

FISCHER, Antal, dr.

The significance of homeostasis in diagnosis. Orv. hetil. 106  
no.34:1585-1589 22 Ag'65.

I. Budapesti Orvostudományi Egyetem. II. Belklinika (igaagato:  
Gomori, Pal, dr.)

FISCHER, Andrej

Change of the elastic structure of the arterial wall in athletes  
and its hemodynamic significance. Cas.lek.cesk.99 no.36:1121-1125  
2 S'60.

1. Vyskumny ustav telovychovny, Praha, CSR.  
(VASOMOTOR SYSTEM physiol)  
(PHYSICAL EDUCATION AND TRAINING)

FISCHER, Anton

Canalicular function in normal and pathological kidneys.  
Pol. tyg. lek. 18 no.19/20:693-697 6-13 My '63.

I. Z II Kliniki Chorob Wewnętrznych Akademii Medycznej w  
Budapeszcie; kierownik: prof. dr P. Gomori.  
(KIDNEY FUNCTION TESTS) (KIDNEY DISEASES)  
(KIDNEY TUBULES)

FISCHER, Boguslaw (Stalinograd, ul. Batorego 8/3)

Ultrasonic therapy. Polski tygod. lek. 9 no.37:1205-1206 13 Sept 54.

1. Ze Szpitala Miejskiego Nr 4 w Stalinogrodzie; dyrektor: dr med.  
Jerzy Lwanski. Polski tygod. lek. 9 no.37:1205-1206 13 Sept 54.  
(PAIN, therapy,  
ultrasonics)  
(ULTRASONICS, therapeutic use,  
pain)

POLAND/Acoustics - Ultrasonics

J-4

Abs Jour : Ref Zhur - Fizika, No 2; 1959, No 4137

Author : ~~Fischer Boguslaw~~  
Inst : Technical University, Warsaw, Poland  
Title : Trials of Diagnostic Application of Ultrasonic Energy in Medicine.

Orig Pub : Proc. II conf. ultrason, 1956, Warszawa, PWN, 1957, 131-134

Abstract : Investigations were made on the clarification of the possibility of use of ultrasound for the determination of biological stones. It is possible to use for ultrasonic diagnosis biolocators that operate either with the single-feeler or double-feeler schemes, although the former method is more promising. From the point of view of the damping of ultrasound and obtaining the required directivity of the beam, therecommended frequencies are 0.5 to 4 Mcs. The data of the biological tests on the damaging action of ultrasound impose an upper limit on the intensity, namely several tens of milliwatts per square centimeter ( $0.5 \text{ m/cm}^2$  in pulses).

Card : 1/2

101

FISCHER, Bela; Nemes, Laszlo

Data on the properties, synthesis and industrial applicability  
of carboxymethylcellulose-sodium. Magy kem lap 15 no.3:112-116  
Mr '60.

1. Magyar Viscosagyar.

FISCHER, Bela

Polyamide silk in Hungary. Magy textil 15 no.4:184-185 Ap '63.

1. Magyar Viscosa Gyar fomernoke.

POŁAND/Microbiology - Sanitation Microbiology.

F-4

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67220

Author : Fischer, E.

Inst : Institute ryback.

Title : The Bacteriological Evaluation of the Possibility for Reusing Ice a Second Time in Cooling Fish.

Orig Pub : Prace Morsk. inst. ryback. Gdyni, 1955, 397-404

Abstract : Upon investigation of the ice from a refrigerator, intended for cooling fish and one from the boxes in which the fish were transferred from their catching place, there was found in one milliliter, from 620 to 3,090 and from 190 to 10,800 thousands of bacteria respectively. A preliminary washing of the ice from boxes with sterilized distilled water or with a 0.02% NaCl solution reduces the bacteria count to 3.5 to 286 thousands per one

Card 1/2



POLAND/Microbiology - Sanitation Microbiology.

F-4

Aps Jour : Ref Zhur - Biol., No 15, 1958, 67220

milliliter. The bacteria isolated from the refrigerator ice belong basically to Micrococcus, Sarcina, Serratia, Flavobacter and Proteus; those isolated from the boxed ice belonged to Pseudomonas and Achromobacter species. All of the bacteria cause spoilage of the fish due to an ability to dissolve gelatine, ferment carbohydrates, reduce nitrates and develop over a wide temperature range. It is recommended that the ice be protected from outside soiling. A reuse of the ice is not recommended due to a change in its structure and the penetration of bacteria during its melting.

Card 2/2

- 17 -

S/194/62/000/006/214/232  
D256/D308

AUTHOR: Fischer, E.

TITLE: Electronic measuring instruments and methods

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-7-259 kh (Elektron.Rundschau, 1961, 15, no. 10, 490, 492, 495, 496)

TEXT: Report of the 2nd International conference on measuring instruments and methods and the International measuring instrument exhibition in Budapest in the Summer of 1961. Special attention was given to the correlation methods, (power measurements: use of a correlation detector as an analog computer system: signal separation by cross-correlation). The theory of 2-stage current transformers was presented in detail: the accuracy of these transformers being  $< 0.02\%$  for frequencies ranging from 16 to 2500 c/s. A new impedance measuring arrangement was announced with a working range from 1 ohm to 1 Mohm at 25 c/s to 1 Mc/s frequency. An automatic Schering bridge was developed for capacitance and loss angle measuring. A small increase of capacitance can be determined with  $\sim 1\%$   
Card 1/2

Electronic measuring instruments and ... S/194/62/000/006/214/232  
D256/D308

accuracy by introducing a standard capacitance and the measured one alternately into the circuit of the oscillator. A circuit with three stable states was proposed for ternary numeration systems. Ionization detectors for gas chromatography and instruments for investigating the properties of semiconductor materials and devices were described. Specification data of some measuring instruments from Poland, Hungary and East Germany shown in the exhibition are briefly presented. [Abstracter's note: "Complete translation."] ✓

Card 2/2

FISCHER, E

POLAND / Chemical Technology. Chemical Products and Their Application. Food Industry. I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10441

Author : Borowik, J., Fischer, E., Ostrowski, S., and Trzesinski, P.

Inst : Not given

Title : Investigation of the Effect of Nitrite-Containing Ice on the Preservation and Quality of Baltic Codfish.

Orig Pub : Przem. spozywczy, 1956, Vol 10, No 7, 282-283

Abstract : Nitrite-containing ice prolongs the freshness of fish by 24-48 hrs, depending on the type of fish. The fish must be cleaned and packed in ice as soon as they are caught. The utilization of nitrite ice, containing on the average 0.1%  $\text{NaNO}_2$ , in the proportion of 75 parts of ice to 100 parts of fish at a temperature of  $\sim 10^\circ$  results in a maximum  $\text{NaNO}_2$  content in the fish which varies over a wide range, depen-

Card : 1/2

POLAND / Chemical Technology. Chemical Products and Their  
Application. Food Industry.

I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10441

Abstract : ding on the amount of nitrite which penetrates from the  
ice in the meat, the storage temperature, and the reduc-  
tion of the  $\text{NaNO}_2$ .

Card : 2/2

FISCHER, E.

"Lubricants in watches with special regard to the bearing materials and operating conditions."

JEMNA MECHANIKA A OPTIKA, Praha, Czechoslovakia, Vol. 11, No. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

FISCHER, E.

Bacteria of two water accumulations in the Tatra caves. Polskie  
arch hydrobiol 6:189-199 '59. (EEAI 9:8)

1. Zaklad Hydrobiologii Eksperymentalnej, Institut Biologii  
Doswiadezalnej im. M.Nenskiego  
(Poland--Caves) (Poland--Bacteria)  
(Tatra Mountains)

FISCHER, E.

Some types of bacteria metabolism of nitrogen compounds in small water  
reservoirs of the Warsaw region. Polskie arch hydrobiol 7:103-123 '60  
(Poland--Water) (Nitrogen) (Bacteria) (EEAI 10:3)



DCWGIALLO, A.; FISCHER, E.

Chemical and microbiological identification of the biolet water-coloring agent in a pool of Puszcza Kampinowska. Polskie arch hydrobiol 7:159-170 '60. (EEAI 10:3)

(Poland--Water)

(Chemistry)

(Microbiology)

FISCHER, E.

Comparative examination of histochemical reactions of alkaline phosphomonoesterase in the organism of *Carausius morosus* L. (Insecta, phasmidea). Acta biol. acad. sci. Hung. 16 no.2: 155-160. '65.

1. Institute of Zoology, Teacher's Training College, Pecs (Head: M. Weber). Submitted April 2, 1965.

FISCHER, E.W.

Distr: 4E2c(j)/4E3b/4E3d

✓ Thermodynamic stability of macromolecular crystals. I. The influence of the longitudinal vibrations of the chain molecules. A. Peterlin and E. W. Fischer (Univ. Ljubljana, Yugoslavia). *Z. Physik* 159, 272-87 (1960).—The free-energy density (f.e.d.) of a chain crystal contains 2 terms of opposite sign which both depend on the no.  $N$  of chain elements in the straight section of the macromols. between the surfaces of the crystal which are perpendicular to the  $c$  axis. One term (of pos. sign) comes from the surface energy and decreases with  $N$ . The other (neg.) term arises from the amplitude  $\phi$  of the periodic lattice field which opposes chain translation into the  $c$  direction. Owing to the incoherent longitudinal thermal vibrations of the 4 1st-order neighbors of any chain, the field  $\phi$  is smeared out. Its amplitude decreases with increasing  $N$  and hence the f.e.d. increases with  $N$ . As a consequence of the opposite signs of surface energy and lattice field the f.e.d. shows a min. at a finite  $N$  value which corresponds to the thermodynamically stable thickness of the crystal. With increasing temp. and smaller interaction between adjacent chains  $N$  increases. This is verified by the exptl. data on polyamides, polyethylene, and polytetrafluoroethylene. R. Nitsche

5  
 1-BW(BW)  
 1-JAJ(NB)  
 1-JAJ(MMP)  
 3

ju  
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P/011/60/031/006/001/001  
B115/B217

AUTHOR: Fischer, František (Praha)  
TITLE: First report on the far side of the Moon  
PERIODICAL: Urania, v. 31, no. 6, 1960, 171-176

TEXT: The present report was translated by Władysław Jodłowski. The author discusses the first paper on the invisible side of the Moon by Karol Peucker (born in 1859) who was an Austrian of Polish origin. Peucker divided the lunar surface into continents consisting partly of mountains, partly of "sea" plains. The latter form a broad irregular belt around the lunar globe. Peucker agrees with Darwin's hypothesis according to which this belt was an equatorial lunar zone which changed its position due to movements of the lunar surface over the still hot interior of the Moon. Peucker tried to substantiate this assumption by analogies on the Earth's surface. Later it was shaken by J. Franz who established the existence of the continental eastern and marine western hemisphere on the Earth. In 1904 Franz determined the position of the invisible crater on the far side of the Moon on the strength of the prolongation of the light beams of this crater. Peucker

Card 1/2

First report on ...

P/011/60/031/006/001/001  
B115/B217

thought that a simulation of the Moon is realizable with the aid of contour lines. He denied the possibility of changes on the lunar surface. He believes the new forms to be merely a completion of the hitherto known. Only large photographic lunar maps would be able to discover new objects. He pointed out that the lunar surface as seen by the observer does not correspond to the true forms, since the varying illumination changes their appearance. According to Peucker's opinion, a number of complementary drawings is necessary in order to obtain the true picture of the lunar surface. Only stereophotographs of the Moon furnished a more plastic picture of the lunar surface. Peucker suggested that to a number of observatories. He also should cooperate in preparing a comprehensive map of the Moon (1 : 1,000,000) suggested to compile a geoselenographic atlas. Ph. Fauth could not find an essential difference between the form of the visible and the invisible lunar surface on the strength of the investigations of the 345 km broad strip. In conclusion, the author points out that as late as last year the secret of the far side of the Moon was revealed, when Soviet scientists photographed the side of the Moon which is hidden from the human eye from the cosmic station. There are 1 figure and 1 non-Soviet-bloc reference.

Card 2/2

FISCHER, Franciszek (Praha, CSSR)

Selenography of the Wroclaw observatory. Urania 33 no.4:98-101  
Ap '62.

FISCHER, Frantisek, inz.

Defects steam low-pressure boilers and hot water boilers.  
Energetika Cz 15 no.1:27-28 Ja '65.

1. Institute of Technical Control, Prague.

FISCHER, F.A.

~~SECRET~~

35

PHASE I BOOK EXPLOITATION

POL/5981

Symposium on Electroacoustic Transducers. Krynica, 1958

Proceedings of the Symposium on Electroacoustic Transducers [held in] Krynica, 17-26 September, 1958. Warsaw, Panstwowe Wydawnictwo Naukowe, 1961. 442 p. Errata slip inserted. 630 copies printed.

Sponsoring Agency: Polish Academy of Sciences. Institute of Basic Technical Problems.

Ed. in Chief: Janusz Kacprowski, Doctor of Sciences; Editing Committee: Ignacy Malecki, Professor, Doctor of Sciences; Wincenty Pajewski, Doctor; and Jerzy Wehr, Master of Sciences; Secretary: Juliusz Mierzejewski.

PURPOSE: This book is intended for physicists and acoustical engineers.

COVERAGE: The book is a collection of detailed research papers constituting the proceedings of a conference held in Krynica from 17 to 26 September 1958 under the auspices of the Institute of Technical Problems, Polish Academy of Sciences.

Card 1/8



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Symposium on Electroacoustic Transducers

POL/5981

The following basic problems are treated: 1) theoretical research on energy transformation processes; 2) experimental development of new types of transducers; 3) electroacoustic measurements; 4) technology of piezoelectric and magnetostrictive materials; 5) construction of transducers for technical needs; and 6) design of acoustical transducer systems. No personalities are mentioned. References (if any) follow the individual articles.

TABLE OF CONTENTS:

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Problems of Research Work on Electroacoustic Transducers. Ignacy Malecki, President of the Conference	5
Ch. 1. General Problems and Theory of Electroacoustic Transducers	
1. Classification of electromechanical transformation methods in the light of the tasks faced within [sic] the design and construction of electroacoustic equipment. V. S. Grigor'yev	7

Card 2/8

Symposium on Electroacoustic Transducers

POL/5981

2. Symbols and models for mechanical systems. L. Cremer	23
3. Dual forms of four-pole equations and four-pole equivalent circuits of electromechanical transducers. Janusz Kacprowski	33
4. Equivalent circuits for material-active electromechanical (piezoelectric, electrostrictive, magnetostrictive) transducers in non-quasi stationary vibrations. <u>F. A. Fischer</u>	49
5. Transients and the equivalent circuit of the magnetostrictive transducer. <u>Leszek Filipczynski</u>	61
6. Electrical equivalent circuit of the piezoelectric transducer. <u>Leszek Filipczynski</u>	75
7. Four-pole equivalent circuits of piezoelectric bending vibrators. <u>A. Lenk</u>	85
8. Analysis of the equivalent circuit of the magnetostrictive transducer. <u>Roman Suwalski</u>	93
9. A method of calculating transients in nonlinear transducers. <u>Jozef Tabin</u>	101
10. Electrodynamic transducer utilizing displacement currents in dielectrics with high dielectric permeability. V. S. Grigor'yev, L. N. Nikitina, and J. [sic] <u>A. Ukhanov</u>	105

Card 3/8

FISCHER, GY.

Management of industrial plants in  
the Soviet Union. p. 15.  
TOBBTERMELES. (Uzemi Tervgazdasagi es  
Szervezesi Tudomanyos Egyesulet)  
Budapest.  
Vol. 10, no. 5, May 1956.

SOURCES: EEAL - LC Oct. 1956. Vol. 5 No. 10

FISCHER, GY.

FISCHER, GY. The Tekso filing system. p. 26.

Vol. 10, no. 6, June 1956

TOBBTERMELES

Budapest, Hungary

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

FISCHER, Gyorgy, dr.; FODRE, Zsafia

Effect of heat treatment on the reducing power of sewage. Hidrologiai kozlony 43 no.4:344-347 Ag'63.

1. Szegedi Orvostudomanyi Egyetem Kozegeszsegtani Intezete.

FISCHER, G.

Determination of the pharmacopelial bismuth compounds by micro- and semi-micro methods. Gyogysseresz 8 no.4:77-78 1 Apr 1953. (CML 24:3)

KOVATS, Tibor, Guorgy,; MAGOS, Laszlo,; PORRO, Laszlo,; FISCHER,  
Gyorgy, LUKACS, Ida.

Schwartzmann phenomenon induced by azoprotain from homologous  
and heterologous serums. Kiserletes orvostud. 7 no.1:92-95 Jan 55.

1. Szegedi Orvostudományegyetem Közegészségtani Intézete és Bor- és  
Nemibeteg Klinikája.

(ALLERGY, experimental,

Schwartzmann phenomenon induced by azoprotein from  
homologous & heterologous serums)

FISCHER, G.

✓ 2354. Schwartzman phenomenon elicited by azoproteins prepared from homologous or heterologous serum. T. G. Kováts, L. Magos, L. Forró, G. Fischer, and I. Lukáts *Acta Physiol. Acad. Sci. Hung.*, 1955, 7, 113-118. Rabbits given an intradermal injection of a filtrate of *E. coli* are sensitized with p-aminobenzoic acid serum azoproteins of heterologous and homologous sera. An i.v. injection of either of the two serum azoproteins elicits the Schwartzman haemorrhagic, necrotic dermal inflammation at the site of the intradermal injection. No correlation was found between the intensity of Schwartzman reaction and the amount of circulating antibodies or the homologous or heterologous nature of the protein component. It is assumed that in certain necrotic-haemorrhagic inflammations the proteins of the organism become modified into antibodies which, in turn result in an antigen-antibody reaction, giving rise to inflammation. (Hungarian) A. B. L. ÉKZÁK.

Med 5



FISCHER, Gyorgy

Simple on-the-spot determination of carbon dioxide in air.  
Nepégségséggy 37 no.7:192-194 July 56.

1. Közlemény a Szegedi Orvostudományi Egyetem Közégségséggytani  
Intézetéből (Irásgató: Kányó, Béla, dr. egyetemi tanár).

(AIR POLLUTION

determ. of carbon dioxide in closed rooms by on-the  
spot method, appar. & technic (Hun))

(CARBON DIOXIDE, determ.

in air in closed rooms, appar. & technic of on-the-spot  
determ. method (Hun))

FISCHER, G., dr.

GOIA, I., Prof.; GLIGORE, V., conf.; DIMITRESCU, I., dr.; FISCHER, G., dr.;  
FLORESCU, I., dr.; GHERMAN, Gr., dr.; FRATILA, I., dr.

Therapy of ulcerous diseases. Med. int., Bucur. 8 no.4:518-  
525 Aug 56.

1. Lucrare din Clinica a II-a medicala I.M.F. - Cluj.  
(PEPTIC ULCER, therapy  
gastric lavage with hypertonic glucose solutions,  
evaluation)  
(HYPERTONIC SOLUTIONS, ther. use  
glucose solutions in gastric lavage for peptic ulcer)

FISCHER, Gyorgy

Economic velocity of air in air channels. *Épuletgepeszet* 12  
no.5:172-173 0 '63.

L 39681-65 EWT(1)/EEC(m)/EEC(k)-2/EWA(h) Po-4/Pel

ACCESSION NR: AF5011648

Ull/0006/64/000/012/U0911/U099

AUTHOR: Fischer, H.-J.

18

TITLE: Soviet electronics news

B

SOURCE: Nachrichtentechnik, no. 12, 1964, U98-U99

TOPIC TAGS: electrometer, electronic equipment, voltmeter

ABSTRACT: The article describes two recent developments in the field of electronics in the Soviet Union. First, an impulse electrometer for short impulses designed at the Soviet Research Institute is used for peak or amplitude measurements of voltage impulses lasting 0.1 to 1.0 microsecond. The instrument includes a "double effect storage cascade" impulse expander patented in the Soviet Union and a vacuum-tube voltmeter. The circuit diagram is shown and the operation of the instrument is described. Second, a semi-automatic coil winder for high-frequency coils with prescribed self-inductance, from 10 to 15,000 microhenries. This machine is suitable for enamel and heavy formvar wire size #20 and up. The complete circuit diagram is shown.

Orig. art. has: 3 figures.  
Card 1/2

FISCHER, Imre

The significance of manufacturing instruments is accentuated by our five-year plan. Ujit lap 14 no.13:5 10 J1 '62.

1. Iparagi igazgato.

KOLOS, Richard, egyetemi tanar; FISCHER, Imre; HARSANYI, Istvan, dr., docens, kozgazdasagi tudomanyok kandidatusa; LENGYEL, Karoly, dr., tudomanyos munkatars; BALASSA, Laszlo, foalado; KOZMA, Pal, dr., fokonyvelo; KASPER, Egon, dr.; MACSKASZV, Pal; LUKACS, Laszlo, okleveles elektromernok; SANTA, Balint, dr.

Scientific conference on retraining instrument industry personnel.  
Meres automat 13 no.2/3:66 '65.

1. Secretary General, Council on Science and Higher Education, Budapest (for Kolos).
2. Head, Directorate of Instrument Industry of the Ministry of Metallurgy and Machine Industry, Budapest (for Fischer).
3. Instrument Industry Research Institute, Budapest (for Lengyel).
4. National Price Office, Budapest (for Balassa)
5. Instrument and Business Machine Trading Organization, Budapest (for Kozma).
6. Group Head, Ministry of Finance, Budapest (for Kasper).
7. Directorate of Instrument Industry of the Ministry of Metallurgy and Machine Industry, Budapest (for Santa).

FISCHER, J.

Scattering of pions on pions in threshold region. *Chekizl  
fiz zhurnal* 14 no.2:77-88 '64.

1. Institute of Physics, Czechoslovak Academy of Sciences,  
Praha 8, Lumumbova 1.

HCLUBAR, J.; FISCHER, J.

Histological localization of the components of primary cortical response (PCR) in the somatosensory area in rats. *Physiol. Bohemosl.* 13 no.5:484-487 '64.

1. Institute of Physiology, Czechoslovak Academy of Sciences, and Second Department of Pathological Anatomy, Charles University, Prague.



FISCHER, Jan

Green's functions. *Cs cas. fys* 14 no.3:255-275 '64.

1. Institute of Physics, Czechoslovak Academy of Sciences,  
Prague.

FISHER, Ya. [Fischer, J.]; CHULLI, S. [Chulli, S.]

Integral equations for  $\pi\pi$ -scattering and problems related to the convergence of the amplitude expansion. Zhur.eksp.i teor.fiz. 41 no.1:256-262 J1 '61. (MIRA 14:7)

1. Ob'yedinennyy institut yadernykh issledovaniy. 2. Fizicheskiy institut Chekhoslovatskoy Akademii nauk v Prage (for Fisher).
3. Institut atomnoy fiziki v Bukhareste (for Chulli).  
(Integral equations) (Mesons--Scattering)

CZECHOSLOVAKIA

FISCHER, J., and KUCERA, O., [affiliation not given].

"Report on the Fifth International Child Psychiatric Congress in Scheveningen"

Prague, Ceskoslovenska Psychiatrie, Vol LIX, No 3, July 63, pp 207-210.

Abstract: Report on the Congress in Scheveningen, 24 August to 30 August 1962. Czechoslovakia was represented by the two authors.

KRALIK, J.; FISCHER, J.

Bilateral aplasia of the ulnar artery. Rozhl. chir. 42 no.1:58-62  
Ja '63.

1. Chirurgická klinika lékařské fakulty PU v Olomouci, přednosta  
prof. dr. Vl. Rapant, DrSc.

(BLOOD VESSELS) (ABNORMALITIES) (ARM)

PODLAHA, J.; DVORAK, J.; BARTOS, J.; CIKL, M.; FIRT, P.; FISCHER, J.;  
HEJHAL, L.; MASURKA, V.; RECEK, J.; TOMŠU, M.

Clinical experiences with vascular protheses with curled polyester  
silk. Rozhl. chir. 42 no.1:28-30 Ja '63.

1. Ustav klinické a experimentální chirurgie v Praze, reditel prof.  
dr. B. Spacek, DrSc. a ostatní zúčastnění pracovníci.  
(VASCULAR SURGERY) (ANGIOGRAPHY) (PLASTICS)  
(BLOOD VESSEL PROTHESIS)

SCHREIBER, V.; FISCHER, J.; KMENTOVA, V.

Some metabolic and endocrine changes in acute 3-acetylpyridine poisoning in rats. *Physiol. bohemoslov.* 11 no.3:212-220 '62.

1. Laboratory for Endocrinology and Metabolism, Third Medical Clinic, Second Institute of Pathological Anatomy, Faculty of General Medicine, Charles University, Prague.

(PYRIDINES toxicology) (ENDOCRINE GLANDS physiology)  
(BRAIN pathology) (CORTICOTROPHIN pharmacology)  
(THYROTROPIN pharmacology)

CSISZAR, I.; FISCHER, J.

Information distances in the field of probability distributions.  
Mat kut kozl MTA 7 Ser.A no.1/2:159-180 '62.

FISCHER, J.

"Treatment of refractory materials is an important prerequisite to correct production in kilns." (p. 136). STAVIVO (Ministerstvo stavebnich hmot) Praha, Vol 32, No 4, Mar. 1954.

SO: East European Accessions List, Vol 4, No 8, Aug 1954



FISCHER, J.

Czechoslovakia /Chemical Technology. Chemical Products I-12  
and Their Application

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31560

Author : Fischer J.

Title : Analysis of Wintertime Operations of Brick  
Factories in 1955-1956

Orig Pub: Stavivo, 1956, 34, No 10, 353-355

Abstract: An analysis is presented of the putting into effect, at the Czech factories, of measures that were recommended by the Ministry: maximum utilization of driers during the summer, maintenance of labor hygiene under winter conditions, adjustment of quarry operations to wintertime work, heating of factory buildings, frost-proofing of

Card 1/2

Czechoslovakia /Chemical Technology. Chemical Products I-12  
and Their Application

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31560

Water reservoirs, use of salt during autumn and  
spring period, insulation of driers, utilization  
of driers located over kilns, adaptation of kilns  
for wintertime drying.

Card 2/2

FISCHER, J., inz.

Assortment of brick industry products. Stavivo 42 no.12:443-444  
D '64.

1. Branch Association of Brick Industry National Enterprises, Brno.

Psychiatry

CZECHOSLOVAKIA

FISCHER, J.; Psychiatric Clinic, Faculty of General Medicine, Charles University (Psychiatricka Klinika Fakulty Vseobecneho Lekarstvi KU), Prague.

"Problem of Types in Social Adjustment of Children."

Prague, Ceskoslovenska Psychiatrie, Vol 62, No 3, Jun 66, pp 145-152

Abstract [Author's English summary modified]: Types of extroverts and introverts in boys of 6 years of age are discussed. The extroverts have more coordinated body movements, but some of the introverts have better skill with their hands, while other introverts are the worst in this respect; the extroverts are all in the middle group. Clumsiness causes inferiority feelings. Introverts are more frequently neurotic, extroverts are more frequently retarded. 3 Tables, no references. (Manuscript received 18 Dec 65).

1/1

FISCHER, JAN

CZECHOSLOVAKIA / Magnetism. Ferromagnetism.

P-4

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6855

Author : Fischer, Jan

Title : Concerning the Problem of the Negative Barkhausen Effect

Orig Pub : Ceskosl. casop. fys., 1955, 5, No 6, 656 - 663.

Abstract : See Referat Zhur - Fizika, 1956, 1409.

Card : 1/1

Category : CZECHOSLOVAKIA/Magnetism - Ferromagnetism

F-4

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1409

Author : Fischer, Jan.

Inst : Physics Inst. Czechoslovakian Acad. of Sciences, Prague

Title : On the Existence of a Negative Barkhausen Effect

Orig Pub : Chekhosl. fiz. zh. 1956, No 1, 65-73

Abstract : Results of measurements of the so-called negative Barkhausen effect, observed by Kirenskiy and Ivlev in nickel, are given. It was noted that this effect was absent from certain grades of iron, nickel, and some alloys.

Card : 1/1

... its distribution and that for the A ...  
H. Newcomb

*fischer, J.*

CZECHOSLOVAKIA/Theoretical Physics - Quantum Electrodynamics.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 12184

Author : Fischer, Jan

Inst : -

Title : Equation for the Green's Function in Quantum Electrody-  
namics.

Orig Pub : Ceskosl. casop . fys., 1953, 3, No 4, 399-409

Abstract : V.D. Derestetskiy's derivation of the Schwinger equation for the Green's function for a case of arbitrary number of electrons and photons is generalized. A recurrent system of equations is derived, which can be replaced by a simpler system of equations with functional derivatives of higher orders. The following two cases are considered:  
1) When a system of two coupled equations is produced and  
2) when one equation is of higher order. It is indicated that relationships become simpler if the definition of the Green's function is changed. -- According to author's resume.

Card 1/1

- 4 -



F I S H E R, Y A.

21(3,8); 24(5) PHASE I BOOK EXPLOITATION SOV/3369

Vsesoyuznaya nauchnoyuzovskaya konferentsiya po kvantovoy teorii polya i teorii elementarnykh chastits. Uzhgorod, 1958

Problemy sovremennoy teorii elementarnykh chastits. No. 2: Trudy konferentsii... Problems in the Modern Theory of Elementary Particles. No. 2: Transactions of the All-Union Inter-Vus Conference on the Quantum Field Theory and the Theory of Elementary Particles. Uzhgorod, Zakarpatskoye oblastiye 154-vo, 1958. 214 p. 5,000 copies printed.

Ed.: Yu. Lomazde, Docent; Tech. Ed.: M. Belous.

PURPOSE: This book is intended for physicists, particularly those concerned with problems in the field of elementary particles and the quantum theory.

COVERAGE: This book contains articles on elementary particles originally read at the All-Union Inter-Vus Conference held at Uzhgorod State University on October 20, 1958. Among the topics discussed are: the spinor field theory, the fusion theory, screened interactions, parity studies, nucleon-nucleon scattering, and all subjects accompany each article. References follow each article.

Dolginov, A.Z. Polarization of Quanta Emitted by $\mu$ Mesatrons	138
Marashenkov, V.S. Optical Analysis of the Interaction Between Fast Nucleons and Pions Particles With Nucleons and Nucleus	142
Shchukov, G.F. The Semi-Phenomenological Theory of Nuclear Forces	149
Fisher, Ya. and S. Chulii. Partial Wave Analysis of the Generation of Particles	157
Slater, T.B. and P.S. Isayev. The Effect of the Form-Factor on the Processes of Bremsstrahlung and Generation of Pairs on Protons	165
Zilinson, Y.A. On the Interaction Between $\Delta$ -Particles and Nucleons in the Experimental	175
Lomazde, Yu.M. The $\lambda$ -Summation of the Perturbation Method Series	182
Lomazde, Yu.M., V.I. Lendiyel, and I.Yu. Krivsky. The Problem of Nucleon-Nucleon Scattering in High-Energy Regions	195
Lomazde, Yu.M., V.I. Lendiyel, I.Yu. Krivsky, Y.I. Pashkovich, I.V. Dzhinich, L.P. Lukin, and B.W. Ernst. The Application of the Modified Perturbation Method to the Interpretation of the Nucleon-Nucleon Scatterings	211

85682

S/056/60/038/006/024/049/XI  
B006/B070

24.4500

FISCHER,

AUTEORS: Fisher, Ya. (Institute of Physics of the Czechoslovakian Academy of Sciences, Prague), Chulli, S. (Bucharest Institute of Atomic Physics, Rumania)

TITLE: Recurrent Construction of Angular Operators. I

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 38, No. 6, pp. 1740-1750

TEXT: The S-matrix theory allows the cross sections of elementary processes to be written as a function of energy, charge, angle, and spin. This can be done directly either on the basis of perturbation theory, Tamm-Dankov theory, dispersion relation theory, or other theories; or in a phenomenological way. In both cases, it is convenient to expand the S-matrix in terms of the eigenfunctions of the momentum and isotopic spin operators for the initial and final states of the process considered. The form of this expansion may be obtained from the conservation laws derived from the symmetry of the process with respect to the known transformation

X

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Recurrent Construction of Angular Operators. I

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groups. The following representation of the S-matrix is considered:

$$S = \sum a(JM(f); J^0 M^0(i)) |JM(f)\rangle \langle J^0 M^0(i)|$$
, where  $|J^0 M^0(i)\rangle$  and  $|JM(f)\rangle$  are the vectors of a given initial and a given final state, respectively;  $|a|^2$  is the intensity of the corresponding transition;  $J^0, M^0$  and  $J, M$  are the quantum numbers of the total momentum and of its z-components in the initial and final state, respectively; (i) and (f) are quantum numbers which, together with  $J^0, M^0$  and  $J, M$  form the total set of initial and final states, respectively. Only the angular terms (i) and (f) are considered; the other variables, such as energy, isotopic spin, parity, etc. can be comprehended in a. It follows from the invariance of the S-matrix with respect to spatial rotations that  $J=J^0, M=M^0$ , and the coefficients a are independent of M. Hence

$$S = \sum_{J(f)(i)} a(\text{energy}, \dots, J(f)(i)) \mathcal{T}(\text{angles and spins}, J(f)(i)),$$

"angular operators" are determined from the formula

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X

85682

Recurrent Construction of Angular  
Operators. I

S/O56/60/038/006/024/049/XX  
B006/B070

$\mathcal{T}(J(f)(i)) = \sum_{M=-J}^J |JM(f)\rangle \langle JM(i)|$  (normalized to  $2J+1$ ). A recurrence method

is now developed for obtaining a representation of  $\mathcal{T}$  for a multi-particle reaction, that is, the  $\mathcal{T}$  of the multi-particle reaction can be reduced to the  $\mathcal{T}$  of a simpler reaction. In this method, only differential operations come into play, in contrast to the study of Biedenharn et al. where many Racah transformations are involved. The method is, therefore, simpler to work with. The method of obtaining angular operators for a reaction of the type  $f + a \rightarrow f' + a_1' + \dots + a_n'$  ( $f, f'$  - fermions;  $a, a_i'$  - arbitrary

particles) is demonstrated without the application of Clebsch-Gordan coefficients. The method allows the angular operators of any complicated process to be written, provided that the angular operators of a simpler process are known. It is also considered how a set of angular operators is altered if one initial and one final scalar particle are replaced by spin-1/2 particles. Practical formulas and examples are discussed at the end. S. M. Bilen'kiy, V. I. Ritus, and R. M. Ryndin are thanked for valuable comments. There are 10 references: 3 Soviet, 5 US, 1 Italian,

Card 3/4

85682

Recurrent Construction of Angular  
Operators: I

S/056/60/038/006/024/049/XX  
B006/B070

and 1 French.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint  
Institute of Nuclear Research)

SUBMITTED: August 28, 1959

✓

Card 4/4

FISHER, Ya., [Fischer, J.]; CHULLI, S., [Ciulli, S.]

Recurrent construction of angular operators. Part 2. *Zhur. eksp. i teor. fiz.* 39 no.5:1349-1356 N '60. (MIRA 14:4)

1. Fizicheskiy institut Chekhoslovatskoy AN v Prage (for Fisher).
2. Institut atomnoy fiziki v Bukhareste, Rumyniya (for Chulli).  
(Mathematical physics)

SIULLI, I.; SIULLI, S.; FISCHER, J.

On the extrapolation of the experimental scattering amplitude  
to the spectral function region. Dubna, Ob"edinennyi in-t  
iadernykh issl. 1961. 7 p.  
(No subject heading)

FISCHER, JAN

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: Dr, Docent

Affiliation: Faculty of Natural Sciences, Comenius University (Prirodovedecka  
fakulta Komenskeho univerzity), Bratislava

Source: Bratislava, Nasa Veda, Vol VIII, No 9, 1961, pp 563-566.

Data: "Twentieth Century in Physics."

GPO 981643



FISCHER, J.; MARES, J.

Remarks on the elimination of obliteration using a patch technic.  
Rozhl. chir. 44 no.7:470-475 J1 '65.

1. I. chirurgická klinika lek. fak. Palackého University v  
Olomouci (prednosta prof. dr. V. Rapant, DrSc.).

FISCHER, J.; PARLESAKOVA, Z.

Embolism of the superior mesenteric artery. Rozhl. chir. 44  
no.7:486-489 J1 '65.

1. Chirurgická klinika lékařské fakulty Palackého Univerzity  
v Olomouci (prednosta dr. V. Rapant, DrSc.).

*Fischer, J.*  
APETAUR, J; FISCHER, J.

Work in the pediatric section in the psychiatric clinic with special reference to pediatrics. *Pediat. listy* 5 no.4:230-232 July-Aug. 1950. (CJML 20:1)

1. Of the Pediatric Department of the Psychiatric Clinic of Charles University in Prague (Head--Prof. Zdenek Myslivecek, M. D.).

FISCHER, J.; JANDA, Z.

Studies on emuresis in children. Neur. psychiat. cesk. 14 no.5-6;  
213-217 Dec 1951. (CJML 22:3)

1. Of the Children's Department (Head--Docent Jos. Apetaur, M. D.)

FISCHER, J.

Principles of group therapy in children. *Pediat. listy, Praha* 8 no.  
1:19-21 Feb 1953. (GIML 24:3)

M. D. Assistant at the Psychiatric Clinic (Head--Prof. Myslivecek,  
M. D.), Prague.

FISCHER J.

K diagnostice neuros deti predskolnino veku. Diagnosis of neuroses in children of pre-school age NEUROL. PSYCHIAT. CSL 1953, 16/1-2 (89-95)

At the root of hysteria, anxiety neurosis and some phobias there is hypersensitivity of the child to insufficient care on the part of the parents, shyness and fear of unknown persons and little resistance towards external conditions. The symptoms of neuroses of the pre-school age have a tendency to generalize and some of them often express themselves in fits. It is necessary to take into account the special stages of development and not to compare them to psychopathological symptoms of adults.

Novotny - Brno

SO: EXCERPTA MEDICA Vol. 7, No. 6, Section VIII, June 1954

*Psychiatric Clinic (Head Prof. Myslivec, M.D.)*

FISCHER, Jan, MUDr

Causes and prevention of mental disturbances in children in puberty and in adolescents. Cesk.pediat. 10 no. 197-200 Apr 55.

1. Z psychiatricke kliniky v Praze.

(MENTAL DISORDERS, in infant and child,  
in puberty & adolescence, causes & prev.)

(PUBERTY, psychology,  
ment. disord., causes & prev.)

(ADOLESCENCE, psychology,  
ment. disord., causes & prev.)

FISCHER, Jan, MUDr

Diagnosis of manic-depressive psychoses in children. Neur. psychiat.  
ceak. 18 no.1:26-35 Feb 55.

(PSYCHOSES, MANIC-DEPRESSIVE, in infant and child  
diag.)



FISCHER, Jan, MUDr,

Assistant professor J. Apetaurem, M.D., Ph d. Cesk. pediat. 11  
no. 2-3: 217-219 Mar 56.

1. Asistent psychiatricke kliniky prof. Dra Myslivecka v Praze.  
(OBITUARIES  
Apetaurem, J.

FISCHER, Jan, MUDr.

Review of etiological concepts of enuresis in children.  
Cesk. pediat. 12 no.5-6:518-523 May-June 57.

1. Prednosta detskeho odd. klinicky prof. Z. Myslivecka.  
(ENURESIS, etiol. & pathogen.  
(Cz))

*FISCHER, J.*  
FISCHER, Jan (Praha 2, Ke Karlovu 11)

Diagnosis of behavior disorders in children. Cesk. psychiat. 54 no.1:  
11-13 Feb 58.

1. Psychiatricka klinika KU v Praze.

(BEHAVIOR

disord. in child., diag. (Cz))

(CHILD PSYCHOLOGY

behavior disord. in child., diag. (Cz))

ZOLTAN, O. T.; FISCHER, J.; JUVANCZ, I.; FOLDI, M.

Studies on the absorption of  $^{131}\text{I}$ -albumin and  $\text{K}^{131}\text{I}$  from the subcutaneous tissues of the dog. Acta physiol. acad. sci. hung. 20 no.4:361-372 '61.

I. I Department of Medicine, Medical University, Budapest, Biometry Department, Mathematical Research Institute. Hungarian Academy of Sciences and II Department of Medicine, Medical University, Szeged.

(IODINE radioactive) (IODIDES metab)  
(SERUM ALBUMIN metab) (SKIN metab)

CSAKI, Peter; FISCHER, Janos

Contributions to the problem of maximal correlation. In English.

Mat. kut. közl. MTA 5 no.3:325-337 '60 (EAI 10:8)

(Correlation(Statistics)) (Functions)

(Polynomials)

CSAKI, Peter; FISCHER, Janos

On the general notion of maximal correlation. Mat kut  
kozl MTA 8 A series no.1/2:27-51 '63.

CSAKI, Peter; FISCHER, Janos

On bivariate stochastic connection. In English. Mat kut kozl MTA  
5 no.3:311-323 '60. (EEAI 10:8)  
(Hilbert space) (Correlation(Statistics))  
(Distribution(Probability theory)) (Spaces,Generalized)

KALLAI, Laszlo; FISCHER, Janos; VARGA, Tiborne; ALPARI, Lajos

Examination of secondary ossification centers in the hand of 1-3-year-old year children. Kiserl. orvostud. 15 no.1:33-41 F '63.

1. Orszagos Fellemezes- es Taplalkozastudomanyi Intezet es a MTA Matematikai Kutatointezetenek Biometria Osztalya.  
(WRIST) (OSSIFICATION) (RADIOGRAPHY)

Abstract: [Authors' German summary modified] The relationship of age to skeletal age was investigated in 221 healthy, 11-39 months old children by means of radiographic study of the wrist. Based on 15 correlation-coefficients or regression curves, it was concluded that the age of the children may not be derived reliably from the number of the ossification nuclei. The best correlation, with a coefficient of 0.64, was found between age and the surface of the X-ray shadow of the os capitum. Of 19 references, three are Eastern European, the rest is Western.

1/1



RUSZNYAK, Istvan, akadémikus; STARK, Ervin az orvostudományok kandidátusa;  
FOLDI, Mihály, az orvostudományok doktora; BUKI, Béla;  
JUVANCSZ Ireneusz, dr.; FISCHER, János, matematikus

Investigations in determining the effect of rutin and ascorbic  
acid on the capillary resistance in rats. Biol orv kozl MTA  
13 no.1-2:1-10 '62.

1. Magyar Tudományos Akadémia Kísérleti Orvostudományi Kutató  
Intézete (for Rusznyak, Stark, Foldi, and Buki). 2. Magyar  
Tudományos Akadémia Alkalmazott Matematikai Intézete Biometriai  
Csoportja vezetője (for Juvancz).

\*

SZIGETI, Janos; FISCHER, Janos

Progeny differences in the fattening capacity testing of swine.  
Allattenyesztes II no.2:153-164 JI '63.

1. Orszagos Mestereseges Termekenyo Kozpont; Magyar Tudomanyos Akademia Matematikai Kutatointezete, Budapest.
2. "Allattenyesztes" szerkeszto bizottsagi tagja (for Szigeti).

FISCHER, J.; GURMANN, E.

A case of heterotopia of undifferentiated nervous tissue by way  
of subarachnoidal implantation. Acta radiol.cancer.bohem. 4 no.5-6:  
171-180 30 D '49.  
(CML 19:3)

1. Institute of Research on Nervous System (Prof. V. Haskovec).

*see Gutmamn, E, Co-author  
with R. ZAK "muscle  
irradiation"*

FISCHER J.

3024. FISCHER J. Úst. pro Výzk. mozku, Praha. \*K diferenciální diagnóze nervo-  
svalových onemocnění. I. Myohistopathologie. Dystrophia musculorum pro-  
gressiva (Erb). I. Myohistopathology ČAS. LÉK. ČES. 1953, 92/25 (687-691)  
Illus. 8

Thirty clinically certain cases were chosen from a series of 220 cases of bioptic examinations in muscular diseases. The myohistopathological evolution of the disease was studied. Three periods are distinguished. The first is characterized by multiplication of subsarcolemmal and endomysial nuclei and by beginning atrophy of muscular fibres. In the second period hypertrophic, normal and atrophic fibres without a regular arrangement are found; there are also lipoid degeneration and a splitting of fibres; the multiplication of the above-mentioned nuclei continues; sometimes there are also perivascular small-cellular infiltrations. In the third period there is a disintegration of muscular fibres, myophagia and marked proliferation of fibrous and fatty tissue; finally muscular fibres disappear. The nervous terminations and motor discs are preserved until the terminal states. In the final phases free nervous terminations are found in the fibrous tissue.

Henner - Prague (VIII, 5)

SO: Excerpta Medica, Section V, Vol. 7 No. 9

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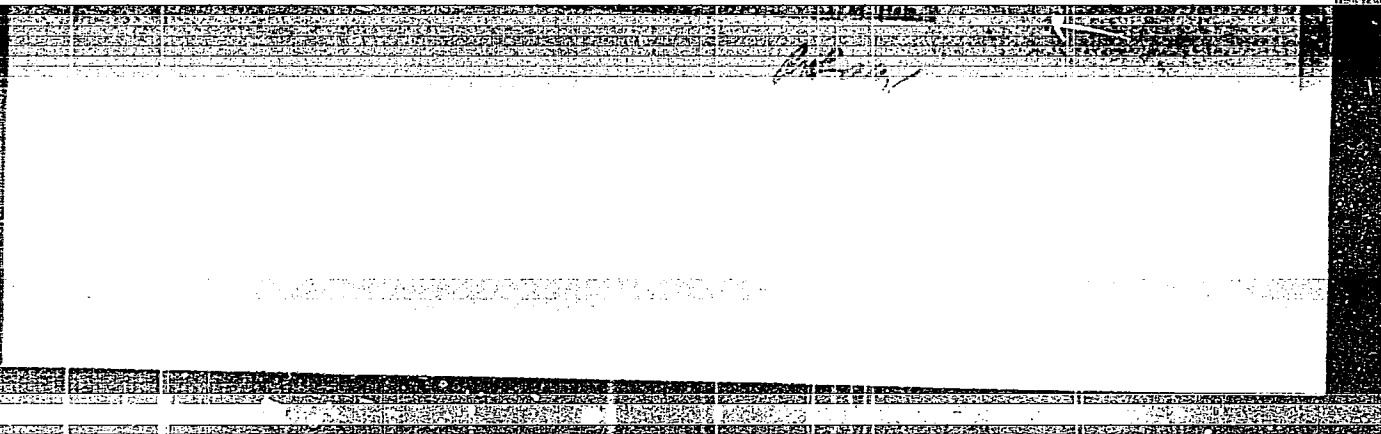
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CZECHOSLOVAKIA / Human and Animal Morphology (Normal and Pathological). Nervous System. Central Nervous System. S

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40776

Author : Fischer, J.; Michalova, C.

Inst : Not given

Title : Investigation of Histological Changes in the Central Nervous System of Rats and Guinea Pigs Submitted to the Action of Carbon Disulfide

Orig Pub : Pracovni lekar., 1956, 8, No 1, 16-19

Abstract : Rats remained alive following exposure to vapors of carbon disulfide in a concentration of 200 - 1000 g/l, ~10,000 g/l and ~20,000 g/l. Elements of the white matter, vacuolization, and pyknosis of the nervous cells were demonstrated. Eight of ten guinea pigs exposed to vapors of carbon disulfide in concentrations of ~10,000 g/l

Card 1/2

CZECHOSLOVAKIA / Human and Animal Morphology (Normal and  
Pathological). Nervous System. Central Nervous  
System.

3

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40776

perished. Edema of the cerebral matter, severe irrever-  
sible changes in the cells of the cortex, subcortical  
ganglia and mid-brain were noted. The changes of the cells  
of the cerebellum, pons and medulla oblongata were less  
pronounced. -- L. Fidel'goi'ts

Card 2/2



FISCHER, J. )

Aortic aneurysm. Cas. lek. cesk. 95 no.8:216-217 24 Feb 56.

(AORTIC ANEURYSM,  
review (Cz))

FISCHER, J.

4888. Incorporation of the mechanism into the system.

standard peripheral device.

CZECHOSLOVAKIA / Human and Animal Morphology (Normal and Pathological). Nervous System. Central Nervous System.

8

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40768

Author : Fischer, J.; Peleska, B.

Inst : NOT GIVEN

Title : Morphological Changes in Anemization of the Central Nervous System.

Orig Pub : Rozhl. chirurg., 1957, 36, No 4, 253-259

Abstract : Standstill of the circulation was produced in dogs for 5 - 12 minutes by anemization until the appearance of cardiac fibrillation. Following this the heart action was restored with the aid of arterial blood transfusion. The dogs were killed in periods from 3 days to one year from the day of the experiment; the brain was fixed in 10% formalin. Fragments from 18 various cortical and

Card 1/2

CZECHOSLOVAKIA / Human and Animal Morphology (Normal and Pathological). Nervous System. Central Nervous System.

S

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40768

subcortical parts of the brain were taken and were treated histologically (hematoxylin-eosine). Microscopical investigation led to the conclusion that the cortex of the horn of Ammon and of the areas 5, 7, 50, 17, and 18 possessed the greatest sensitivity to anemization. A somewhat lesser intensity of the damage was observed in the area 4. Still less damaged were the areas 3, 5, 22, and 52, and the minimal pathological changes were observed in the area 8. -- L. A. Kukuyev

Card 2/2

FISCHER, J.; JILEK, L.

Regeneration of changes in the central nervous system induced by ligation of the carotid arteries in early stage of development in rats. Cesk. fyziol 7 no.5:452-453 Sept 58.

1. II. patologicko-anatomicky ustav a Fysiologicky ustav fak. vseob. lek. UK, Praha.

(BRAIN, physiol.

regen. of changes induced by carotid ligation in young rats  
(Cz))

(ARTERIES, CAROTID, physiol.

same)

FISCHER, Jindrich; JILKA, Inbor

Response of the organism to cerebral ischemia in the course of ontogenesis.  
III. Morphological changes of the central nervous system after ligation  
of the carotids during postnatal life in the rat. Sborn. lek. 60 no.11:  
346-354 Nov 58.

1. Neuropatologicka laborator II. patologickoanatomickeho ustavu fakulty  
vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. dr.  
Vaclav Jedlicka Katedra fysiologie fakulty vseobecneho lekarstvi universi-  
ty Karlovy v Praze, prednosta prof. dr. Frantisek Karasek Dr. J. F., II.  
patologicky ustav, U Nemocnice 4, Praha 2.

(CEREBRAL ANOXIA, exper.

CNS morphol. changes after ligation of carotids in young  
rats (Cz))

(CENTRAL NERVOUS SYSTEM, pathol.

in exper. cerebral ischemia in young rats (Cz))

FISCHER, J.; BARDOS, V.

Trauma and experimental viral encephalomyelitis. Cesk. fysiол. 8  
no.2:127-128 Mar 59.

1. II. Patologicko-anatomicky ustav, Praha. Ustav Epidemiologie a  
mikrobiologie, Bratislava. Predneseno na III. celostatni konferenci  
neurologicke spolecnosti dne 8, rijna 1958 v Karlovyh Varech.

(ENCEPHALITIS, experimental,

Czech. tick-borne viral, eff. of spinal cord inj. (Cz))

(SPINAL CORD, wds. & inj.

eff. on exper. Czech. tick-borne viral encephalitis (Cz))

LODIN, Z.; FISCHER, J.; GUTMANN, E.; KOLOUSEK, J.

Turnover of methionine  $35^8$  in the cerebellar, diencephalic and spinal tissues in normal conditions and following nociceptive stimulation in rats. Cesk. fysiол. 8 no.3:221-222 Apr 59.

1. Fysiologicky ustav CSAV, Praha. Predneseno na III. fysiologickych dnech v Brne dne 14. 1. 1959.

(CENTRAL NERVOUS SYSTEM, metab.

methionine, eff. of pain stimulation in rats (Cz))

(METHIONINE, metab.

CNS, eff. of spin stimulation in rats (Cz))

(PAIN, exper.

eff. on CNS methionine metab. in rats (Cz))



FISCHER, Jindrich; KOLOUSEK, Jaroslav

Investigations on the dynamics of central nervous system incorporation of methionine sulfoxime labeled with sulfur 35 with a special reference to the appearance of experimental epileptic seizures; historadiographic studies. Sborn. lek. 61 no.4:116-119 Apr 59.

1. II. patologickoanatomicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. V. Jedlicka Neuropatologicka laborator II. patologickoanatomickeho ustavu fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. V. Jedlicka. Dr. J. Fischer, U nemocnice 4, Praha 2.

(METHIONINE, rel. cpds.

3-amino-3-carboxypropyl methyl sulfoxime labeled by radiosulfur in brain in convulsions in rats, radioautography (Cz))

(BRAIN, metab.

same)

(CONVULSIONS, exper.

same)

(RADIOAUTOGRAPHY.

of brain 3-amino-3-carboxypropyl methyl sulfoxime labeled with radiosulfur in convulsions in rats (Cz))

MALIK, Vl.; FISCHER, J.

Modification of Belanger's method of reversal of historadioautographic preparations. Sborn. lek. 61 no.4:120-124 Apr 59.

1. Neuropatologicka laborator II. patologickoanatomickeho ustavu fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. Vaclav Jedlicka. V.M., II. patologie, U Nemocnice 4, Praha 2.

(RADIOAUTOGRAPHY,  
modified Belanger's method of reversal of historadio-  
autographic prep. (Cz))

EXCERPTA MEDICA Sec 8 Vok 13/5 Neurology May 60

2278. DYNAMICS OF METHIONINE SULPHOXIME S<sup>35</sup> INCORPORATION INTO THE CNS AND DEVELOPMENT OF EXPERIMENTAL EPILEPTIC SEIZURES (HISTOAUTHORADIOGRAPHIC STUDY) - Studium dynamiky inkorporace methionin sulfoximinu <sup>35</sup>S do centrálního nervového systému z hlediska vzniku experimentálního epileptického záchvatu. (Histoautoradiografická studie) - Fischer J. and Kóroušek J. II. Patol.-Anat. Úst. Fak. Všeobecného Lék., Univ. Karlovy, Praha - SBORN. LÉK. 1959, 61/4 (116-119) Graphs 4

The sites of accumulation of S<sup>35</sup>-labelled methionine sulphoxime in the CNS were found to correspond to the areas of maximum synthesis of proteins. The maximum of accumulation in the hypothalamus (6 hr. after intraperitoneal injection) coincided with the time of occurrence of the epileptic seizure produced by methionine sulphoxime. (II, 8)

SOBESLAWSKY, O.; REHN, F.; FISCHER, J.

Isolation of tick-borne encephalitis virus from moor hen  
(*Fulica atra*). *Cesk. epidem. mikrob. imun.* 9 no.4:256-261  
Je '60.

I. Vojensky lekársky výskumný a doskolovací ústav J. Ev. Purkyně  
v Hradci Králové; II. patologicko-anatomický ústav lékařské fakulty  
KU v Praze.

(ENCEPHALITIS EPIDEMIC virol.)  
(POULTRY virol.)