"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

CZECHOSLOVAKIA / Human and Animal Physiology. Metabolism. T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21903.

Author : Martinek F.
Inst : Not given.
Title : The Problem of Inter species Differences in Changes of Glycogen Content in Skelletal Muscles Following Loss of Innervation.

Orig Pub: Ceskosl. fysiol. 1956, 5, No 1, 70-75.

Abstract: Following the section of the sciatic nerve in the gastro-chemics muscle of the denervated (and healthy) extremities was studied during a certain interval of time (1-19 days). In all the three groups of animals in the first 24 hour periods an increase was first noted in the glycogen level in the denervated extremity as

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CZECHOSLOVAKIA / Human and Animal Physiology. Metabolism. T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21903.

Abstract: compared with the intact one, followed by a subsequent drop. These changes occurred in rats at an earlier period than in guinea pigs and rabbits. In the last ones these occurred at the latest period. In the opposite, in starving animals, a more pronounced drop in glycogen level was observed in the intact muscles as compared with the denervated ones. The author considers the differences in the rate of appearance of glycogen content changes as an illustration of interspecies differences in the rate of appearance of structural changes in muscles following their denervation.

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Frantisek

Results of measuring the length of the lower extremities with reference to the necessity of diagnosing posture defects. Sborn. ved. prac. lek. fak. Karlov. Univ. (Hrad.Kral.) 6 no.5 483-490 '63.

1. Posluchac VI. rocniku LFKU v Hradzi Kralove.

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MARTIN

[redacted]

newly born animals but its content does not rise significantly thereafter. Denervation affects glycogen stores only after 10 days of life in rabbits and 3 months in guinea pigs.

G. M. Kosolapoff

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, I.

Interspecies differences in alterations of content of glycogen in skeletal muscle after innervation. I. Martinek (Physiol. Inst., Prague). *Bohemosloven. Physiol.* 5, 78-83 (1956).—Expts. with white rats, guinea pigs, and rabbits showed that section of sciatic nerve leads at first to a rise in muscle glycogen, most rapidly in rats, less so in guinea pigs and most slowly in rabbits. The eventual rapid loss of glycogen in denervated muscle is confirmed (cf. Werthelmer, *C.A.* 21, 2298). G. M. Kosolapoff

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.; PAVLOUSEK, Pavel, inz.

The hydrodynamic gear box CKD - H 250 M. Zel dop tech 9 no.7:200-203 '61.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.

TECHNOLOGY

Periodicals: ENERGETIKA Vol. 9, No. 2, Feb. 1959.

BUSTA, M.: NEMECKY, J.: MARTINEK, J. Problems of planning rural-power lines and power transformers. p.1

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 5, May 1959 Unclass.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.

MARTINEK, J.; STACKEVSKY, L. "Danger of stray currents in mine."
Uhli, Praha, Vol [illegible], No 7, July [illegible], [illegible]

SO: Eastern European Accessions List, Vol 3, No 1[illegible], Oct [illegible], [illegible]

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.

MARTINEK, J. Gas losses during blasting operations caused a serious accident. [illegible].

Vol. [illegible], No. 9, Sept. 195[illegible]
UHLI
TECHNOLOGY
Praham Czechoslovakia

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

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

PUCHALKA, T.; MARCINEK, J.; RUMALOWSKI, K.

Theoretical basis of the optimum control of Ward-Leonard electric winders. Archiw elektrotech. 12 no. 4: 647-667 '63.

1. Politechnika, Poznan.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

PUCHALKA, Tadeusz; MARTINEK, Jacek

Dynamic analysis of a direct [illegible] motor. Archiw automat 8 no.1:79-86 [illegible].

1. Politechnika, Poznan.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J., inz.

Making spectacle frames from combined materials. Jemna mech opt 9 no. 1:28-30 Ja '64.

1. Okula, n.p., Nyrsko.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.; MIKULAS, I.

Changes in the glycogen content of muscle after denervation in early post-natal life in rats. Chekh. fiziol. 3 no.1:53-58 1954.

1. Biology Institute, Czechoslovak Academy of Science. Physiology Department, Prague.

(GLYCOGEN, metabolism,
musc., after denervation in newborn rats)
(MUSCLES, metabolism,
glycogen, after denervation in newborn rats)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J

EXCERPTA MEDICA Sec.2 Vol.10/3 Physiology March 57

1269. MARTÍNEK J. Fysiol. Úst. CsAV, Praha. *K vývoji nervových mechanismů regulujících zásobu svalového glykogenu u morčat a králíků. Development of nervous mechanisms regulating the reserve of muscle glycogen in guinea-pigs and rabbits ČSL. FYSIOL. 1956, 4/3 (302-308) Graphs 6 Tables 4

Liver and muscle glycogen were determined during the postnatal development of rabbits and guinea-pigs. Muscle glycogen was also determined in animals of various ages 3 days after denervation (section of sciatic nerve) in guinea-pigs and 1 day after denervation in both rabbits and guinea-pigs. Liver glycogen falls rapidly and deeply after birth and then rises to adult levels on the 18th day in guinea-pig and after the 22nd day in rabbits. One day after denervation there is a drop in glycogen content of the denervated muscle in rabbits younger than 10 days. A rise is observed in animals older than 10 days. In guinea-pigs, 3 days after denervation there is no change in animals younger than 26 days but a considerable drop in denervated-muscle glycogen in older animals. Hahn - Prague

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Jiri

Variations of glycogen content in striated muscles following denervation. Cesk. fysiol. 5 no.1:70-75 26 Mar 56.

1. Fysiologicky ustav CSAV, Praha.
(MUSCLES, metabolism,
glycogen, eff. of denervation, variations in rats (Cz))
(GLYCOGEN, metabolism,
musc., eff. of denervation, variations in rats (Cz))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.; Tekhnichesky sotrudnik Vera Keller

Interspecies variabilities in glycogen content in the skeletal muscles following denervation. Physiol. bohem. 5 no.1:78-83 1956.

1. Fiziologichesky institut Chekhoslovatsky Akad. nauk, Praga.
(MUSCLES, metabolism,
glycogen, eff. of denervation, variability in various animals (Rus))
(GLYCOGEN, metabolism,
musc., eff. of denervation, variability in various animals (Rus))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.

KRECEK, J.; KRECKOVA, J.; MARTINEK, J.

Development of thermoregulation. V. Effect of breeding young rats in cold and warm environment on the development of thermoregulation. Cesk. fysiol. 6 no.3:341-346 Aug 57.

1. Fysiologicky ustav CsAV v Praze.
(BODY TEMPERATURE, physiology
thermoregulation in young rats raised in cold & warm environments (Cz))
(COLD, effects,
thermoregulation in young rats raised in cold environment (Cz))
(HEAT, effects,
thermoregulation in young rats raised in warm environment (Cz))

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[illegible], [illegible], [illegible], [illegible] HL; [illegible]

"Biology of the Nutrition of Ducklings; a book review."

CESKOSLOVENSKA FYSIOLOGIE, Praha, Czechoslovakia, Vol. [illegible], no. 4, July 1958

Monthly List of East Europe Accessions (ELAI), LC, Vol. [illegible], No. [illegible], Sept [illegible]
Unclas

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MARTINEK, J.

Cold adaptation of young homo-thermal animals. Cesk. fysiol. 7 no.4: 342-343 July 58.

1. Vysiologicky ustav CSAV, Praha.
(COLD,
adaptation of young non-hibernating mammals (Cz))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Jan, B. (Horni stromky 12, Praha 12.)

Data on external meatotomy. Rozhl. chir. 37 no.5:345-346 May 58.

1. Urologicke oddeleni Praha - Bulovka, prednosta prim. MUDr. Jos. Braun.

(URETHRA, surg.
external meatotomy, technic)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, J.;STANINCOVA, V.

Determination of total body water by means of heavy water. Cesk. Cesk. fysiol. 9 no.1:36-37 Ja 60.

1. Fysiologicky ustav CSAV. Ustav pro peci o matku a dite, Praha.
(DEUTERIUM)
(WATER)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

[illegible] [illegible]AKIA

[illegible]. MARTINEK and K. [illegible]APEK [Affiliation not given.]

[illegible] The Kidneys. Physiology, Clinical Physiology and [illegible]. Prague 1962."

[illegible], [illegible]eskoslovenska Fysiologie, Vol 12, No 3, May 6[illegible]; pp [illegible].

[illegible] Generally very favorable book review of this ma[illegible] [illegible] 'the Prague school of nephrologists' - 1043 pages, 3 [illegible] [illegible]ic citations, 309 graphs, 70 tables. A few very min[illegible] [illegible]tor[illegible] criticisms are made.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

JANOVSKY, M.; MARTINEK, J.; STANINCOVA, V.

Renal requirements of infants fed with human milk and formula. Cesk. pediat. 18 no.9:769-773 S '63.

1. Ustav pro peci o matku a dite v Praze, reditel doc. dr. M. Vojta, vedouci pediatrickeho vyzkumu doc. dr. K. Polacek Fyziologicky ustav CSAV v Praze, reditel prof. dr. Z. Servit, DrSc.

(INFANT NUTRITION) (SODIUM) (KIDNEY)
(URINE) (MILK, HUMAN)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

HELLER, J., MARTINEK, [illegible], [illegible], K.

Outline of [illegible] fysiol. [illegible]

Outline of [illegible] postnatal period in man. [illegible]

1. Fysiol [illegible] chorob [illegible], Praha.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK,J.; STOLZ,J.

Dysgenetic telangiectasis as a cause of unilateral renal hematuria. Rozhl. chir. 43 no.3:181-184 Mr'64

1. Chirurgicka klinika lekarske fakulty hygienicke KU v Praze (prednosta: prof.dr. E.Polak, DrSc.); Patologicko-anatomicky ustav lekarske fakulty hygienicke KU v Praze (prednosta: doc. dr. J.Stolz) a Urologicke oddeleni poliklniky OUNZ v Praze 3 (vedouci: MUDr. J.Martinek).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

JANOVSKY, M.; MARTINEK, J.; STANINCOVA, V.

On interpretation of the weight curve in infants. Cesk. pediat. 20 no.1:56-60 Ja '65

1. Ustav pro peci o matku a dite v Praze (zatimni reditel - doc. dr. J. Horsky; bedecl vyzkumneho oddeleni pediatrickeho - doc. dr. K. Polacek) a Fyziologicky ustav Ceskoslovenskej akademie ved v Praze (reditel - prof. dr. Z. Servit, DrSc.).

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ACC NR: AP5027375 CZ/0053/65/003/001/0079/0080

15
B

REVIEWER: Martinek, J.

TITLE: Nephrology for the general practitioner by Ota Schuck. Second edition. State Medical Publishing House, Prague 1964, 243p. 3000 copies printed.

SOURCE: Ceskoslovenska fysiologie, no. 1, 1965, 79-80

TOPIC TAGS: excretion, urology

ABSTRACT: The article is a review of a book published at Prague, by the Czechoslovak State Medical Publishing House; it has 243 pages, and was printed in an edition of 3,000 copies. The first edition published in 1962 was sold out. Theoretical principles and practical experience are equally treated. Some criticism of the book for its treatment of the questions of urine excretion is presented.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: LS

NO REF SOV: 000 OTHER: 000 JPRS

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

JANOVSKY, M.; MARTINEK, J.; STANINCOVA, V.; Technicka spoluprace: BALIKOVA, V.; BOUCKOVA, P.; CERNA, Z.

Water and electrolyte balance in infants on various nutritional regimen. (On problems of humanized milk). Cesk. pediat. 20 no.9: 759-766 S '65.

1. Ustav pro peci o matku a dite v Praze (reditel doc. dr. [illegible] Horsky, DrSc.; vedouci pediatrickeho vyzkumu doc. dr. [illegible] Polacek) a Fyziologicky ustav Ceskoslovenske akademie ved v Praze (reditel prof. dr. Z. Servit, DrSc.).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

CZECHOSLOVAKIA

MARTINEK, J.; JANOVSKY, M.; SMAHENCOVA, V.; SLECHTOVA, R.; VICHNAR, M.; Physiological Institute, Czechoslovak Academy of Sciences, Institute for the Care of Mother and Child (Fysiologicky Ustav CSAV, Ustav pro Peci o Matku a Dite), Prague; Institute for Unweaned Children (Kojenecky Ustav), Karlovy Vary.

"Physiology of Antidiuretic Hormone (ADH) in Unweaned Children."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 3, May 66, pp 206-211

Abstract: Children younger than 2½ months are unable to excrete hypertonic urine after intravenous administration of vasopressin during water diuresis; this is due to a low sensitivity of the distal system. Vasopressin does not increase permeability to water, and decreases glomerular filtration which causes antidiuresis accompanied by an increased osmolarity of urine in the youngest children. The development of the sensitivity of the distal system to vasopressin affects only resorption of water. 6 Figures, 17 Western, 8 Czech, 1 Russian reference. Submitted at 15 days of Physiology-Symposium of Water Metabolism- 29 May 65.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

CZ [illegible]

[illegible], J.; Physiological Institute, Czechoslovak Academy of Sciences (Fysiologický Ústav CSAV), Prague.

"The Weaning Period in Animals."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, pp [illegible]

[illegible]: Different stages in the development of various species [illegible] are discussed. The period of suckling and of weaning [illegible] are reviewed. Means of collecting information about [illegible] described. General biological and ecological [illegible] of the suckling period are discussed. General [illegible] development of the homeostasis [illegible], and the physiology of the mammary [illegible] described. Premature weaning and its [illegible] are discussed. The influence of the [illegible] of the young from the mother, as far as the [illegible] nervous system is concerned, is described. [illegible] between development of man and animal in the early stages [illegible] is discussed. 6 Figures, 2 Tables, 54 Western, 47 Czech, [illegible] Russian, 1 East German reference. (Manuscript received 15 Mar 66).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, K.

"A new mobile crushing and granulating machine."

p. 227 (Mechanisace, Vol. 5, No. 6, June 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 9, September 1958.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

The status of the Czechoslovak nationalized chemical industry. Karl Martinek. *Chem. Obzor* 22, 110-11 (1947). Czechoslovak nationalized chem. industry represents about 70% based on the number of employees, and about 75-80% based on total producing capacity. Brief review of present difficulties, foreign competition, importance of this branch, and of its outlooks regarding exporting possibilities. Jan Micka

COMMON ELEMENTS

COMMON VARIABLES INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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83369

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E142/E235

5.4500 (D)

AUTHORS: Martínek, K., and Gottfried, J

TITLE: Effect of Anions on β-Radiation of Potassium Salts

PERIODICAL: Chemický průmysl, 1960, Nr 4, pp 192-194

ABSTRACT: Radioactive decomposition of the natural K^{40} isotope, proceeds at a very slow rate under formation of the non-radioactive isotopes Ar and Ca and is accompanied by β- and γ-radiation. It is, therefore, possible to assume that the isotope-composition of natural potassium is constant (Ref 1). In general, there is a linear dependence between the radiation intensity of potassium and its concentration in solutions (Ref 2), as well as in solid samples (Ref 3), except for potassium iodide (Ref 4) where the radiation intensity exceeds that due to the potassium content of the salt. It has been suggested that the increase in the radiation intensity of potassium salts in the presence of iodides and bromides is related to their concentration (Ref 6). Tests were carried out on the radiometric estimation of potassium in NPK fertilisers and the effect of various anions on the β-radiation of potassium was evaluated. It was found that the radiation intensity in

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E142/E235

Effect of Anions on β-Radiation of Potassium Salts

solid samples was increased by J^-, Br^- as well as Cl^- and other anions having a higher atomic number than SO_4^{2-}, $Cr_2O_7^{2-}$, CrO_4^{2-}, JO_3^- and BrO_3^-. The intensity of radiation of potassium salts increases linearly with the atomic number of the anions. In potassium salt solutions the anions do not affect the radiation intensity. The authors suggest that the increase in the radiation intensity is due to the photoelectric absorption of the γ-radiation of the potassium anions. There is 1 figure, 2 tables and 12 references, 5 of which are Soviet, 2 Czech, 4 English and 1 French.

ASSOCIATION: Výzkumný ústav anorganické chemie, Ústí n. Labem (Research Institute for Inorganic Chemistry, Ústí n. Labem)

SUBMITTED: December 20, 1959

Card 2/2

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19 4

Influence of anions on β-radiation of potassium salts. ~~K.~~ Martinek and J. Gottfried (Výzk. ústav anorg. chemie, Ústí n.L., Czech.). *Chem. průmysl* 10, 192-4(1960).—The β-radiation intensity of satd. layers of cryst. K salts was measured with relative deviation 0.01 and on the background of 18 impulses/min. The no. of impulses answering to the content of 1% K was compared for KNO_3, K_2CO_3, KH_2PO_4, K_2SO_4, $KHSO_4$, $K_2Cr_2O_7$, K_2CrO_4, $KBrO_3$, KCl, KIO_3, KBr, and KI, and its av. value was 17 impulses/min. It was found that the increase of radiation intensity is caused by all anions and that the increase is in linear dependence with the at. no. of anions or av. at. no. of complicated anions, resp. It is supposed that the increase of β-radiation intensity is caused by a secondary β-radiation, which arises by a freeing of anion electrons at a photoelec. absorption of γ-radiation of K. The increase of radiation intensity did not occur on measuring 10% soln. of K salts. The same value 14 impulses/min. for 1% K was obtained for all salts in this case.

P. ~~Čefelín~~.

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87537
S/079/60/030/012/023/001
B001/B064

54300 1273 1160 1242

AUTHORS: Berezin, I. V., Kazanskaya, N. F., and Martinek, K.

TITLE: Reactivity of Toluene Bonds in the Interaction With Free Methyl Radicals

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 12, pp. 4092-4093

TEXT: The authors investigated the reactivity of tritium atoms in different positions in the toluene molecule, in the reaction of the latter with free methyl radicals. The reaction proceeded by thermal decomposition of acetyl peroxide in a medium of toluenes tagged with tritium, at a temperature between 60-96°C (Ref. 1). The methane formed was separated from the other reaction products and toluene, pumped into the counter, where its radioactivity was determined. The specific radioactivity of the toluene used in the experiments was determined in the same counter. The radioactivity of the toluene used for the experiments has the following ratio: $I_m/I_{tol} = K_i^T/K_\sigma^H$, where K_i^T = the constant for the velocity with which the CH_3 radical separates tritium in the position i; K_σ^H = the total

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Reactivity of Toluene Bonds in the Interaction With Free Methyl Radicals

S/079/60/030/012/033/037
B001/B064

constant for the separation of the hydrogen atoms from the toluene mo[illegible] (Ref.2) Since K_{σ}^{H} is independent of the character of tagging it is possible to determine by this formula the ratio between the rate constants of the reactions of the methyl radical with C—T bonds in different positions. The relative rate constants, the differences of the activity energies, and the ratio of the factors of the exponential function, the separation reactions of the tritium atoms and hydrogen on different bonds of the toluene molecule by free methyl radicals were determined. It was shown that the growth of the methane activity forming in the interaction of methyl and toluene, which is tagged with tritium in the cycle, is due to the addition of methyl to the π-bonds and the formation of products containing mobile tritium atoms. The following data are listed:

tagged with T	K_i^T/K_n^T at 85°C	$\Delta E = E_i^T - E_{CH_3}^H$ (cal/mole)	$A_i^T/A_{CH_3}^H$
ortho-	0.76	4750±100	1±0.[illegible]
meta-	0.22	7900±250	2[illegible]±8
para-	[illegible]	4800±100	[illegible]±0.[illegible]
CH_3 group	156	2200±100	[illegible]±8

Card 2/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

Reactivity of Toluene Bonds in the Interaction With Free Methyl Radicals

87537
S/079/60/030/012/023/027
B001/B064

There are 1 table and 3 references: 2 Soviet and 1 US

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: January 26, 1960

Card 3/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

BEREZIN, I.V.; KAZANSKAYA, N.F.; MARTINEK, K.

Reactivity of toluene bonds in the reaction with free methyl radicals. Zhur.fiz.khim. 35 no.9:2039-2046 '61. (MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Toluene) (Radicals (Chemistry))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

L 21760-65 EWA(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/EWA(b)/EWA(1) Pc-4/Pr-4/Pu-4/Pab RPL GG/RM/WW/JFW

ACCESSION NR: AP4049614 S/0076/64/038/011/2702/2703

AUTHOR: Berezin, I. V.; Martinek, K.

TITLE: Concerning the formation of free radicals in the radiolysis of cyclohexane and n-heptane by beta rays from tritium

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 11, 1964, 2702-2703

TOPIC TAGS: free radical formation, cyclohexane irradiation, heptane irradiation, tritium beta ray

ABSTRACT: Using the method described in Zh. fiz. khimii 38, 998 (1964), the authors have found that in the radiolysis of cyclohexane and n-heptane by beta rays from tritium, in each decay there are formed 1600 ± 200 hexyl-or heptyl free radicals. In the solid phase at 85C, in the presence of air or of inhibiting additions of iodine and n-benzoquinone, the free-radical exchange of hydrogen atoms between cyclohexane and the addition of hydrocarbon (marked with tritium) was not observed. Orig. art. has: 1 figure

Card 1/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

L 20760-65

ACCESSION NR: AP4049814

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 22Nov63 ENCL: 00

SUB CODE: GC, NP NO REF SOV: 004 OTHER: 008

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

L 8104-66 EWT(m)/EPF(c)/EWP(j) RPL WW/RM

ACC NR: AP5026457 SOURCE CODE: UR/0204/65/005/005/0697/0705

AUTHOR: Berezin, I. V.; Martinek, K.

ORG: Moscow State University im. M. V. Lomonosova, Chemical Department (Moskovskiy Gosudarstvennyy universitet, Khimicheskiy fakul'tet)

TITLE: Methyl free radical liquid phase oxidation with molecular oxygen

SOURCE: Neftekhimiya, v. 5, no. 5, 1965, 697-705

TOPIC TAGS: free radical, reaction mechanism, oxidation

ABSTRACT: Liquid phase oxidation of methyl free radicals was investigated by studying the disproportionation mechanism and reactivity of methyl peroxide free radicals (the original unstable products of the oxidation of CH_3 radicals). Thermal decomposition (60-90C) of 0.1 molar acethyl peroxide in cyclohexane provided the methyl free radicals. The presence of oxygen was found to have no effect on the rate of acetyl peroxide thermal decomposition. Chromatographic analysis

Card 1/1 UDC:547.211.024:542.943:547.024-14

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

L 8104-66

ACC NR: AP50[illegible]6457

and IR spectra indicated the oxidation products to be methanol, formaldehyde, cyclohexanol, cyclohexanone and methyl and cyclohexyl hydroperoxides. Methyl peroxide radicals reacted for the most part to form methanol formaldehyde and oxygen. The disproportionation of the secondary peroxy radicals proceeds through the formation of an activated complex which is then decomposed to the alcohol and ketone. Cyclohexylperoxide radicals formed an active complex by reaction with the hydrogen atom of methyl peroxide radicals. The complex then broke down to form cyclohexanol and formaldehyde and smaller amounts of cyclohexanone and methanol. It was confirmed that the formation of methyl acetate by the decomposition of acetyl peroxide is also independent of the presence of oxygen and is effected by a cage reaction. Orig. art. has: 5 figures and 1 table and 15 equations.

SUB CODE: OC, TD/ SUBM DATE: 20Oct64/ ORIG REF: 012/ OTH REF: 026

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

CZECHOSLOVAKIA

DOHNALEK, J.; EYSSELT, M.; MARTINEK, K.; POLASKOVA, A.

1. Dept. of Radiology and Nuclear Medicine, Faculty of Medicine, Purkyne Univ (katedra radiologie a nuklearniho lekarstvi lekarske fakulty UJEP), Brno (for 7); 2. Third Internal Clinic, Faculty Hospital (III vnitrni klinika Fakultni nemocnice), Purkyne Univ., Brno (for 7)

Brno, Vnitrni lekarstvi, No 11, November 1966, pp 1056-1060

"Detoxication of o-iodbenzoic acid-I^{131} in some hepatic and renal diseases."

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

L 09064-67 EWT(m)/EWP(j) WW/JW/RM

ACC NR: AP6023961 SOURCE CODE: UR/0204/66/006/002/0302/0308

20

19

AUTHOR: Sergeyev, G. B.; Papisova, V. I.; Martinek, K.; Chen Ton-kha

ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet)

TITLE: Reactions of nitrogen oxides with unsaturated compounds at low temperatures

SOURCE: Neftekhimiya, v. 6, no. 2, 1966, 302-308

TOPIC TAGS: nitrogen oxide, olefin

ABSTRACT: A thermographic method was used to study the reactions of N_2O_4, NO, and N_2O with ethylene, propylene, 1-butene, isobutylene, 1-hexene, cyclohexene, acetylene, methylacetylene, allene, benzene, 1,3-butadiene, 1,3-cyclopentadiene, and 1,3-cyclohexadiene at subzero temperatures. N_2O_4 reacted at a high rate with 1-butene, 1-hexene, and cyclohexene at about -40, -32, and -66° respectively, and with propylene and isobutylene at -35 and -74°. The reactions of 1,3-butadiene and 1,3-cyclopentadiene with N_2O_4 were even more vigorous. Ethylene, acetylene, cyclohexadiene and certain other compounds did not react with N_2O_4 at low temperatures. NO and N_2O did not react with any of the unsaturated compounds at low temperatures. Infrared spectroscopic analysis of the reaction products, performed after heating the reacted mixture of acyclic olefins and N_2O_4 to room temperatures, showed that chiefly nitrates and nitro compounds were formed. The reaction of N_2O_4 with olefins is explained in terms of

Card 1/2 UDC: 546.172.5/.6+546.174]:547.31

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

L 09064-67

ACC NR: AP6023961

complex formation. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 07/ SUBM DATE: 26Aug65/ ORIG REF: 013/ OTH REF: 009

Card 2/2 mst

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Karel, MUD

MARTINEK, Karel, MUDr

Diagnosis of acute mucous gastritis. Sborn. pathofysiol. trav. vyz. 8 no.2:80-82 My '54.

1. Z III. interni kliniky Masarykovy university v Brne, zastupujici prednosta prof. MUDr Jaroslav Pojer.
(GASTRITIS, diagnosis,
*mucous gastritis)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, K.; VRUBEL, Fr.; TOVAREK, J.

Serum pepsinogen in differential diagnosis in gastric diseases and its significance in gastrointestinal hemorrhage. Cesk. gastroenter. 12 no.6:454-458 Nov 58.

1. III. vnitrni klinika university v Brne, prednosta profesor dr. Jar. Pojer. I. chirurgicka klinika university v Brne, prednosta profesor dr. Jos. Podlaha. K.M. Brno, Vystavni 13.

(ENZYME PRECURSORS, in blood,
pepsinogen, diag. value in gastric dis. & gastrointestinal hemorrh. (Cz))
(STOMACH, dis.
blood pepsinogen, diag. value (Cz))
(GASTROINTESTINAL SYSTEM, hemorrh.
same)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

BEREZIN, I.V.; KAZANSKAYA, N.F.; MARTINEK, K.

Reactivity of toluene bonds in the interaction with free methyl radicals. Zhur. ob. khim. 30 no.12:4092-4093 D '60. (MIRA 13:12)

1. Moskovskiy gosudarstvennyy universitet.
(Radicals (Chemistry)) (Toluene)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, KAREL

POJER, Jaroslav
SURNAME, Given Names

5

Country: Czechoslovakia

Academic Degrees: Professor, MD

Affiliation: Third Internal Clinic (III. vnitrni klinika), MU /Masarykova universita; Masaryk University/, Brno; Director: Professor Jaroslav POJER, MD.

Source: Prague, Vnitrni Lekarstvi, Vol VII, No 5, 1961, pages 495-499.

Data: "Serum Transaminases in Acute Pancreatitis."

Co-authors:

MARTINEK, Karel, Third Internal Clinic, MU, Brno.

NINGER, Edgar, Third Internal Clinic, MU, Brno.

TOVAREK, Josef, Third Internal Clinic, MU, Brno.

BPO 981643

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, K.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: MD

Affiliation: Third Internal Clinic, J. Ev. Purkyne University (III. vnitrni klinika university J.Ev. Purkyne), Brno; Director: Prof J. POJER, MD.

Source: Prague, Prakticky Lekar, Vol 41, No 13, 1961, pp 610-612.

Data: "The Internist and the Extrapulmonary Tuberculosis."

181

GPO 981643

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

POJER, Jaroslav; NOVAK, Alois; MARTINEK, Karel

Cardiac disorders in hiatus hernias. Cas.lek.cesk 100 no.6:165-170 10 F '61.

1. III. Interni klinika v Brne, prednosta prof. dr. Jaroslav Pojer, I. Chirurgicka klinika v Brne, prednosta prof. dr. Josef Podlaha.

(HERNIA DIAPHRAGMATIC compl)
(HEART DISEASES etiol)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, K.; NINGROVA, B.; VRUBEL, F.

Gastric resection in peptic ulcer and pulmonary tuberculosis. Cas. lek.cesk 101 no.3:77-81 19 Ja '62.

1. III interni klinika v Brne, prednosta prof. dr. J. Pojer, I chirurgicka klinika v Brne, prednosta prof. dr. J. Podlaha.

(GASTRECTOMY) (TUBERCULOSIS PULMONARY)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

VRUBEL, F.; MARTINEK, K.

Cancer of the pancreas. Rozhl. chir. 42 no.2:92-100 F '63.

1. I. chirurgicka klinika lekarske fakulty UJEvP v Brne, prednosta prof. dr. J. Podlaha, DrSc. III. interni klinika lekarske fakulty UJEvP v Brne, prednosta prof. dr. J. Pojer.
(PANCREATIC NEOPLASMS) (BLOOD SEDIMENTATION)
(NEOPLASM METASTASIS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

2

POJER, Jaroslav, Dr; NINGEROVÁ, Běla; MARTÍNEK, Karel

Czechoslovakia

Third Internal Clinic in Brno -- Brno (III. vnitřní klinika v Brně -- Brno); Director: Prof Jaroslav POJER, Dr. -- (for all)

Prague, Vnitřní lékařství, IX-1, 1963, pp 53-57

"Staphylococcal Pneumonia."

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

CZECHOSLOVAKIA

V. SRUOVA and [illegible] MARTINEK, Third Internal Medicine Clinic (III. [illegible] klinika) Medical Faculty [illegible] [Universita[illegible] [illegible] Purkyne]. Head (Prednosta) Prof [illegible] POJ[illegible], Brno.

"Diseases Associated with Ulcerative Colitis."

Prague, Casopis Lekaru Ceskych, Vol 102, No 3, 1[illegible] Jan 6[illegible]; pp [illegible]-69.

Abstract [English summary modified]: Of 22 patients with ulcerative colitis, [illegible] had arthralgia before and [illegible] during ulcerative colitis syndrome; authors assume both are manifestations of the same basic "hypocergic, immunotoxic" reaction. Three tables; 7 Czech and [illegible] Western references.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

CZECHOSLOVAKIA

[illegible], V., and [illegible], [illegible], [illegible] Clinic of Internal Diseases (III. Vnitrni Klinika), Faculty of Medicine [illegible], J. Ev. Purkyne University, Brno, Prof. Dr. J. [illegible], director.

"Peptic Ulcer in the Course of Pulmonary Emphysema."

Prague, [illegible], Vol [illegible], No [illegible], [illegible] September [illegible], pp [illegible].

Abstract [Authors' English summary]: Peptic ulcers in severe emphysemas were found in [illegible] percent of cases during necropsy and in [illegible] percent of clinical patients during a systematic examination of the stomach. The atypical course and possible hemorrhage [illegible] the ulcer are pointed out. X-ray examinations are recommended for all patients with emphysema and [illegible] to ensure an early treatment of the peptic ulcer and to prevent complications. Fifty-seven references, including 22 Czech.

1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

CZECHOSLOVAKIA

CHURY, Z; MARTINEK, K.

1. Chair of Pathological Physiology (Katedra patologicke fyziologie), Brno; 2. Third Internal Medicine Clinic of J. E. Purkyne University (III. vnitrni klinika University J. Ev. Purkyne), Brno

Prague, Vnitrni lekarstvi, no 10, 1963, pp 1015-1016

"A Contribution Relative to the Present Incidence of Leukemia and Hepatic Cirrhosis."

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, K.; VRUBEL, F.

Disorders of sugar regulation in patients with cancer of the pancreas. Rozhl. chir. 42 no.6:422-425 Je '63.

1. III vnitrni klinika lekarske fakulty UJEvP v Brne, prednosta prof. dr. J. Pojer. I chirurgicka klinika lekarske fakulty UJEvP v Brne, prednosta prof. dr. J. Podlaha, DrSc.
(PANCREATIC NEOPLASMS) (CARBOHYDRATE METABOLISM)
(GLYCOSURIA) (GLUCOSE TOLERANCE TEST)
(DIABETES MELLITUS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

DRAZILOVA, V.; MARTINEK, K.

Peptic ulcer in the course of pulmonary emphysema. Cas. lek. cesk. 102 no.39:1073-1077 27 S '63.

1. III vnitrni klinika lekarske fakulty UJEvP v Brne, prednosta prof. dr. J. Pojer.
(PEPTIC ULCER) (PULMONARY EMPHYSEMA)
(PULMONARY HEART DISEASE) (AUTOPSY)
(STATISTICS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

BEREZIN, I.V.; MARTINEK, Karel

Reactivity of cyclohexyl and heptyl free radicals in the reaction with C sec. - T bond of some hydrocarbons in the liquid phase (effect of conjugation). Zhur. fiz. khim. 38 no.4:998-1000 Ap '64. (MIRA 17:

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

VITULOVÁ, V.; MARTINEK, K.

An uncommon complication of gold therapy. Fysiat. vestn. 43 no.6:356-359 D '65.

1. II. interni klinika (prednosta: prof. dr. J. Polcak) a III. interni klinika (prednosta - prof. dr. Pojer) lekarske fakulty University J.E. Purkyne, Brno.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

[illegible], I.

[illegible]
Vol. [illegible], no. [illegible], [illegible].

[illegible]CE: [illegible]
Vol. 5, [illegible], [illegible] 6.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

SOUKUP, Lubomir; MARTINEK, Ladislav; [illegible], Josef, Inz.

New method of manufacturing flywheel gear rims. Automobil Cz 8 no.1:24-25 Ja '64.

1. Automobilove zavody, Mlada Boleslav.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINI, Leszek

Kinetic stability of a triple flat insulator chain attached in a single point to the tower. Rozpr elektrotech 9 no,4: 471-490 '63.

The economical span of overhead electric power lines. 491-510

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, M.

"Cataloging and classifying cartographic collections."

p. 150 (Kartograficky Prehled) Vol. 10, no. 4, Dec. 1956
Prague, Czechoslovakia

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

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

[illegible], [illegible].

[illegible], [illegible]. [illegible]
vakia. [illegible]. 32.

[illegible]
[illegible]
[illegible]
Czechoslovakia

[illegible]

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

S/194/62/000/003/037/[illegible]
D230/D301

16.8000

AUTHORS: Martinek, Miloslav, and Svoboda, František

TITLE: A pulsed computer for definitions of not less than two variable quantities

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 3, 1962, abstract 3-1-117p (Chekhoslovak. pat., kl. 42m, 14, 21 c, 46/54, no. 96548, 15.09.60)

TEXT: A device providing a change in not less than two variable quantities according to a definite law is patented. This device may control working machines, such as supports for the [illegible] of a metal-cutting machine etc., having not less than two variable coordinates. The pulsed-type device has considerable accuracy, [illegible] is inexpensive. The computer can regulate the operation time, prepare a program of changing the coordinates, and also control driving engines. Rectangular d.c. pulses are applied via a switching circuit to the input of the main computer; the computer has capacity for storing these pulses depending on the time of a single

Card 1/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

S/194/62/000/007/[illegible]
D230/D301

A pulsed computer ...

operation. When the number of input pulses corresponds to a [illegible] volume, a separate signal actuates the switching circuit [illegible] pulses do not reach the input of the main computer. In [illegible] counter, triangular pulses are formed, constant in number, [illegible] the pulse spacing dependent on operation time, or on the [illegible] lume of the main computer. These pulses are applied via [illegible] ing programmers to two motors and, simultaneously, to two [illegible] counters which, depending on the program, can either add to [illegible] tract from, the number of pulses at the output of the [illegible] grammers to the servomotors. Thus, for instance, for the [illegible] linear dependence between two coordinates of the [illegible] liary counters are excluded, and the switching circuit [illegible] 9th and 11th pulse, respectively. When a nonlinear dependence [illegible] required auxiliary counters are switched in, these can either add to, or subtract from, the number of the control pulses in [illegible] to the given nonlinear dependence. At the end of the [illegible] tion, the main computer is filled again and the operation [illegible] peated, etc. When a change-over of all the blocks takes [illegible] that time, the operation time and the function dependence [illegible]

Card 2/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

S/194/62/000/003/007/0[illegible]
D230/D301

A pulsed computer ...

accordance with the new program. Auxiliary counters, indirectly shaping the signal, have no memory units, the arrangement being a simple one. By analogy, it is possible to control three, or more, coordinates. 4 figures. /Abstracter's note: Complete translation/

Card 3/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

S/194/62/000/005/149/157
D271/D308

93280

AUTHORS: Martinek, M., and Svoboda, F.

TITLE: Method and apparatus for the generation of uniformly distributed pulses

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-7-273 1 (Chekhosl. pat. kl. 42 m, 14; 21a[1], 36, no. 97372, 15.11.1960)

TEXT: The method of obtaining uniformly distributed pulses with variable frequency and the apparatus used for this purpose are patented. It is proposed to use binary-decimal codes differing in values for the decade pulse counter and for the controller. Code 1, 2, 4, 8 is proposed for the decade counter, and code 5, 2, 1, +1 - for the controller. Output pulses of the decade counter are passed by the controller according to its code and are then rectified and added at the common output. In order to obtain the required frequency of the output pulses, e.g. 0.8 of the frequency at the input of the decade counter, the controller is set to number 8 (in the 5, 2, 1, +1 code this reads 1110). A memory circuit, auxiliary pulse coun-

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S/194/62/000/005/149/157
D271/D308

Method and apparatus for the ...

ter or a shift register can be used as controllers. Block-diagram with above given codes and pulse distribution table are shown. [Abstractor's note: Complete translation].

Card 2/2

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S/194/62/000/009/005/100
D222/D309

AUTHORS: Martinek, Miloslav and Svoboda, František

TITLE: A method of transmitting readings to a digital counter

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 9, 1962, abstract 9-1-82 zh (Czech. pat., cl. 42m, 14; 21c, 47/54, no. 97879, Jan. 15, 1961)

TEXT: This is a patent of an electronic circuit for the transformation of data represented in a sequential form read from magnetic tape into a parallel form. 2 figures. [Abstracter's note: Complete translation.]

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S/194/62/000/011/007/062
D201/D308

AUTHORS: Martínek, Miloslav and Šesták, František

TITLE: A multiple contact camera

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 11, 1962, 57, abstract 11-1-76yu (Czech. pat., cl. 42m, 14, 43a, 41/02, no. 99543, May 15, 1961)

TEXT: A construction of a multi-contact perforated tape or card readout camera is proposed. Steel moving contacts (MC) are placed at a moving reversible cassette and retained in place by the permanent magnet, magnetizing the perforated plate of the magnetic circuit, through which the pins of the MC pass. The MC are connected to the common output of the readout supply system. [Abstracter's note: Complete translation.]

Card 1/1

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MARTINEK, M.

Professor [illegible]

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, V.

Numerical expression of the density in the occurrence of the bark beetle Ips typographus L. on trunks in a period of overpopulation. p. 411.
SBORNIK. RADA LESNICTVI. Praha.
Vol. 29, no. 6, June 1956

SOURCE: BEAL - LC Vol. 5 No. 10 Oct. 1956

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, V.

Problems of related generations of the bark beetle Ips typographus L. p. 615.

RADA LESNICTVI. Vol. 29, no. 9, Sept. 1956.

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

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MARTINEK, V.

"Utilization of heterosis in the poppy."

VESTNIK. Praha, Czechoslovakia, Vol. 5, No. 7/8, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 9, September 1959.

Unclassified.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

BOZDECH, Vaclav; JIRA, Jindrich; MARTINEK, Vaclav; Matematicko-statisticka spoluprace: Jiri Vondracek

Complement fixation reactions in toxoplasmosis. II. Result of serial examination of normal and sick subjects. Cas.lek.cesk 100 no.27/28: 872-880 7 Jl '61.

1. Katedra mikrobiologie lekarske fakulty hygienicke KU, prednosta doc. MUDr. J. Sedlak a Protozoologicka laborator Cs. akademie ved, prednosta akademik O. Jirovec, Praha. 2. Matematicky ustav CSAV. (for Vondracek).
(COMPLEMENT) (TOXOPLASMOSIS diag)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

PISEK, Jaroslav, inz.; KALAB, Jiri, inz.; MARTINEK, Vladimir, inz.

Reconstruction of the ZIF 300 boring set. Geol prurzkum 6 no.8: 249 Ag '64

1. Jachymovske doly; Geologicky prurzkum National Enterprise, Pribram; Central Administration of Radioactive Raw Material Research and Mining, Development Center, Pribram.

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MARTINCK, Z.

621.9 229.3

30. **The use of chucking devices operating with hydroplastic materials on machine tools, primarily on lathes** — *Hydroplasztikus anyaggal működő befogó berendezések alkalmazása szerszámgépeken, elsősorban esztergapadokon* — Z. Martinck. (Machinery — *Gép* — Vol. 5, 1953. No. 1, pp. 6—15, 15 figs.)

The centering ability of mechanically operated chucks and expanding mandrels is limited to holding cylindrical base surfaces. However the centering ability of chucking devices incorporating a hydroplastic material is within 0.005 mm if the tolerances of the base surfaces to be chucked are ISA H6, H7, H8 for internal and h6, h7, h8 for external surfaces. The devices operate on the following principle: the inner surface of a thin-walled elastic steel cylinder is subjected to a liquid pressure by inserting a so-called plunger screw into the enclosed space. This causes the expansion of the elastic cylinder as a consequence of which the job is clamped. The enclosed space is filled with a hydroplastic substance. The properties of this substance are identical to that of a liquid, it is incompressible, therefore, in principle, it transmits pressure without any loss. Joints are not required to be [illegible] tight as for liquids, e. g. no seepage can be observed through an 0.01 mm crevice at 100 at pressure. The study describes methods of dimensioning, and the manner of preparing the hydroplastic substance.

Z. M.

Hungarian Technical Abst.
Vol. 6 No. 1
1954

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Z.

"Quick-clamping Instruments for [illegible]s" p. [illegible], (GEP, Vol. [illegible], July [illegible], Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. [illegible], Nov. [illegible], [illegible].

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Z.

40. The mechanical attachment of carbide tool tips — *Kemény fémlapka mechanikus felerősítésének elmélete* — Z. Martinek. (Machinery — *Gép* — Vol. 6, 1954, No. 2, [redacted].)

Carbide tips may be attached rigidly, semirigidly or flexibly. Brazing is a *rigid* method of attachment in which the brazing material possesses a stress-equalizing effect. This effect increases in proportion to the thickness of the layer of brazing metal while strength decreases. Optimum thickness of the layer is 0.15 mm if brazing material is applied by itself, 0.30 mm if steel wire netting is also used. Mechanical attachment is called *semirigid* when the tip is forced against its seat in the shank by screws, etc. It is called *flexible* when the tip is forced against the seat and held there during the entire operation by the cutting pressure. This principle was applied in a new type device the life of which is 40% longer than that of semirigid tools and 100% longer than the life of brazed tools. The prime condition for preventing the carbide tip from tilting is that the resultant force must act within the area of the seat during cutting, further factors are the angles of the carbide tip, the quality of the material, etc.

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HUNG.

44. New type Hungarian-made quick-change lathe toolpost — Z. Martinek. (Gtp — Vol. 6, 1954, No. 7, p. 320, 1 fig.)

The quick-change toolpost answers all requirements. The toolholder is of dovetail design, the toolpost body has two slots arranged at right angles. The thus formed tongues can be forced against the central part with two nuts thereby clamping the toolholder. The toolpost was designed to meet the following requirements: (1) after replacement, the cutting edge of the tools should automatically be identically positioned, (2) the cutter must not shift under the effect of the cutting force, (3) rigidity preventing vibrations, (4) design ensuring easy and simple manufacture. The device completely answers the requirement (1) since work diameters measured before and after the change of a tool showed deviations within 0.01 mm only. Requirements (2) and (3) will most likely meet the anticipated favourable results in the course of practice. As to requirement (4), manufacture is simple and costs are low.

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Martinek

HUNG.

46. Multi-position holding fixtures — Z. Martinek. [Gép, Vol. 6, 1954, No. 8—9, pp. 345—353. 22 illus.]

These fixtures may be of the mechanical or hydroplastic type. Hydraulic clamping is not applied since the small surface would require such a high pressure (100 to 200 kg/cm²) which creates a great deal of difficulty in sealing the liquid. Mechanical fixtures are connected in parallel or in series. The latter is more advantageous for the clamping force is equally distributed between the individual jaws whereas with the former the clamping force must be applied separately to each jaw, therefore, much more force is required and the slightest deviation in dimensions results in uneven clamping. The various designs of devices connected in series are relatively simple. In hydroplastic fixtures the plastic composition is forced towards the workpieces from a cavity through orifices with reamed bores fitted with ground plungers; pressure is even throughout and can be accurately computed from the relative size of the bores. Permanent pressure is ensured by the fit of the plungers and the thick-flowing quality of the composition. Many types and designs of fixtures for accurate and rapid clamping of work of various size, shape and number are illustrated and described, including combined mechanical and hydroplastic fixtures. A well-proved composition consists of polyvinyl chloride 100 parts by weight, dibutyl phthalate 200, calcium stearate 4, Vacuum oil (winter grade) 100 parts by weight. The ingredients are mixed, stored at room temperature for 24 hours, heated to 160—170° C in a double-walled vessel (to be stirred only up to 80° C) and carefully (to avoid air bubble inclusions) poured into the fixture.

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MARTINEK, Z.

42. Rapid milling cutter with flexibly attached carbide tips — Z. Martinek. (Gép — Vol. 6, 1954, No. 12, pp. [redacted].)

In turning operations a 100% increase in edge life is obtained with flexibly attached tool tips as compared to brazed-on tips, furthermore, the former can best withstand shock-like loads. According to control calculations face milling can be regarded as a turning operation, therefore, tools with flexibly attached tips — which have proved their value in turning — may be taken as a basis for the design of face milling cutters with flexibly attached tips. A prototype has been constructed. The cutter operated faultlessly in the shop in the roughing of scaly steel castings and forgings, for a machining time of 270 min without sharpening. Max depth of cut was 5 mm, max speed 460 rpm and max table feed 210 mm per min.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Z.

Device for decreasing time spent on secondary operations, p. 5

Resolution of historical importance of the July session of the Central Committee of the Communist Party of the Soviet Union, p.8
MUSZAKI ELET. (Muszaki es Termeszettudomanyos Egyesuletek Szovetsege) Budapest Vol. 9 No. 12, Dec. 1954 (Magyar technika)

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

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[illegible] 3-5.

[illegible]

[illegible]
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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Z.

Czechoslovakia ranks eight in the production of watches. p. 297.

JEMNA MECHANIKA A OPTIKA. (Ministerstvo vseobecniho strojirenstvi) Prana, Czechoslovakia.
Vol. 4, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI, LC Vol. 8, no. 11, Nov. 1959
Uncl.

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MARTINEK, Z.

MARTINEK, Z. -- "Changes in the Salivation Reflexes as a Result of Destruction of the Cortex of a Single Hemisphere." Acad Med Sci USSR. Leningrad, 1956. (Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

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MARTINEK, Z.

Jiri Prochaska and Russia. Cesk. fysiol. 6 no.2:117-121 1957.

1. Fysiologicky ustav CSAV.
(BIOGRAPHIES,
Prochaska, Jiri (Cz))

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MARTINEK, Z.

MARTINEK, Z.

Jiri Prochazka and Russia. Physiol. bohem. 6 no.2:139-142 1957.

1. Fiziologicheskiy institut Chekhoslovatskoy AN, Praga.
(BIOGRAPHIES
Prochazka, Jiri (Rus))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Z

"7th National Convention of the Polish Physiological Society ."

CESKOSLOVENSKA FYSIOLOGIE, Praha, Czechoslovakia, Vol. [illegible], no. [illegible], July [illegible]

Monthly list of East Europe Accessions (EEAI), [illegible], Vol. [illegible], No. 6, Sept [illegible]
Unclas

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Z.

Problem of trophic effect of the sympathetic innervation of the salivary glands. Cesk. fysiol. 8 no.3:222-223 Apr 59.

1. Fysiologicky ustav CSAV, Praha. Predneseno na III. fysiologickych dnech v Brne dne 14. 1. 1959.
(SALIVARY GLANDS, innervation,
sympathetic, trophic eff. (Cz))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Z.

Changes of reactivity of the salivary glands to pilocarpine after their denervation. Cesk.fysiol. 9 no.3:249-250 My '60.

1. Fiziologicky ustav CSAV, Praha.
(PILOCARPINE pharmacol)
(SALIVARY GLANDS pharmacol)

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MARTINEK, Z. (Chekhoslovatskaya Sotsialisticheskaya Respublika, Praga)

Conference of Representatives from the Physiological Societies of the Socialist Countries. Fiziol. zhur. 47 no.10:1338-1339 O '61. (MIRA 15:1)

(PHYSIOLOGICAL SOCIETIES)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610002-6

MARTINEK, Zd.

Changes in the sensitivity of the parotid glands to pilocarpine following their denervation. Fiziol. zhur. 48 no.1:47-54 Ja '62. (MIRA 15:2)

1. From the Physiological Institute, Czechoslovak Academy of Sciences, Prague. (PAROTID GLANDS—INNERVATION) (PILOCARPINE)

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