SERUM
differ. diag., epidemiol. & prev. (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

2995. THE TREATMENT OF LIVER PATIENTS WITH LIVER HYDROLYSATES - Májbetegek gyógykezelése májhydrolysatumokkal - László B. Közegészségügyi és Járványügyi Allomás Hepatitis Kórházi Osztál. Közl., Budapest - ORV.HETIL. 1958, 99/14 (475-480) Tables 4

The liver extract therapy was tried in 136 patients with chronic hepatitis, all stages of cirrhosis of the liver and fatty hypertrophy of the liver. The success of the therapy depends directly on its early initiation. Typical acute hepatitis is not suitable for liver extract therapy; it is without success in most cases and can even be harmful; it seems to be active, however, in persistent hepatitis and in acute hepatitis complicated by ascites. The daily dose for adults is 5 ml. i.v. No definite prescriptions as to total quantity are given, although small quantities like 200 to 300 ml. are hardly active. In isolated cases total doses of 800 to 2000 ml. may be required. Failure usually depends on false indications or on inaccurate (usually insufficient) dosages. The activity of the liver extract can sometimes be attributed to its purin - and pyrimidin - content, but at other times to still unknown substances. The author regards the introduction of this watery liver extract in the therapy of liver diseases as a significant advance. In his opinion additional results can be expected from this method.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, Dr.

Water metabolism in diabetes insipidus during acute hepatitis.
Orv. hetil. 99 no.31:1073-1075 3 Aug 58.

1. A Budapesti Kozegeszsegugyi es Jarvanyugyi Alloman (Igazgato: Kapos Vilmos dr.) Hepatitis Korhazi Osztalyanak kozlemenye.

(DIABETES INSIPIDUS, compl.
hepatitis, diuresis in (Hun))
(HEPATITIS, physiol.
diuresis in hepatitis complicating diabetes insipidus (Hun))
(DIURESIS, in various dis.
hepatitis complicating diabetes insipidus (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.; BRUCKNER, Piroska, dr.; GORGEY, Eva, dr.; TOTH, Bela, dr.

Therapy of acute hepatitis patients with oral antidiabetics (bucarban). Orv.hetil. 100 no.39:1411-1413 S '59.

1. A Budapesti Kozegeszsegugyi-Jaroanyugyi Allomas (igazgato: Kapos Vilmos dr.) Hepatitis Korhazanak kozlemenye.
(ANTIDIABETICS ther.)
(HEPATITIS ther.)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, B. L.

~~LASZLO, BARBARAS, Dr.~~

Periodic disturbance of water metabolism after viral hepatitis; data on the etiological problems of idiopathic liver enlargement. Orv. hetil. 100 no.4:143-147 25 Jan 59.

1. A Budapesti Kozegeszsegugyi es Jarvanyugyi Allomas (igazgato: Kapos Vilmos dr.) Hepatitis Korhazi Osztalyanak kozlemenye.

(HEPATITIS, INFECTIOUS, compl.
temporary anuria & liver enlargement following hepatitis, etiol. & pathogen. (Hun))

(ANURIA, etiol. & pathogen.
viral hepatitis followed by temporary anuria & liver enlargement(Hun))

(LIVER DISEASES, etiol. & pathogen.
temporary liver enlargement following viral hepatitis, with temporary anuria (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.; BRUCKNER, Pirosla, dr.

Effect of sulfonylurea derivatives on the course of acute rival hepatitis. Orv.hetil. 102 no.30:1405-1410 23 Jl '61.

1. Budapest Vaci-uti Hepatitis Korhaz.

(ANTIDIABETICS ther) (HEPATITIS INFECTIOUS ther)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HUNGARY

LASZLO, Barnabas, Dr; Capital City Council Hepatitis Hospital of Vaci Avenue (Fovarosi Tanacs, Vaci Uti Hepatitis Korhaz), Budapest.

"Theoretical and Practical Problems in the Treatment of Ascitic Liver Disease Patients."

Budapest, Orvosi Hetilap, Vol 104, No 24, 16 June 1963, pages 1105-1111.

Abstract: [Author's Hungarian summary] The author lists the mechanical, hormonal and colloid-osmotic factors which play the most important role in the mechanism of water retention in liver diseases. The therapeutic importance of rest, protein-rich and salt-free diet is stressed. Among methods of drug treatment, the aldosterone antagonists and adrenocorticostatica are mentioned in addition to the traditional diuretics. Paracentesis and possible surgical methods are also discussed. 5 Hungarian, 79 Western references.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.

The place of liver puncture and laparoscopy in the diagnosis of liver diseases. Orv. hetil. 105 no.11:495-497 15 Mr '64.

1. Fovarosi Tanacs Laszlo Korhaz.

*

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Barnabas, dr.

On biliary peritonitis following diagnostic liver biopsy. Orv. hetil. 105 no.19:888-891 10 My'64

1. Fovarosi Laszlo Korhaz, IV. Belosztaly.

*

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Bela, dr.

Relationship between the accumulation of digitalis and the level of potassium in the aged. Orv. hetil. 105 no.2:65-67 12 Ja'64.

1. Koranyi Frigyes es Sandor Korhaz.

*

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HAJOS, Karoly; HAJOS, Maria; LASZLO, Bela

Bronchial asthma and the heart. Orv hetil 95 no.15:393-400 Ap '54. (EEAL 3:8)

1. A Szovetseg-utcai Korhaz Belosztalyanak kozlemenye.
(ASTHMA, physiol.
*heart)
(ELECTROCARDIOGRAPHY, in various dis.
*asthma)
(HEART, in various dis.
*asthma)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Bela, dr.

Data of non-hypoxemic metabolic disturbances of the cardiac muscle. Orv. hetil. 96 no.43:1183-1186 23 Oct 55.

1. A Szovetseg-utcai Korhaz (igazgato: Fekete Sandor dr.) Szivvizsgalo Intezetenek kozlemenye.
(MYOCARDIUM, metabolism, disord., non-hypoxemic)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Bella

A new form of material incentive in footwear industry. Industria usoara 8 no.11:437-442 N '61.

(Shoe industry) (Incentives in industry)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Bela, dr., foorvos

Producing and conducting stimuli by the heart. Elet tud 15 no.4:107-110 24 Ja '60.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Bela, dr.

Arteriosclerosis and myocardial infarction. Pt.1. Elet tud 18 no.18:567-570 5 My '63.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Bela, dr.

Arterisclerosis and myocardial infarction. Pt. 2. Elet tud 18 no.19:583-585 12 My '63.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, C.

LASLO, Ghete [Laszlo, Csete], aspirant.

Collective farm tractor brigade. Dokl. TSKhA no.27:80-87 '57.
(Chkalov District--Machine-tractor stations) (MIRA 11:4)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, D.

HUNGARY

Carbohydrate metabolism in fasting newborn and suckling pigs—fasting hypoglycemia. A. Kemény, Zs. N. Gáspár, Gy. Pethes, B. Tóth, and D. László (Inst. Physiol. Vet. Fac., Budapest). *Acta Vet. Acad. Sci. Hung.* 5, 115–30 (1955)(in English).—Litters of newborn and suckling pigs were submitted to inanition after 15, 24, 38, and 96 hrs. nursing, resp. The surviving time was observed. The blood sugar level and inorg. phosphate and lactic acid content of the blood were correlated with weight loss and body temp. fall. The blood sugar level fell gradually and death was not always assocd. with hypoglycemia. The inorg. phosphate increased and reached levels 50% above normal. Blood lactic acid fell. The normal basal metabolic rate of baby pigs was found to be 3.7 Cal./kg./hr. C. J. Carr

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HOLLO, Janos, a kemiai tudomanyok doktora (Budapest); SZEJTLI, Jozsef (Budapest); LASZLO, Klemer (Budapest)

Newer data on the chemistry of starch fractions. V. Decomposition of starch in alkaline agent. Kem tud kozl MTA 13 no.1:1-10 '60. (EEAI 10:2)

1. Budapesti Muszaki Egyetem, Mezogazdasagi Kemiai Technologiai Tanszek.

(Starch) (Glycosides)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HOLLO, Janos, dr.; SZEJTLI, Jozsef, dr.; LASZLO, Elemer

Isotope laboratory exercises in teaching biological technology. Elelm ipar 16 no.11:322-323 N '62.

1. Budapesti Muszaki Egyetem Mezogazdasagi Kemiai Technologiai Tanszek.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HOLLO, J., prof. dr. (Budapest, XI., Gellert ter 4); LASZLO, E., dr. (Budapest, XI., Gellert ter 4); SZEJTLI, J., dr. (Budapest, XI., Gellert ter 4); TOTH, M. (Budapest, XI., Gellert ter 4); VANDOR, E. (Budapest, XIV., Telepes utca 53)

Newer contributions to the chemistry of starch fractions. Pt. 14. Periodica polytechn chem 7 no.4:311-316 '63.

1. Lehrstuhl fur Landwirtschaftlich-Chemische Technologie, Technische Universitat, Budapest.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HOLLO, Janos, prof., dr. (Budapest, XI., Gellert ter 4); LASZLO, Elemer, dr. (Budapest, XI., Gellert ter 4); HOSCHKE, Agoston (Budapest, XI., Gellert ter 4)

Biosynthesis of starch. Pt.1. Periodica polytechn chem 8 no.3: 213-219 '64.

1. Lehrstuhl fur Landwirtschaftlich-Chemische Technologie der Technischen Universitat, Budapest. Submitted March 23, 1964.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HOLLO, Janos, dr.; SZEJTLI, Jozsef, dr.; LASZLO, Elemer; GANTNER, Gyulane; KOMLOS, Sandor

Starching in laundry. Pt. 2. Magy textil 15 no.2:64-68 F '63.

1. Budapesti Muszaki Egyetem (for Hollo, Szejtli, Laszlo, Gantner). 2. Fovarosi Patyolat Vallalat (for Komlos).

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HOLLO, J., prof. (Budapest); SZEJTLI, J. (Budapest); GANTNER, G.S. (Budapest); LASZLO, E. (Budapest)

Cohesion of starch granules. Periodica polytechn chem 4 no.4:263-285 '60. (EEAI 10:5)

1. Institut fur Landwirtschaftlich-Chemische Technologie der Technischen Universitat, Budapest.
(Cohesion) (Starch) (Enzymes) (Light) (Granules)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HOLLO, Janos, prof., dr. (Budapest, XI., Gellert ter 4); LASZLO, Elemer, dr. (Budapest, XI., Gellert ter 4); HOSCHKE, Agoston (Budapest, XI., Gellert ter 4); GELENCSER, Janos (Budapest, XI., Gellert ter 4)

Biosynthesis of starch. Pt.2. Periodica polytechn chem 8 no.3: 221-228 '64.

1. Lehrstuhl fur Landwirtschaftlich-Chemische Technologie der Technischen Universitat, Budapest. Submitted March 23, 1964.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

LASZLO, Eva, dr.; SZABO SZUCS, Janos, dr.

Microbiological way of preparing carotene. Magy allatorv lap 17: 26-28 S '62.

1. Phylaxia Allami Oltoanyagtermelo Intezet, Budapest.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HUNGARY

VAGHY, Tamas, Dr, LASZLO, Eva, Dr; State Vaccine Production Institute 'Phylaxia' (Phylaxia Allami Oltoanyagtermelo Intezet) (director: MOLNAR, Jozsef, Dr).

"Biological Testing, on Chickens, of Carotene Oil Produced by a Microbiological Method."

Budapest, Magyar Allatorvosok Lapja, Vol 18, No 7, July 63, pages 277-279.

Abstract: [Authors' English summary modified] Carotene oil produced by fermentation with Blakeslea trispora, in the Institute, was tested in biological experiments. Hampshire chicks were fed from birth a vitamin A and carotene-free diet. After a three-week excretion period, carotene or equivalent quantities of vitamin A and carotene have been introduced by sondage into the digestive system of the animals. The preparation, which contained 70-75 per cent β-carotene, was readily resorbed. The peak value of vitamin A in the liver was reached in 24-28 hours when 35-40 per cent of the introduced carotene could be demonstrated as vitamin A in this organ. Significant quantities of this converted vitamin were present in the liver 380 hours later. The experiments have shown that carotene oil was more readily resorbed and converted to vitamin A than the water-soluble vitamin A acetate used for comparison. 12 Western, 3 Hungarian references.

1/1

LASZLO, E.S.

EXCERPTA MEDICA Sec.14 Vol.11/2 Radiology

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240. LÁSZLO E. S. and GÉZA B. Debreceni Orvostudományi Egyetem II. sz. Sebészeti Klin. és Sebészeti Anat. es Műtéttani Intézete. *Röntgen vizsgálat utáni fekélyátfuródás következtében és k ísérletesen a hasüregbe jutott barium további sorsának vizsgálata. Data concerning the course taken by barium after having penetrated into the abdominal

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240 CONT.

cavity following X-ray examinations subsequent to ulcer perforations and to experiments KISÉRL. ORVOSTUD. 1955, 7/4 (337-343) Illus. 8

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LASZLO, F.; EDE, S.; ISTVAN, R.

The effect of resactor on the hemopoiesis of arsenoxyd-treated mice. Borgybgy. vener.szemle 4 no.4:110-113 Ap '50. (CLML 19:3)

1. Skin and Venereal Diseases Clinic (Director -- Dr. Ferenc Foldvari) Peter Pazmany University, Budapest.

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KOVACS, K.; CSERNAY, L.; DAVID, Margit A.; LASZLO, F.A.; BIRO, A.

Haemodynamical changes in cortisone-treated hypophysectomized rats. Acta med. acad. sci. Hung. 21 no.2:141-148 '65.

1. First Department of Medicine, University Medical School, Szeged. Submitted May 3, 1964.

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KOVACS, K.; DAVID, Margit A.; LASZLO, F.A.

The blood corticosterone level in hypophysectomized rats during different stages of diabetes insipidus. Acta physiol. acad. sci. Hung. 27 no.4:385-390 '65.

1. I. Medizinische Klinik der Medizinischen Universitaet, Szeged.

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LASZLO, Ferenc, dr.

Jozsef Beszedes: outstanding engineer of the Reform Age.
Elet tud 17 no.22:680-684 3 Je '62.

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László, FRANK.

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9426* Plastic Bearings for Rolling Mills. Műanyagból készült csapágyak hengermüvek számára. (Hungarian.) Frank, László. *Kohászati Lapok*, v. 11, no. 3, Mar. 1956, p. 100-104. 1

Advantages and disadvantages of plastic bearings, their production, and application. Properties of plastic bearings; shape and size of bushings. Handling and preservation. Table, diagrams. 2 ref.

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CSERNAY, Laszlo; KOVACS, Kalman; DAVID, Margit; LASZLO, Ferenc; HORVATH, Istvan; JULESZ, Miklos

Experimental studies on the effect of xylose in rats. Kiserletes Orvostud. 13 no.1:65-69 Mr '61.

1. Szegedi Orvostudomanyi Egyetem I. sz. Belgyogyaszati Klinikaja.
(XYLOSE pharmacol)
(PITUITARY GLAND ANTERIOR physiol)

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KOVACS, Kalman; LASZLO, Ferenc; DAVID, Margit

A contribution to water metabolism in rats following destruction of a lobe of the pituitary gland. Kiserl. orvostud. 13 no.5:508-516 O '61.

1. Szegedi Orvostudomanyi Egyetem I. sz.Belklinikaja.
(WATER metabolism) (PITUITARY GLAND surgery)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6"

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KOVACS, K.; DAVID, Margit A.; LASZLO, F. A.

Action of chlorothiazide administered in cases of diabetes insipidus and psychogenic polydipsia. Acta med. hung. 17 no.3/4:301-310 '61.

1. First Department of Medicine (Director: M. Julesz), University Medical School, Szeged.

(CHLOROTHIAZIDE therapy)
(DIABETES INSIPIDUS therapy)
(THIRST therapy)

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KOVACS, Kalman, dr.; DAVID, Margit, dr.; LASZLO, Ferenc, dr.

Effect of chlorothiazide on diabetes insipidus and psychogenic polydipsia. Orv.hetil. 102 no.1:25-30 1 Ja '61.

1. Szegedi Orvostudomanyi Egyetem, I. Belklinika.
(CHLOROTHIAZIDE ther)
(DIABETES INSIPIDUS ther)
(THIRST)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

KOVACS, Kalman; LASZLO, Ferenc; DAVID, Margit

Effect of acetylcholine on water metabolism following destruction of the pituitary stalk. Kiserl. orvostud. 14 no.1:80-85 Mr '62.

1. Szegedi Orvostudomanyi Egyetem I. sz. Belgyogyaszati Klinikaja.
(ACETYLCHOLINE pharmacol) (PITUITARY GLAND POSTERIOR physiol)
(WATER metab)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HUNGARY

KOVACS, Kalman; DAVID, Margit; LASZLO, Ferenc; I. Clinic of Internal Medicine of the Medical University (Orvostudomanyi Egyetem I. sz. Belklinikaja), Szeged.

"On Adrenocortical Function of Rats with Destroyed Pituitary Stem."

Budapest, Kiserletes Orvostudomany, Vol 14, No 5, Oct 62, pp 484-493.

Abstract: [Authors' Hungarian summary abridged] The pituitary stem of rats was destroyed with a Horsley-Clarke apparatus and the adrenocortical function of the insipid diabetic animals was studied. The weight, histological structure and lipid content of the adrenals changed insignificantly by the eighth day after the operation. The operational stress or unilateral adrenalectomy caused no ascorbic acid depletion in the other adrenal. A lowering of the corticosterone level in the venous blood from the adrenal and of the corticosterone production of adrenal slices in vitro was observed. Cortisone administration led to adrenal atrophy. The authors warn that adrenal function tests may give equivocal results. 1/1 [38 references, predominantly Western.]

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CSERNAY, L.; KOVACS, K.; DAVID, Margit A.; LASZLO, F.A.; HORVATH, I.; JULESZ, M.

Experiments to influence xylose excretion in the rat. Acta physiol. 21 no.2:163-168 '62.

1. 1st Department of Medicine, Medical University, Szeged.
(XYLOSE urine) (HYPOPHYSECTOMY experimental)

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DAVID, Margit A.; LASZLO, F.A.; KOVACS, K.

The role of the pituitary in the effect of spironolactone on water and electrolyte excretion. Acta physiol. acad. sci. hung. 22 no.2: 179-187 '62.

1. First Department of Medicine, Medical University, Szeged.
(WATER-ELECTROLYTE BALANCE) (SPIRONOLACTONE)
(HYPOPHYSECTOMY)

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KOVACS, K., DAVID, M., and LASZLO, F., of the Internal Medical Clinic No 1 of the Szeged Medical University.

"Studies Regarding the Mechanism of the 'Remission' of Diabetes Insipidus in Rats with Destroyed Hypophysis Stalk"

Budapest, A MTA Biologiai es Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol 14, No 1, 1963; pp 79-93.

Abstract [Authors' Hungarian summary, modified]: Authors destroyed the stalk of the hypophysis by means of the Horsley-Clarke apparatus, and studied the water balance of rats with stalk lesion over several weeks. They noted that the urine production of these rats after a month or two returns to normal, non-operated rats. There is, however, a polyuria reaction immediately after the operation. The cessation of this diabetes-insipidus-like state, however, is only apparent. The data indicate that there is no return to the production of antidiuretic hormone several weeks after the operation, so that the cessation of increased diuresis is to be attributed first of all to the reduction of the glomerulus filtration, though other factors may also be present. [34 references, mainly Western].

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HUNGARY

LASZLO, Ferenc, DAVID, Margit, KOVACS, Kalman; 1st Clinic of Internal Medicine (I. sz. Belgyogyaszati Klinika) of the Medical University (Orvostudomanyi Egyetem) of Szeged.

"The Role of the Adrenal Cortex in the Water Balance of Rats with Destroyed Hypophysis Stem."

Budapest, Kiserletes Orvostudomany, Vol 15, No 1, Feb 63, pp 19-24.

Abstract: [Authors' Hungarian summary] Authors investigated the effect of the adrenals on the water balance of rats whose hypophysis stem had been destroyed. They conclude that lasting diabetes insipidus may form only in the presence of the adrenals. In rats with destroyed hypophysis stems, the water retention caused by adrenalectomy ceased upon cortisone treatment but could not be affected by the administration of saline. The experiments show that the oligouric reaction following adrenalectomy is not provoked largely by the antidiuretic hormone since the inhibition of diuresis after adrenalectomy occurs also in rats with hypophysis stems destroyed, not possessing any antidiuretic hormone stores. Of 34 references, three are Hungarian, the rest is Western.

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HUNGARY

KOVACS, Kalman, LASZLO, Ferenc, DAVID, Margit; 1st Clinic of Internal Medicine (I. sz. Belgyogyaszati Klinika) of the Medical University (Orvostudomanyi Egyetem) of Szeged.

"The Anti-Diuretic Phase of the Water Balance of Rats with Destroyed Hypophysis Stems."

Budapest, Kiserletes Orvostudomany, Vol 15, No 1, Feb 63, pp 71-78.

Abstract: [Authors' Hungarian summary modified] The hypophysis stem of rats was destroyed with a Horsley-Clarke apparatus. The water balance of these animals was studied upon oral administration of tap water or saline. Following the operation, there is a temporary increase in the voiding of urine, followed by an oligouric phase for 1-2 days. Water retention is followed by lasting polyuria. During the oligouric phase, a diuretic reaction cannot be produced by the administration of tap water or saline. Spontaneous water uptake drops, urine volume drops and its specific gravity rises. The creatinine concentration remains unchanged but the sodium, potassium and chlorine concentration rises. Cortisone administration does not abolish the water retention. Other

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HUNGARY

KOVACS, Kalman, LASZLO, Ferenc, DAVID, Margit; 1st Clinic of Internal Medicine (I. sz. Belgyogyaszati Klinika) of the Medical University (Orvostudomanyi Egyetem) of Szeged.

"The Role of the Antidiuretic Hormone in the Antidiuretic Phase of the Water Balance of Rats with Destroyed Hypophysis Stems."

Budapest, Kiserletes Orvostudomany, Vol 15, No 1, Feb 63, pp 79-82.

Abstract: [Authors' Hungarian summary] Following the destruction of the hypophysis stem of rats, the effect of the lowering of the antidiuretic hormone content of the hypothalamus-hypophysis system on the ensuing oligouric phase was investigated. If the neurohypophysis is removed one day after the destruction of the hypophysis stem, then the oligouric phase does not occur. Water retention does not occur also in cases when the stem destruction is carried out on rats which had not been given water for eight days. The oligouric phase does not develop in cases of total hypophysectomy and isolated neurohypophysectomy. Following stem destruction, it is supposed that the transitory water retention is affected by the antidiuretic hormone which is released by the degenerat-

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HUNGARY

DAVID, Margit, LASZLO, Ferenc, KOVACS, Kalman; Medical University, 1st Clinic of Internal Medicine (Orvostudomanyi Egyetem I. Belgyogyaszati Klinikaja), Szeged.

"The Role of the Hypophysis in the Effect of Spironolactone on the Excretion of Water and Electrolytes."

Budapest, Kiserletes Orvostudomany, Vol 15, No 2, Apr 63, pp 168-175.

Abstract: [Authors' Hungarian summary] In intact rats, spirolactone treatment does not affect the quantity of voided urine and the sodium, potassium and creatinine content of the urine significantly in case of oral administration of tap water. If however saline is given orally, more sodium is excreted upon spirolactone treatment and the quantity of urine and the sodium/potassium ratio rise. These effects do not appear in rats, several weeks after they had been hypophysectomized, not even if they had received prior cortisone or adrenocorticotrophic hormone treatment. It is known that spirolactone exerts its renal effect only in the presence of aldosterone. Accordingly, these results show that animals no longer possess sufficient aldosterone levels several weeks after hypophysectomy to allow the normally observed effects of spiro-

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KOVACS, Kalman; DAVID, Margit; KOCSIS, Julia; LASZLO, Ferenc

The effect of destroying the hypophysis stalk on adrenal cortex function in rats. Kiserl. orvostud. 15 no.4:367-374 Ag '63.

1. Szegedi Orvostudomanyi Egyetem I Belklinikaja.

(ADRENAL CORTEX) (PITUITARY GLANDS)
(ASCORBIC ACID) (CORTICOSTERONE)
(ADRENALECTOMY) (PHYSIOLOGY)

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928720016-6

HUNGARY

LASZLO, Ferenc, DAVID, Margit, KOVACS, Kalman; Medical University of Szeged, I. Medical Clinic (Szegedi Orvostudomanyi Egyetem, I. Belklinika).

"The Changes in the Pituitary Volume After Destruction of the Pituitary Stalk in Rats."

Budapest, Kiserletes Orvostudomany, Vol XV, No 4, Aug 1963, pages 423-430.

Abstract: [Authors' Hungarian summary] The changes in the pituitary volume, after destruction of the stalk, have been investigated by the authors. A decrease in the total pituitary volume was found. In the adeno-pituitary, extensive postoperative necrosis has been observed. Later, the volume of the adeno-pituitary decreased considerably due to fibrotic necrosis. Hypertrophy of the intact pituitary area could not be demonstrated, while a regeneration of the portal vessels was evident. The medial lobe showed no significant volume change in an absolute sense, a relative hypertrophy was seen a few weeks later. The nerve-lobe greatly decreased in size. The experiments indicate that, after stalk destruction, the portal vessel connections are regenerated but regeneration and volume increase of the intact part of the pituitary do not take place. The reduction of the living pituitary tissue may play a role in the decreased function of the gland. 1 Hungarian, 23 Western references.

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KOVACS, K.; DAVID, Margit A.; LASZLO, F.A.

Mechanism of the "regression" of diabetes insipidus after pituitary stalk lesions in rats. Acta med. acad. sci. hung. 19 no.2:95-108 '63.

1. First Department of Medicine, University Medical, Szeged.

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KOVACH, Kalman [Kovacs, K.] (Seged, Vengrya); DAVID, Margit [David, M.A.] (Seged, Vengriya); KOCHISH, Yuliya [Kocziz, Julia] (Seged, Vengriya); LASLO, Ferents [Laszlo, F.A.] (Seged, Vengriya)

Effect of hypophysial stalk destruction on adrenal gland function in rats. Probl. endok. i gorm. 10 no.1:60-66 Ja-F '64. (MIRA 17:10)

1. Pervaya terapevticheskaya klinika Segedskogo meditsinskogo universiteta (dir. - prof. Yu. Miklosh [Miklos, J.]).

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