"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

HUNGARY

TOROK, Bela; SZOLLOSSY, Laszlo; KUSTOS, Gyula; BARTOS, Gabor; TOTH, Imre; PAP, Janos; Institute of Surgical Anatomy and Operative Techniques of the Medical University (Orvostudomanyi Egyetem Sebeszeti Anatomiai es Mutettani Intezet), Pecs.

"Experimental Production of Septum Defects."

Budapest, Kiserletes Orvostudomany, Vol 14, No 5, Oct 62, pp 532-534.

Abstract: [Authors' German summary] An experimental surgical procedure is described for the production of auricular and ventricular septum defects. [One Hungarian reference.]

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Imre (Hodmezovasarhely)

Exchange of experience between scale makers at Hodmezovasarhely.
Magy kisipar 6 no.5:3 8 Mr '62.

1. Muszeresz.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

HUNGARY

PAP, Janos; TOTH, Imre; IDAKI, Karoly; MAYER, Ferenc; TOROK, Nel., Medical University of Pecs, Institute of Surgical Anatomy and Surgery (Pecsi Orvostudomanyi Egyetem Sebeszeti Anatomiai es Mutettani Intezete)

"Serum Transaminase Determinations After Experimental Coronary Ligatures."

Budapest, Kiserletes Orvostudomany, Vol XIV, No 6, 1962, pp 604-607.

Abstract: [Authors' German summary] The influence of various experimental surgical procedures (appendectomy, thoracotomy, pericardiotomy) as well as coronary ligatures on the SGOT activity were tested. It was found that in the first 24 hours SGOT activity was considerably elevated only in cases of coronary ligatures. The extremely high values point to severe myocardial lesion and have bad prognostic significance. The primary cause of elevated SGOT activity is probably not a general stress effect (acute syndrome) but impairment of the heart muscle.

[1 Hungarian, 12 Western references]

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

CARDIOVASCULAR DISEASES

HUNGARY

KUSTOS, Gyula, PAP, Janos, TOROK, Bela, TOTH, Imre, BARTOS, Gabor and TEMES, Gyula, Institute of Surgical Anatomy and Surgical Technique (Sebeszeti Anatomiai es Mutettani Intezet), College of Medicine (Orvostudomanyi Egyetem), Pecs.

"ECG, PCG and Electromanometric Studies in Experimental Mitral Insufficiency"

Budapest, Kisorletes Orvostudomany, Vol 18, No 6, 1966; pp 663-668.

Abstract: On the basis of animal experiments the ECG changes developing in acute mitral insufficiency are described. On the basis of phonocardiographic and electromanometric data three groups may be distinguished: mild, moderately severe and severe. The data obtained in medium severe and severe syndromes are characteristic, and occasionally the changes may be expressed also by means of formulas. 29 References, mainly Western. Manuscript received 28 Jan 66.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

HUNGARY

SUVEGES, Tibor, Dr, Institute of Veterinary Medicine (Allategeszsegugyi Intezet), (Director: ALDASY, Pal, Dr, candidate of veterinary medicine), Miskolc.

TOTH, Imre, Dr.

"On the Occurrence and Epizootiology in Hungary of Abortion by Sheep Caused by Salmonella Abortus Ovis."

Budapest, Magyar Allatorvosok Lapja, Vol 17, No 11, Nov 62, pp 401-405.

Abstract: [Authors' English summary abridged] Salmonella abortus ovis was found to be the cause of about half of the abortions observed in 110 herds. The strain was identified immunologically and biochemically. In the infected herds, concentrated in Northern districts on state or collective farms, usually 10-20 %, in some cases, 40-60 % of the ewes aborted. One abortion resulted in apparent immunity. Contrary to other data rams did not spread the infection. Definite diagnosis can be made only by isolation of the organism from the aborted fetus. The authors conclude that the organism should be regarded as a facultative pathogen. Suitable immunization or therapy is unavailable, prevention is sought. [No references.]

1/1

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

HUNGARY/Diseases of Farm Animals - Diseases Caused by Protozoa. R-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45452

the food, alongside with sanitary measures, has brought about the cessation of the murrain of poults.

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Imrene, dr.; VARGHA, Miklos, dr.

"an aid to rehabilitate the power of speech in persons suffering from aphasia" by E.S.Beyn. Reviewed by Mrs. Dr. Imre Toth, Dr. Miklos Vargha. Magy pszichol szemle 20 no.3:491-493 '63.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

ANDIK, Istvan,; NAGY, Laszlo,; TOTH, Irma.

Energy exchange in thyrotoxicosis in rats in various temperatures of the environment. Kiserletes orvostud. 7 no.2:141-144 Mar 55.

1. Pecsi Orvostudomanyi Egyetem Korelettani Intezete.
(METABOLISM, TISSUE,
in exper. hyperthyroidism, eff. of temperature)
(TEMPERATURE, effects,
on metab. in exper. hyperthyroidism)
(HYPERTHYROIDISM, experimental,
eff. of temperature on metab.)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

PORA, Ferenc, okleveles mernok; RAPP, Tamas; BORBAS, Nandor; NAGY BIRO, Sandor; HLINYANSZKY, Istvan, dr. SCHUMICZKY, Imre; KERTESZ, Gabor; SIMEK, Rezso, okleveles vegyeszmernok; JANCSO, Tibor; TOTH, Istvan; AUERSWALD, Janos; KLAFFL, Gyula; CSERNAVOLGYI, Laszlo.

Production and utilization of natural gas. Energia es atom 17 no.1:11-15 Ja'64.

1. Orszagos Koolaj- es Gazipari Troszt (for Pora, Kertesz, Auerswald and Klaffl). 2. Voros Csillag Trakrogyar (for Borbas). 3. Fovarosi Gazmuvek (for Nagy Biro).; 4. Asvanyolajforgalmi Vallalat (for Hlinyanszky). 5. Dunai Vasmu (for Schumiczky). 6. VEGYTERV (for Simek and Csernavolgyi).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan

Prolific season of aviation at Szombathely. Repül o 17 no.10:5
O '64.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

L 11183-66

ACCESSION NR: AT5025198

HU/2502/64/042/004/0351/0357

AUTHOR: Toldy, Lajos (Toldi, L.)(Doctor)(Budapest); Borsy, Jozsef (Borshi, Y.) (Doctor)(Budapest); Dumbovich, Boris (Doctor)(Budapest); Toth, Istvan (Tot, I.) (Budapest)

TITLE: Phenthiazine derivatives. Part 4: Synthesis of methophenazine

SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 42, no. 4, 1964, 351-357

TOPIC TAGS: ester, carboxylic acid, tranquilizer

Abstract: [German article] A synthesis of perphenazine, 3-chloro-10-γ-[4'-(β'-hydroxyethyl)-piperazinyl-1']propyl-phenthiazine, and several of its esters with aryl and arylalkyl carboxylic acids including 3-chloro-10-γ-[4'-(β'-hydroxyethyl)pi]erazinyl-1']propyl-phenthiazine-3",4",5"-trimethoxybenzoic ester (Methophenazine, a tranquilizer), was described. The properties of the various intermediate and ultimate products obtained were presented and discussed. "Thanks are extended to O. Winterstein and G. Gelegonya." Orig. art. has 7 figures and 1 table.

ASSOCIATION: Institut fur Arzneimittelforschung, Budapest (Institute for Pharmaceutical Research)

Card 1/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

L 1183-66

ACCESSION NR: AT5025198

SUBMITTED: 29Feb64 ENCL: 00 SUB CODE: OC, GC

NO REF SOV: 000 OTHER: 017 JPRS

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

CSAPO, Jozsef, dr.; JAKICS, Jozsef, dr.; FONYODI, Tivadar, dr.; RICHTER, Peter, dr.; TOTH, Istvan, dr.

The action and application of gamma globulin in the prophylaxis against infectious hepatitis. Gyermekgyogyaszat no.10:289-292 '62.

1. A Budapesti Laszlo Korhaz (Igazgato: Roman Jozsef dr.) es a "Human" Oltoanyagtermelo es Kutato Intezet (Igazgato: Veres Gabor dr.).
(HEPATITIS, INFECTIOUS) (GAMMA GLOBULIN)
(MENTAL DEFICIENCY)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

/Retyped clipped abstract/ August 29, 1958/ml

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

HUNGARY/Chemical Technology - Chemical Products and Their Application, Part 3. - Carbohydrates and Their Treatment. H-25

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22964

Author : Alfons Kunz, Istvan Toth
Inst : -
Title : Study of Nitration with Mixed Acids. I.

Orig Pub : Magyar kem. folyoirat., 1957, 63, No 8, 201-206

Abstract : The methods, equipment and results of experiments with the nitration of starch with mixtures of acids (HNO_3 and H_2SO_4, HNO_3 and H_3PO_4 and P_2O_5), and of the study of the viscosity of obtained products are described. It is found that if the dispersion was good, the reaction of starch nitration proceeds very rapidly, should active mixtures and the necessary temperature be applied. The curve character (on a triangular graph) in the case of nitric

Card 1/2

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

FOLDVARI, Ferenc; FABIAN, Ferenc (Budapest, IX., Ipar utca 3); TOTH, Istvan (Miskolc, II.kerulet)

Motorists' letters. Auto motor 13 no.1:5 6 Ja '65.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

FAREDIN, Imre, dr.; SZARVAS, Ferenc, dr.; TOTH, Istvan, dr.; DAVID, Margit, dr.; JULESZ, Miklos, dr.

Pregnanetriol tests in hirsutism and other endocrine diseases. Orv. hetil. 106 no.13:585-590 28 Mr '65

1. Szegedi Orvostudomanyi Egyetem, I. Belgyogyaszati Klinika (igazgato: Julesz, Miklos, dr.)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

FAREDIN, Imre; TOTH, Istvan; WINTERNE SIMOR, Ilona, technikai segedletevel

Determination of 5-beta-pregnane-3-alpha,17-alpha,20-alpha-triol in human urine. Kiserl. orvostud. 15 no.6:577-586 D '63.

1. Orvostudomanyi Egyetem Szeged, I sz. Belgyogyaszati Klinikaja.
(URINE) (PREGNANEDIOL) (PHLORHIZIN)
(CHROMATOGRAPHY) (ADRENAL CORTEX DISEASES)
(ADRENAL CORTEX FUNCTION TESTS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

FAREDIN, Imre; TOTH, Istvan

Simultaneous determination of pregnanetriol and all 17-hydroxycorticosteroids from human urine. Acta morph. acad. sci. Hung. 12 no.4:293-301 '64

1. Szegedi Orvostudomanyi Egyetem I. sz. Belgyogyaszati Klinikaja.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

CSAPRO, Jozsef, dr.; BUDAI, Jozsef, dr.; NYERGES, Gabor, dr.; RICHTER, Peter, dr.; TOTH, Istvan, dr.

Experiments with active immunization against infectious hepatitis. The mode of action of gamma-globulin. Orv.hetil.101 no.30:1045-1049 24 Jl '60.

(HEPATITIS INFECTIOUS immunol)
(GAMMA GLOBULIN ther)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan (Budapest)

Quick balancing of grinding wheels. Gepgyartastechn 4 no. 2: 93-95 F '64.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

FAREDIN, Imre; TOTH, Istvan; Wrne SIMOR, Ilona, technikai segedletevel

Chromatography of steroids on an adsorbent florisil column. Kiserl. orvostud. 15 no. 3:305-312 Je '63.

1. Szegedi Orvostudomanyi Egyetem I. sz. Belgyogyaszati Klinikaja
(17 - KETOSTEROIDS) (CORTISONE) (PREGNANEDIOL)
(HYDROCORTISONE) (CHROMATOGRAPHY)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

SZUCS, Miklos, dr., a kemiai tudomanyok kandidatusa; SZASZ Frigyes; BUNYITAI, Janos, dr.; BANAS Jozsef; ZACHEMSZKY, Ferenc; GULDEN, Otto; TERNYAK, Beno; BENKOVIC, Jozsef; DIOSZEGHY, Daniel, prof., dr.; TOTH, Istvan.

Questions of vocational education pertaining to the gas industry. Energia es atom 17 no.1:7-11 Ja'64.

1. Fovarosi Gazmuvek (for Szucs); 2. Orszagos Koolaj- es Gazipari Troszt (for Szasz and Bunyitai). 3. Miskolci Nehezipari Muszaki Egyetem (for Dioszeghy). 4. Veszpremi Vegyipari Muszaki Egyetem (for Toth).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan

Introduction of group machining, stardardization and a new system of production in the Factory for Machine Tool Accessories. Gepgyartastechn 2 no.9:342-346 S '62.

1. Szerszamgep Tartozekgyar.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

GREGACS, Margit; Sz.MUHITS, Katalin; PATER, Janos; TOTH, Istvan

Pollution of the Danube at Budapest. Hidrologiai kozlony 39 no.5:347-356 0'59.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for Pater).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan

The 40-year-old AEROFLOT. Repules 16 no.2:17 F '63.

1. AEROFLOT budapesti Tajekoztato Irodajanak ugyvezetoje.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan.

(4)

HUNGARY

OSAPO, Jozsef

MD

Joint report by the Laszlo Hospital (Director: Jozsef ROMAN, MD), Budapest and the 'Human' Vaccine Producing and Research Institute ('Human' Oltoanyagtermelo es Kutato Intezet) (Director: Gabor VERES, MD.)

Budapest, Gyermekgyogyaszat, No 10, Oct 62, pp 289-292.

"The Effect and Application of Gamma Globulin in the Prevention Hepatitis."

Co-authors:

JAKICS, Jozsef, MD.
FONYODI, Tivadar, MD.
RICHTER, Peter, MD.
TOTH, Istvan, MD.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

NAGY, Ferenc; DOBIS, Otto; LITVAN, Gabor; TOTH, Istvan

Determination of the solubility and the molecular state of anhydrous aluminum chloride in benzol. Magy kem folyoir 66 no. 4:134-137 Ap '60.

1. Magyar Tudomanyos Akademia Kozponti Kemiai Kutato Intezete, Budapest.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

GOSZTONYI, Tamas; TOTH, Istvan

Rocket fuels. Magy kem lap 16 no.2:59-62 F '61.

1. Budapesti Muszaki Egyetem Szerves Kemiai Technologiai Tanszek (for Gosztonyi). 2. Gyorgyszeripari Kutato Intezet(for Toth)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

ILLYES, Zsigmond, dr.; TOTH, Istvan, dr.

Case of isolated dislocation of talus. Magy. sebeszet 7 no.1: 50-53 Feb 54.

1. Szabolcs-szatmarmegyei Tanacs Korhaza (Igazgato: Zempleni Bela dr.) sebeszeti osztalyanak (foorvos: Gorog Gyorgy dr.) es rontgenlaboratoriumanak (foorvos: Almassy Gyorgy dr.) kozlemenye.

(DISLOCATION
astragalus, fixation)
(ASTROGALUS, disloc.
fixation)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

GYENES, Vilmos, dr.; TOTH, Istvan, dr.; PETER, Viktor, dr.

Wire sutures in the treatment of jaw fractures. Fogrov. szemle 47 no.5:138-140 May 54.

(MANDIBLE, fractures
wire suturing)
(FRACTURES
jaws, wire suturing)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

MAGYAR, Imre, dr.; TOTH, Istvan, dr.

Results of experiments with mesobiliviolin reaction. Orv. hetil. 96 no.37:1016-1018 11 Sept 55.

1. A Budapesti Orvostudomanyi Egyetem I. sz. Belklinikajanak (igaz.: Rusznyak Istvan dr. egyetemi tanar) kozl.
(LIVER FUNCTION TESTS,
mesobiliviolin reaction)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

SZENDEI, Adam, dr.; KOMAROMY, Jozsef, dr.; RICHTER, Peter, dr.; TOTH, Istvan, dr.

Clinical significance of catecholamine determination in human urine. Orv. hetil. 97 no.25:679-681 17 June 56.

1. A Budapesti Orvostud. Egyetem III. sz. Belklin. (igaz. Gomori, Pal dr. egyet. tanar) es a Human Oltoanyagtermelo es Kutatointezet (igaz. Veres, Gabor dr.) kozl.

(EPINEPHRINE, in urine
determ. in hypertension, extraction by aluminum hydroxide. (Hun))
(ARTERENOL, in urine
same.)
(HYPERTENSION, urine in
arterenol & epinephrine determ. by aluminum hydroxide extraction. (Hun))
(URINE
arterenol & epinephrine determ. in hypertension by aluminum hydroxide extraction. (Hun))

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

HUNGARY

MAJOR, Laszlo, Dr, TOTH, Istvan, Dr; Sanitarium at Paradfurdo, B-Department (chief physician: MAJOR, Laszlo, Dr) and Balneotherapeutic Hospital, Radiological Laboratory (chief physician: TOTH, Istvan, Dr) (Paradfurdoi Szanatorium es Gyogyfurdo Korhaz, Rontgen Laboratorium).

"Facial Hemihypertrophy."

Budapest, Orvosi Hetilap, Vol 108, No 8, 19 Feb 67, pages 370-372.

Abstract: [Authors' Hungarian summary] The medical history of a patient with facial hemihypertrophy is described. 6 Hungarian, 8 Western references.

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

GYENES, Vilmos, dr.; TOTH, Istvan, dr.; MIKLOS, Antal

Experiences with subperiostal metal implantation. Fogorv. szemle 58 no.5:136-140 My '65

1. A. Fov. Janos Korhaz Szajsebeszeti Osztalyanak es a Magyar Nephadsereg Egeszsegugyi Szolgalatanak kozlemenye.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan (Budapest, VI., Baross u. 42); MEZINGER, Ferenc (Pocspetri, Pocsi u. 13); NEMETH, Tibor, okleveles gepesz- es gazdasagi mernok (Szombathely, I., Schonherz Zoltan korut 1)

Engineer or technician? Musz elet 19 no. 4: 5 13 F '64.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan; FAREDIN, Imre

Experiences with sulfuric acid color reaction of pregnantriol.
Kiserl. orvostud. 16 no.1:90-95 Ja'64.

1. Orvostudomanyi Egyetem, Szeged, I.sz. Belgyogyaszati Klinika.

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

OPECZY, Endre; TOTH, Istvan

Application of collapsible containers in the food industry.
Elelm ipar 18 no.1:14-18 J'64.

1. Elelmezesugyi Miniszterium (for Opeczy)
2. Szeszipari Orszagos Vallalat (for Toth).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan; HODOS, Gyorgyne

Testing of the high-capacity biological sewage treatment installation of the Matrahaza T.B. Sanatorium. Hidrologiai Kozlony 37 no.2:184-190 '57.

1. Orszagos Kozegeszsegugyi Intezet Vizugyi Osztalya.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOLDY, Lajos; VARGHA, Laszlo; TOTH, Istvan; BORSY, Jozsef

Promethazine investigations. Pt. 1. Magy kem folyoir 65 no.1:41 Ja '59.

1. Gyogyszeripari Kutato Intezet.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

CSAPO, Jozsef, dr.; NYERGES, Gabor, dr.; BUDAI, Jozsef, dr.; RICHTER, Peter, dr.; TOTH, Istvan, dr.

Attempt at active immunization against infectious hepatitis by attenuated virus. Orv. hetil. 104 no.17:783-785 28 Ap '63.

1. Budapesti Laszlo Korhaza es "Human" Oltoanyagtermelo es Kutato Intezet.

(HEPATITIS, INFECTIOUS) (GAMMA GLOBULIN)
(VACCINATION)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan, okleveles villamosmernok

Arc furnace manufacture in Hungary. Villamossag 11 no.2:37-42 F '63.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvan (Budapest)

Forum of innovators. Ujit lap 12 no.14:30 25 Jl '60.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

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HUNGARY

FAREDIN, Imre, TOTH, Istvan; Medical University of Szeged, I. Medical Clinic (Szegedi Orvostudomanyi Egyetem I.sz. Belgyogyaszati Klinika).

"Chromatography of Steroids on Florisil Adsorption Columns."

Budapest, Kiserletes Orvostudomany, Vol XV, No 3, June 1963, pp 305-312.

Abstract: [Authors' German summary] Various steroids were chromatographed on "Nymco"-florisil adsorption colums by the authors. It was established that allopregnandiol and pregnandiol can be separated from pregnantriol and from the 17-hydroxycorticosteroids. The 17-ketosteroids can also be separated from pregnantriol and the 17-hydroxycorticosteroids. The chromatographic method allows a 100 per cent recovery of pregnandiol and the 17-ketosteroids from the florisil column. The yield is 78 per cent for pregnantriol and 75-85 per cent for the 17-hydroxycorticosteroids. The results indicate that the method can be used as a basis for a rapid separation and determination of the groups of steroids mentioned in biological materials, mainly urine. 4 Hungarian, 28 Western references.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

JULESZ, Miklos, dr.; B. FROHLICH, Margit, dr.; K. LASZLO, Ilona, dr.; TOTH, Istvan, dr.; SZEPESSY, Gabor, dr.; DAVID, Margit, dr.

The effect of estriol on lipid metabolism. Orv. hetil. 103 no.43: 2017-2021 28 O '62.

1. Szegedi Orvostudomanyi Egyetem, I. Belklinika es Kozponti Laboratorium.
(ESTRIOL) (LIPID METABOLISM) (CORONARY DISEASE)
(PHOSPHOLIPIDS) (LIPOPROTEINS)
(BLOOD CHOLESTEROL) (BLOOD LIPIDS)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

CSAPO, Jozsef, dr.; NYERGES, Gabor, dr.; BUDAI, Jozsef, dr.; RICHTER, Peter, dr.; TOTH, Istvan, dr.

Experience with the active immunization against infectious hepatitis. II. The significance of the absolute and relative quantity of viruses and antibodies and the intensity of the alcohol effect. Orv. hetil. 102 no.49:2310-2312 3 D '61.

1. Budapesti Laszlo korhaz es Human Oltoanyagtermelo es Kutato Intezet.

(HEPATITIS INFECTIOUS immunol)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

RANKY, Miklos, docens.; TOTH, Istvan, tanarseged

Dynanometers developed at the Chair of Manufacturing Technology and some possibilities of their development. Gep 14 no.3:99-106 Mr '62.

1. Budapesti Muszaki Egyetem, Gyartastechnologiai Tanszek

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

H/006/61/000/002/001/001
D228/D301

AUTHORS: Gosztonyi, Tamás, and Tóth, István

TITLE: Rocket fuels

PERIODICAL: Magyar kémikusok lapja, no. 2, 1961, 59-63

TEXT: The maximum speed of a rocket at the moment of the "burn-up" of the fuel is deduced from the impulse formula of classical mechanics [Abstractor's note: The deduction is omitted in the article]:

$$V = \text{const} \cdot c \ln \frac{m_i}{m_v} \qquad (1)$$

where c - discharge speed of the gases; m_i - initial mass of the rocket (including fuel); m_v - final mass of the rocket (after the "burn-up" of the fuel); $\frac{m_i}{m_v}$ - is termed the "mass ratio". The con-

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D228/D301

Rocket fuels

stant takes air resistance into consideration. The speed of the rocket may be increased either by increasing the "mass ratio" (the quantity of propellant) or by increasing the discharge speed of the gases. Increase of the "mass ratio" is limited by economic and design factors. The discharge speed of the gases depends on the shape of the orifice as well as on the specific energy of the propellant, and particularly on the chemical composition. Given a certain nozzle, the nozzle velocity of the gases is expressed by the following equation

$$c = \text{const}\sqrt{\frac{T}{M}} \qquad (2)$$

where T - absolute temperature in the burner (in ^{o}K) and M - mean molecular weight of the gases at the moment of discharge. Rocket propellants generally consist of two main components: 1) the fuel itself; 2) an oxidizing agent. The propellant may be either in a solid or liquid state. Generally liquid fuels are more efficient

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D228/D301

Rocket fuels

but their burner mechanism is more complicated. Although the specific energy of solid rocket propellants is smaller, their burner mechanism is considerably simpler. The main requirements of modern rocket propellants are then given by the authors, as cited by E.A. Weilmuenster (Ref. 5: Ind.Eng.Chem. 49, 1337-1338, 1957). The specific energy of propellants is usually expressed by the amount of heat (in k/cal) freed when 1 kilogram or 1 liter of fuel is burnt. Quoting American sources, the authors point out that this is expressed by the so-called "specific impulse" (Isp). The connection between the "specific impulse" and the "specific energy" is then expressed by an equation taken from J.F. Tormey (Ref. 6: Ind.Eng. Chem. 49, 1339-1343, 1957). The specific impulse of a molecular system may equal 150 - 400 secs. provided that the pressure of the burner chamber is 34 atm. (500 lbs/sq. in) while the outside pressure is 1 atm. The specific impulse and the specific energy of some fuel mixtures are then given in tabulated form, the data being taken from J.F. Tormey (Ref. 6: Op.cit.) and A. Stettbacher

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D228/D301

Rocket fuels

(Ref. 3: Explosivstoffe (Explosives), 4, 25-33, 1956). In order to obtain greater nozzle velocity, it is advantageous to keep the molecular weight of the burnt bases to a minimum. Compounds consisting of elements with light molecular weight such as H, C, N, B, Be, Al and Li are primarily used as fuels. Nitrates, perchlorates, H_2O_2, liquid O_2 and F may be considered as oxidizing agents. The composition of some gas mixtures after burning and their average molecular weights are also tabulated according to data from J.F. Tormey (Ref. 6: Op.cit.). Solid propellants may be either: 1) Composite or heterogenous, eg. "black" gun powder; or 2) Colloidal or homogenous, eg. "smokeless" gun powders. The most versatile types of colloidal propellants are the two-base gun powders. The chemical composition of a typical two-base rocket fuel is a) Nitrocellulose (N. content = 13.25 %) 54 %, nitroglycerine 43 %, centralite I (diethyl-diphenyl-carbamide) 3 %; b) Nitrocellulose (N. content = 13.22 %) 59.92 %, nitroglycerine 38.96 %, centralite I 0.94 %, diphenylamine 0.18 %. Bitumen as cited by A. Stettbacher

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D228/D301

Rocket fuels

(Ref. 3: Op.cit.) and mixtures containing various synthetic materials as cited by H. Seidel (Ref. 4: Chemische Industrie (Chemical Industry), 11, 445-447, 1959), are also solid propellants, but no information is available on their exact chemical composition. The specific energy of a two-base gun powder is approximately 1,100 kg cal/kg or approximately 1,700 kg cal/liter. The specific energy of a bitumen-potassium perchlorate mixture of stoichiometric composition (130 g + 870 g = 1 kg) is nearly the same as that given above, while that of black gun powder is approximately 640 kg cal/kg. Ethyl-alcohol, hydrocarbons, hydrazine and hydrazine based compounds are mainly used as fuels. Hydrogen-peroxide, liquid oxygen and fluorine compounds are the oxidizing agents. The propellant of the V2 rocket is then given by the authors as well as its chemical reaction and data on its specific energy. Hydrogen peroxide, the authors state, is often used both alone and as an oxidizing agent with fuels in rocket and submarine propulsion: Fe or Cu are used as a catalyst for starting decomposition of the peroxide. The specific energy of a 100 % hydrogen peroxide is 369 kg cal/kg or 540

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Rocket fuels

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kg cal/liter; corresponding figures for the 85 % peroxide are 226 and 314. Liquid oxygen is gaining importance as an oxidizing agent, note the authors, who then point out that the propellant of the US IRBM-s and ICBM-s is the assymmetrical dimethyl-hydrozine, a typical example for such propellants being $5N_2H_4 + 4HNO_3 \longrightarrow 12H_2O$ (vapour) $+ 7N_2$ H = - 541 kg cal. The specific energy is 1,312 kg cal/kg or 1,557 kg cal/liter. This mixture belongs to the so-called "hypergol" mixtures, where spontaneous combustion occurs as the fuel and the oxidizing agent are brought into contact. In the Oerlikon rockets, kerosene is mixed with triethylamine or xylydine and HNO_3; in this case, too, spontaneous combustion occurs. The hydrogen-fluorine system is known as the mixture that has the highest specific energy (approx. 3,000 kg cal/kg) the specific impulse being 373 secs. The two main difficulties encountered with this fuel are the low boiling point of the H_2 and the very strong corrosive nature of the fluorine. In the most recent experiments $FClO_4$

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Rocket fuels

is proposed as a substitute for the fluorine. Although ozone-benzole mixtures have good properties, the use of ozone is not practicable because it decomposes rapidly. The benzine-beryllium system also appears to have good properties, but the price of the beryllium makes it uneconomical. The mixture consists of: 175 gm benzine + 78 gm beryllium + 747 gm oxygen = 1 kg mixture. The simplicity of the solid rocket engines has impelled researchers to find such solid propellants that have comparable specific energies to those of the liquid fuels. It appears that some organic boron compounds have a great future. The 'HEF2' (alkali-pentaborane) and 'HEF3' (alkali-decaborane) are two such propellants now in use in the United States, the authors claim. The foregoing boranes with sodium or ammonia perchlorate as an oxidizing agent exceed the specific energy of most of the widely used liquid fuels. If lithium perchlorate is employed, the specific energy is higher than that of hydrogen-fluorine system. This is explained by the density of the lithium-perchlorate and by its high relative oxygen content. Moreover, the boron compounds are very expensive. Efforts are being made to ex-

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D228/D301

Rocket fuels

plore other sources of energy, such as energy freed by nuclear fission (U^{235} or Pu^{239}). These efforts are greatly hampered at present by the high radioactivity of the propellant and even more by that of the products. There are 2 tables and 6 references: 1 Soviet-bloc and 5 non-Soviet-bloc. The references to the English-language publications read as follows: B.L. Crawford, C. Hugett, F.C. Daniels, R.E. Wilfong, Anal.Chem. 19, 630-633, 1947; E.A. Weilmuenster, Ind.Eng.Chem. 49, 1337-1338, 1957; and J.F. Tormey Ind. Eng.Chem. 49, 1339-1343, 1957.

ASSOCIATION: (Gosztonyi) Bpesti müszaki egyetem szerves kémiai technológiai tanszék (Institute of Technology of Organic Chemistry, Technical University, Budapest); (Tóth) Gyógyszeripari kutató intézet (Research Institute for the Pharmaceutical Industry)

Card 8/8

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

OPECZY, Endre; TOTH, Istvan

Application of folded container in the food industry. Musz elet 19 no.8:15 9 Ap '64.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, ISTVAN K.

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27

Oxidation of sulfur dioxide in a fluidized bed with vanadium catalyst. Pál Szolcsányi, Lorinc Hornyák, and István K. Tóth (Univ. Chem. Ind., Veszprém, Hung.) Veszprémi Vegyipari Egyetem Közlemányei 2, 57-63(1958). — The oxidation of SO_2 with air was studied in a 20-cc. practically isothermal reactor, made of quartz, by using a V catalyst (such as employed in H_2SO_4 manuf.) of 0.78 and 1-mm. particle size, at a gas rate of 0.5-3.5 l/min., and at 450-90°. The initial SO_2 concn. was 2.7-7.0 vol. %, and conversion rates of 10-70% were attained. In a stationary bed the direction of flow (whether up or down) made no difference in the results. On attaining the fluidized state, the activity of the bed increased instantaneously; the extent of the increase became larger with increasing temps. This increase was evident even at the lowest initial SO_2 concn. examd. The activity increase commenced always at the same feed rate for any given bed, regardless of concn. and temp. G. J. Ernyei

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvanne

Financial responsibility of enterprises for accidents and other health damages. Munkavedelem 10 no.4/6:5-7 '64.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvanne

It is more than a question of responsibility. Munka 13 no.4:16 Ap '63.

1. Szakszervezetek Orszagos Tanacsa munkavedelmi osztalyanak munkatarsa.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvanne

Role of the well-planned administrative measures in the improvement of working conditions. Munka 14 no. 2: 12-13 F '64.

1. Szakszervezetek Orszagos Tanacsa munkasvedelmi osztalya.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

MAGYAR, I.;SZATMARI, E.;TOTH, Istvanne.

New method of liver function test. Orv. hetil. 93 no. 11:332-333 16 Mar 1952. (CIML 23:3)

1. Doctor for Magyar and Szatmari; Doctor, Laboratory Assistant for Toth. 2. First Internal Clinic (Director — Dr. Istvan Rusznyak), Budapest Medical University.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Istvanne

Let us learn from a thorough investigation of accidents.
Munkavedelem 8 no.10/12:26-27 '62.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

SZUCS, Erwin; TOTH, Janos

Interference of parallel, turbulent jets. Energia es atom 18 no.2/3:91-97 F-Mr '65.

1. Electric Power Industry Research Institute, Budapest.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Lajos (Debrecen); FITCRI, Janos (Debrecen)

Vibration of threadlike water columns in a communicating vessel consisting of more than two pipes. Fiz szemle 15 no.2:55-57 F '65.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, Laszlo, oklevelles mernok

Questions in connection with the first Hungarian-manufactured jet drills. Bany lap 98 no.2:86-91 F '65.

1. Aluminum Industry Designing Institute, Budapest.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTA, J.; UCHYTIL, B.

Headaches caused by noise. Cesk. otolaryng. 12 no.5:290-292 O '63.

1. Klinika nemoci usnich, nosnich a krcnich lekarske fakulty UJEvP v Brne, prednosta prof. dr. R. Hladky.
(HEADACHE) (NOISE)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

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TOTH, J.

Correction of unsuccessful operations for hypospadiasis. Acta chir. Acad. Sci. Hung. 3 no.2/3:279-286 '62.

1. Department of Urology (Director: Prof. A. Babics), University Medical School, Budapest.

(HYPOSPADIAS surgery)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

MAGASI, P.; TOTH, J.; ROSDY, E.

The function of the urethra in excretion and retention of urine in normal conditions. Acta Chir. Acad. Sci. Hung. 2 no.4:399-411 '61.

1. Urologische Klinik (Direktor: Prof. A. Babics) der Medizinischen Universitat, Budapest.

(URETHRA physiol) (URINATION)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, J.; GRAF, L.

Determination of the gasoline content of natural gas by chromatographic separation and microcomustion. p. 324.

MAGYAR KEMIAI FOLYOIRAT. (Magyar Kemikusok Egyesok Egyesulete) Budapest, Hungary Vol. 65. no. 8, Aug. 1960

Monthly List of East European Accession (EEAI), LC, Vol. 9, no. 2, Feb. 1960

Uncl.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, J.

Science

"MAGYAR KEMIAI FOLYOIRAT"

More important aspects of designing gas-chromatographic apparatus and the methodology of analyses. p. 382

Vol. 64, No. 10, Oct. 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 4, April 1959
Unclas.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

10 [illegible]

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28. **The common role of the solid carrier and the liquid in gas-liquid chromatography.** / J. Tóth, L. Gráf. *Magyar Kémiai Folyóirat.* Vol. 64, 1958, No. 3, pp. 85–92, 14 figs., 2 tabs.

It was found that the validity of the equation used in gas chromatography $\left(\frac{V_{r\,ax}}{n_a}\right)_c = Ug(c) = a'(c) + v$ can be extended also to gas-liquid partition chromatography if the inlet and outlet pressures of the eluent gas in the column are nearly equal. It was proved theoretically and experimentally that the Henry coefficients of dynamic isotherms of saturated and unsaturated gases sharply decrease on high specific surface carriers when the quantity of the solvent is increased; the chromatographic spectra can be influenced to a large extent by varying the amount of the liquid used; the mechanism of partition chromatography is principally based on adsorption. With carriers having small specific surface the mechanism of the separation is founded upon adsorption (interaction of van der Waals forces between gas and liquid), thus for separation, elution *etc.* the quality of the liquid is decisive.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, J.

HUNGARY / Physical Chemistry Surface Phenomena. B
Adsorption. Chromatography. Ion Exchange.

Abs Jour: Ref Zhur-Khimiya, No 11, 1958, 35589

Author : Toth Josef, Graf Laszlo
Inst : Not given
Title : Adsorption Theorie of Gas Chromatography.

Orig Pub: Magyar Kem. Folyoirat, 1957, 63, No 2-3, 71-78.

Abstract: An attempt has been made toward the general treatment of adsorption processes of frontal (FCh) and developed (DCh) gas chromatography. The connection between the chromatogramm forms and the adsorption isoterms has been examined. An inequality, determining the condition for a complete separation of

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

HUNGARY/Organic Chemistry. Synthetic Organic Chemistry. G

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77538.

Author : Toth J., Janzso G.
Inst :
Title : Data on the Reduction of Dimethyl Isonitroso-Malonate (Dimethyl Mesoxalic Oxime).

Orig Pub: Acta phys. et chem. Szeged, 1957, 3, No 1-4, 125-128.

Abstract: A study has been made of the reaction of catalytic reduction of $HON{=}C(COCCH_3)_2$ (I) and of acetylation of the produced $H_2NCH(COOCH_3)_2$. 33.6% of $CH_3CONHCH(COOCH_3)_2$ (II) was separated at the hydrogenation of I in a mixture of $(CH_3\text{-}CO)_2O$ and glacial CH_3COOH on 16%-ual Pd/C at 20° for the duration of 48 hours, or at 60°. The hydrogenation of 100 g of I in 150 ml of CH_3CH on 40 g of Ni [Raney's catalyst] is con-

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

COUNTRY : Hungary E-2

CATEGORY :

ABS. JOUR. : RZKhim., No. 5 1960, No. 17527

AUTHOR : Toth, J. and Graf, L.

INST. : Hungarian Institute for Mining Research

TITLE : The Determination of Helium and Hydrogen in Natural Gas by Elution Chromatography

ORIG. PUB. : Izvest Veng Gorno Issledovatel Inst, No 1, 75-82 (1957)

ABSTRACT : The theory of elution chromatography is discussed, using the binary mixtures $He-CO_2$ and N_2-CO_2 as examples. Apparatus for the determination of H_2 and He is described. The apparatus consists of three columns of 7-mm diam, with lengths of 70, 240, and 120 cm (filled with Nuksit activated charcoal of 0.75 mm particle size), a burette of 1 liter capacity, an interferometer, and an azotometer (filled with 50% KOH solution); CO_2 or air is used as the carrier gas. The concentrations

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

COUNTRY : Hungary E-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 5 1960, No. 17527

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : of the various components are obtained by integrating the areas under the peaks or from the peak heights; the curve expressing the dependence of the area under the peaks on the concentration of He is linear. Hydrocarbons are adsorbed in the 70 cm column which is cooled to -70- -60°. The He is completely separated from N_2 in the 240 cm column at N_2 contents of $<25\%$. When the N_2 content exceeds 25%, N_2 and He are incompletely resolved, but the first portion of air (300 ml) contains all of the He (this portion is passed

CARD: 2/3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

COUNTRY : Hungary

CATEGORY :

E-2

ABS. JOUR. : RZKhim., No. 5 1960, No.

17527

AUTHOR :

INST. :

TITLE :

CATG. PUB. :

ABSTRACT : through the azotometer); the remainder is separated in the 120-cm column after absorption of the CO_2. When the latter column is cooled to -70°, the separation of H_2 and He with N_2 contents of 2-3% is possible. For the determination of He in concentrations of < 0.005%, the concentration step is repeated 2-3 times.

B. Anvayer

CARD: 3/3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

Hungary/Physical Chemistry - Surface Phenomena. Adsorption. Chromatography. Ion Exchange, B-13

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 588

Author: Graf, L., Toth, J., and Goncz, I.

Institution: None

Title: Theoretical Foundations of the Chromatographic Analysis of Gaseous Hydrocarbons

Original Periodical: Magayar kem. folyoirat, 1956, Vol 62, No 4, 113-118 (published in Hungarian with a German summary)

Abstract: A theoretical formulation and experimental confirmation are given for the existence of a relationship between the volume of the carrier gas $V_{(max)}$ for which the maximum concentration ($C_{(max)}$) of the adsorbate gas leaving the column is equal to the equilibrium concentration C; m_a, the mass of the adsorbent layer through which the gas passes at the constant value of $C = C_{(max)}$; a'(C), the derivative at the given point on the isotherm; v, the free space between the grains

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Hungary/Physical Chemistry - Surface Phenomena. Adsorption. Chromatography. Ion Exchange, B-13

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 588

Abstract: in the adsorbent layer. The relationship is expressed by the equation $U_g(C) = a'(C) + v$, where $U_g(C) = (V_{(max)}/m_a)_C$. It is shown, in addition, that the value of $U_G = V_{(max)}/m_A$, where m_A is the total mass of the adsorbent, follows an analogous dependence. The value of U_G can be used as a convenient measure of the adsorptive capacity of the adsorbents.

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17 27

Determination of the helium and hydrogen content of natural gases by elutive chromatography. 7 József Tóth and László Gráf. *Bányász-ti Kutató Intézet Közlemények 1*, 117-23(1956).—The theoretical aspects of gas chromatograms were studied in cases where the adsorption energy of the eluant is larger than that of the components to be detd. A method was developed for the detn. of He and H in natural gases in the presence of each other. If the N content of the gas is <25% and neither He nor H content exceeds 1%, the detn. takes less than 5 min.; regardless of gas compn. it never takes more than 30 min. The app. consists of 2 adsorption columns (7 mm. diam. × 700 mm. and 7 mm. diam. × 2400 mm., resp.) filled with activated C (Nuxit-Al) of 0.75 mm. particle size, an interferometer chamber, and an azotometer filled with 50% KOH soln. CO_2 is used as an eluant and the detn. is carried out at −70° (cooled with Dry Ice). If the N content of the gas exceeds 25%, the He (and (or) H) will not quantitatively sep. from the N. In this case, the CO_2-He(H)-N gas mixt. leaving the column is led into an auxiliary column (7 mm. diam. × 1200 mm.) and the remaining He (H) is sepd. by eluting with air. If the gas contains <0.005% He(H), several batches of gas are used until sufficient quantity is accumulated to enable chromatographic detn. with air elution. Calibrating curves are used to evaluate the chromatograms. L. G. Arvai

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

FODOR, G., TOTH, J., KOCZOR, I., VINCZE, Iren. Hungary

Annual meeting of the Chemical Society in the German Democratic Republic from 19-22 October 1955.

"Synthese von 6-Tropen-3-ol, ein vermutetes gemeinsames Zwischenprodukt saemtlicher Tropanalkaloide"

SO: Chemische Technik, Feb 1956, Unclassified.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

TOTH, J.

Synthesis of 6-tropen-3α-ol, a suggested intermediate for scopolamine. G. Fodor, J. Toth, I. Kocsor, and I. Vincze (Inst. of Org. Chem., Szeged, Hung.). *Chemistry & Industry*, 1955, 1290-1.—The title compd. was prepd. via the reactions: (±)-6β-hydroxytropan-3-one was converted to its phenylurethan, m. 127-9°, which was hydrogenated to (±)-6β-phenylcarbamoyloxy-3α-hydroxytropane (I), m. 182-3°. I was acetylated and distd. *in vacuo*, resulting in the reversal of urethan formation, yielding (±)-3α-acetoxy-6β-hydroxytropane (II), m. 121°. II (2 moles) was treated with one mole tosyl chloride to give the *p*-toluenesulfonate, which was cleaved by collidine at 180° in a N atm. in a sealed tube into 6-tropen-3-yl acetate (III), b. 85°. 6-Tropen-3α-ol [picrate, m. 278° (decompn.)] was prepd. by the Kunz hydrolysis of III.

Susan I. Wright

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TOTH, J.; ROSDY, E.; CSONTAl, A.

Treatment of vesical extrophy. Acta chir. acad. sci. Hung. 5 no.4: 387-390 '64.

1. Department of Urology, University Medical School, Budapest.

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Air pollution in corn starch manufacturing plant. Jenő Roth and István Gál. *Yearbook Inst. Agr. Chem. Technol. Univ. Tech. Sci. Budapest, Hung.* 1952 III-1954 VIII, 219-24. To collect data for the design of suitable ventilating equipment the starch-dust and acid-fume content of the air were [illegible]

J. A. Szilard

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TOTH, J.

TOTH, J. Harvesting the pea with machines. p. 11.

Vol. 11, no. 17, Sept. 1956
MAGYAR MEZOGAZDASAG
AGRICULTURE
Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

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TOTH, J.

TOTH, J. Let us provide for th giving of gr en fodder to our horned cattle during the summer. p. 14.

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Budapest, Hungary

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TOTH, J.

TOTH, J. The raising of them as a basis for developing the stock of cows. p. 17.

Vol. 11, No. 9, May 1956
MAGYAR MEZOGAZDASAG
AGRICULTURE
Budapest, Hungary

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

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

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PINTER,J.; CSATA,S.; FRANG,D.; RENYI-VAMOS,F.; TOTH,J.; TOTH,M.

Acute anuria of various origins. Acta chir. acad. sci. Hung. 4 no.4:343-348 '63

1. Urologische Klinik (Direktor: Prof.Dr. A.Babics) der Medizinischen Universität, Budapest.

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L 9356-66 EWT(1)/EWP(m)/EWA(d)/FCS(k)/EWA(1)

ACC NR: AP5008460 H/0008/65/000/02-/0091/0097

AUTHOR: Szucs, E.; Toth, J.

44
41
B

TITLE: The interaction of parallel turbulent jets

SOURCE: Energia es Atomtechnika, no. 2-3, 1965, 91-97

TOPIC TAGS: turbulent jet, flow density, flow distribution

ABSTRACT: The authors use the Reichardt inductive theory to describe the interaction of two turbulent, parallel jets. This theory was resorted to because there is as yet no better theory available. Reichardt maintains, that with the determination of the experimental characteristics of turbulence, it is extremely difficult to compare the deductive theories because of the inevitable dispersion. The equation for the impulse flow density distribution of parallel jets flowing from several nozzles is derived on the basis of the Reichardt hypothesis by using the principles of superposition which, with the empirical determination of the equations for the case of jets of different density and injection velocity, is of general validity. The members in this equation may be obtained from a table. The authors are to report on the experimental data. Orig. art. has: 27 formulas and 4 figures.

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ACC NR: AP5008460

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ASSOCIATION: Villamosenergiaipari Kutato Intezet (Electric Power Generation Research Institute)

SUBMITTED: 00 ENCL: 00 SUB CODE: 20

NO REF SOV: 005 OTHER: 017

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

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DAN, S.; NAGY, S.; TOTH, J.

Quantitative determination of serum peptonase; its diagnostic value. Acta med. hung. 12 no.3-4:177-200 1958.

1. 2nd Department of Medicine, Medical University of Debrecen.
(PROTEASES, in blood
peptonase determ., diag. value)

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TOTH, J.

Modern dumping. P. 29 MUSZAKI ELET (Muszaki es Termeszettudomanyos Egyesuletek Szovetsege) Budapest, Vol. 11, no. 3, Feb. 1956

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TOTH, J.

Gliders in 1954. p.14., (REPULES, Budapest, Hungary), Vol. 7, No. 24, Dec. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

T'TH, J.

Air resistance; for basic theoretical study circles. p. 1[illegible]., ([illegible], Budapest, Hungary), Vol. 7, No. 24, Dec. 1954.

SO: Monthly List of East European Accessions, (EEAI), LC, Vol. 4, No. 5, May 1955.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

KUNCZ DENES; MAGY DEZSO; [illegible] Y LASZLO; TOTH J. JANOS

Complication of pregnancy in eighth month by traumatic diphasic rupture of the spleen. Magy. noorv. lap 22 no.2:123-124 May 57.

1. A Makoi Varosi Tanacs Korhaza noosztalyanak (Foorvos: Kuncz Denes) es sebeszeti osztalyank (Igazgato-foorvos: Toth J. Janos) kozlemenye.

(PREGNANCY, compl.
spleen rupt., traumatic, diphasic, in eighth month, surg. (Hun))
(SPLEEN, rupt.
in pregn., traumatic diphasic rupt. in eighth month, surg. (Hun))

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

VANO, Frantisek; TOTH, Jan; KARABELLI, Jan

Measurement, signalling, and control in the experimental semiindustrial production of biologically active yeast in the Trencin Plant. Kvasny prum 9 no.10:237-242 O '63.

1. Ustredny vyskumny ustav potravinarskeho priemyslu, pobocka Bratislava.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

VANO, Frantisek; KARABELLI, Jan; TOTH, Jan; SOCHOROVA, Viera

Liquid inflow control by a floating flowmeter with a photoelectric sensing device. Kvasny prum 10 no.5:105-109 My '64.

1. Research Institute of the Distillation and Canning Industry, Bratislava.

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TOTH, Janos

Hungary has again finished first in the work competition of the friendly railways. Magy vasut 7 no.20:1 17 0'63

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TOTH, Janos, okleveles kohomernok

Notes on the evaluation of the pig iron produced by the Danubian Ironworks. Koh lap 96 no. 6:Suppl.:Ontode 14 no. 6:137-142 Je '63.

1. Danubian Ironworks.

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VICSAY, Margit; PUSZTAI, Rozalia; TOTH, Janos

Recent data on the effect of thiamine on acetylcholine activity.
Kiserletes Orvostud. 12 no.6:583-586 D '60.

1. Szegedi Orvostudomanyi Egyetem Elettani Intezete.
(ACETYLCHOLINE metab)
(VITAMIN B1 pharmacol)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1

SZORADY, Istvan; SZ.-ne VICSAY, Margit; OBAL, Ferenc; PUSZTAI, Rozalia; TOTH, Janos

Data on the effect of pantothenic acid on the isolated intestine. Kiserl. orvostud. 14 no.3:281-286 Je '62.

1. Szegedi Orvostudomanyi Egyetem Elettani Intezete es Gyermekklinikaja. (PANTOTHENIC ACID pharmacol) (INTESTINES pharmacol)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756410015-1"