

GUBICZA, Andras, tudományos munkatárs; ZS.NAGY, Imre, tudományos munkatárs

Comparative study of recognized (classic) and modified  
impregnation methods on the ganglions of *Anodonta cygnea*  
L. *Annales biol Tihany* 31:15-21 '64.

1. Research Institute of Biology of the Hungarian Academy of  
Sciences, Tihany. Submitted March 17, 1964.

ZS.NAGY, Imre. tudományos munkatárs

Electron-microscopic observations on the cerebral ganglion of the fresh-water mussel (*Anodonta cygnea* L.). *Annales Biol Tihany* 31:147-152 '64.

A histochemical study of cholinesterase on the adductor muscle of the fresh-water mussel (*Anodonta cygnea* L.). *Ibid.*:153-157

1. Research Institute of Biology of the Hungarian Academy of Sciences, Tihany. Submitted March 13 and 10, 1964.

ZS. NAGY, Iara, tudományos munkatárs; SALANKI, János, dr.

Structural changes depending on the structural state of the adductor of the fresh-water mussel (*Anodonta cygnea* L.). *Annales biol. Tihany* 31:159-164 '64.

1. Research Institute of Biology of the Hungarian Academy of Sciences, Tihany. 2. Director, Research Institute of Biology of the Hungarian Academy of Sciences, Tihany (for Salanki).

ZS.NAGY, Imre

Electron microscopic tests on the cerebral ganglion of freshwater mussels (*Anodonta cygnea* L.). Biol kozl 12 no.1:43-47 '64.

1. Research Institute of Biology of the Hungarian Academy of Sciences, Tihany.

FOLDES, I.; NAGY, I.Zs.; BENKO, K.; LEVAI, G.; ARY-BALOGH, P.

Electron microscopic studies on the postembryonal epiphyseal cartilage in albino rats. Acta morph. acad. sci. Hung. 13 no.4:283-299 '65.

1. Institut für Anatomie, Histologie und Embryologie und Zentrales Forschungslaboratorium der Medizinischen Universität, Debrecen. Submitted June 28, 1963.

NAGY, I. Zs.; SALANKI, J.

Structural changes in the adductors of the fresh-water mussel (*Anodonta cygnea*, L.) depending on functional conditions. Acta biol. acad. sci. Hung. 15 no.3:311-320 '65

1. Biological Research Institute of the Hungarian Academy of Sciences, Tihany (Head: J. Salanki).

NACY IMRE

13

IMRE NAGY

4  
463d

The ferromagnetic resonance of different materials.  
Imre Nagy and Lénárd Pál. *Magyar Tudományos Akad.  
Közlönye Fiz. Kutató Intézetének Közleményei*, 4, 450-61  
(1956).—Ferromagnetic resonance theory is briefly re-  
viewed. The expl. method was the same as used in pre-  
vious work (*ibid.* 3, 563(1955)). Resonance curves of Fe,  
Ni, magnetite, and Ni ferrite are given. They show the  
absorption and dispersion properties. The  $g$  factor was also  
deterd. for all 4 materials. They are: Fe 2.03, Ni 2.11, mag-  
netite 2.00, and Ni ferrite 2.17. A few measurements were  
carried out with a test piece of magnetite. It was found  
that the log of the resonance field is proportional to the vol.  
concn. E. Romm

84

CP



NAGY, I

HUNGARY / Radiophysics. Radio Measurements.

I-7

Abs Jour : Ref Zhur - Fizika, No 5, 1957, No 12585

Author : Nagy, I., Pallagi, D., Pal L.

Inst : Central Research Institute of Physics, Budapest, Hungary.

Title : The Frequency Dependence of the Permeability of Magnetite Between 1,000 and 3,000 Mc.

Orig Pub : Acta phys. Acad. Sci. hung., 1956, 6, No 2, 341-344.

Abstract : An investigation was made of the magnetic permeability of the magnetite powder, mixed with paraffin, in the frequency range from 1000 to 3000 Mc ( $\lambda = 30 - 10$  cm) for various concentrations of magnetite. The powder grains were 10 microns in size. The permeability was determined from the result of the measurement of the input impedances of a short-

Card : 1/2

NAGY, Elemer; NAGY, Imre; TOTH, Jozsef

The kinetics of the disorder-order transformation in the alloy  
Cu<sub>3</sub>Au. Koz fiz kozl MTA 7 no.5:276-286 '59. (EEAI 9:8)

1. A Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezete,  
Szilardtestfizikai Laboratorium.  
(Copper-gold alloys)

SJ262/62/000/005/010/013  
1007/1207

5.1125  
Authors. Nagy Imre  
Pazony Tamás

Title. COMBINED FUEL-FILTER

Periodical: *Referativnyy zhurnal, otdel'nyy vypusk*, 42. *Silovye ustanovki*, no. 5, 1962, 85, abstract 42.5.396  
(Hungarian patent class 12d, 2-4, no. 147163, I.VII.60)

*Text:* A patent has been granted for a fuel filter, the element of which is made of synthetic material, e.g. polyvinyl chlorides. The element for the first-stage filter is prepared by mixing pulverized polyvinyl chloride with a water-soluble powder; from this mixture a thin plate is obtained which, after washing out by water, forms the ready first-stage filter element; the fine-cleaning filter is also prepared from pulverized polyvinyl chloride but without any admixtures. The composition of the mixture is given and the process of preparing the filter elements is described. The final fuel-filter is assembled of two concentric rings of the first-stage and the fine-cleaning filtering elements. The resulting fuel-filter retains 99% of solid impurities. There is also a possibility of preparing fuel filters that retain solid particles of about one micron in size. The combined fuel-filter has a relatively low hydraulic resistance and works five times longer (without cleaning) than ordinary felt-filters. There is 1 figure.

[Abstractor's note: Complete translation.]

Card 1/1

✓B

NAGY, Imre, kutatomernok

The use of polyamide bearing cages in the automotive industry.  
Jarmu mezo gep 9 no.2:50-53 F '62.

1. Csepel Autogyar Minosegi es Kutato Laboratorium

NAGY, Imre

Wood protection and its economic significance. Faipar 12 no.6:  
187-190 Je '62.

LABOS, Elemer; ZS. NAGY, Imre; BENKO, Karoly; SALANKI, Janos

Electrophysiological and electromicroscopical data on  
the composition of the cerebrovisceral connective tissues  
of *Anadonta cygnea* L. Biol. közl. 11 no. 2:117-124 '64.

1. Biological Research Institute, Hungarian Academy of  
Sciences, Tihany; Institute of Histology and Embryology,  
Central Research Laboratory, and Institute of Physiology,  
Debrecen Medical University.

NAGY, Imre

Assembling and adjusting polyamide plastic bearings. Gepyartastechn  
1 no.8:294-299 N '61.

1. Csepel Automobile Factory.

NAGY, Imre

Temperature bridge of the 1955-56 heating season of  
Budapest. Epuletgepeszet 6 no.1:35-40 '57.



NAD', I.Zh. [Nagy, I.]; KALAPOSH, Sh. [Kalapos, S.]; LEVAL, G.

Experimental data on the qualitative adaptation of epithelial tissue. Arkh.anat., gist. i embr. 46 no.4:80-86 Ap '64.

(MIRA 18:5)

1. Institut anatomii, evolyutsii i gistologii (dir. -- prof. doktor Ishtvan Krompekher) Meditsinskogo universiteta goroda Debretseny, Vengriya. Adres avtorov: Vengriya, Debretsen, 12. Institut anatomii i gistologii Meditsinskogo universiteta.

NAGY, Ionif (Negresti-Cua)

With our own resources we are all able to construct a magnifying  
device for the students Photograph Circles. Gaz mat B 13 no.11:  
667-669 N '62.

NAGY, Iosif, prof.

Construction of an electric exposure clock by means of a neon tube. Gaz mat B 14:523-528 9 S '63.

GROSS, Iuliu, prof.; NAGY, Iosif, prof.

Application of the neon tube in studying the phenomena connected  
with electromagnetic oscillations. Gaz mat B-14:535-537 9 S '63.

NAGY, Ivan

Control elements of continuous processes. Pt.1. Magy kem  
lap 19 no.8:447-450 Ag '64.

1. Designing Enterprise for Chemical Plants, Budapest.

NAGY, Ivan

Elements of controlling intermittent processes. *Magy kem lap* 19  
no.7:374-378 JI '64.

1. Designing Enterprise for Chemical Plants, Budapest.

NAGY, Ivan, OROSZ, Antal, KURCZ, Mihaly, BARANYAI, Pal, and AJTAI, Katalin, of the Central Laboratory of the Heim Pal Children's Hospital (Heim Pal Gyermekkorhaz Kozpinti Laboratoriuma), and the Department of General Zoology (Altalanos Allattani Tanszek) of the Eotvos Lorand University of Sciences (Eotvos Lorand Tudomanyegyetem = ELTE).

"Study of the Immunological Properties of Anti-Prolactin Serum Formed Upon Simple Prolactin Treatment"

Budapest, Kiserletes Orvostudomany, Vol 18, No 6, 1966; pp 640-644.

Abstract: After injection of purified sheep prolactin preparation without adjuvant anti-prolactin (Pr) antibodies appeared in the blood of experimental rats, which showed a precipitation reaction with Pr on an agar gel plate, and which agglutinated sheep erythrocytes sensitized to Pr in a high titer. The antibodies may be detected in the gamma globulin of the immune serum by means of immunoelectrophoresis. On the basis of authors' studies the sheep-Pr and anti-Pr are considered species-specific from the immunological point of view. The antish sheep Pr serum reacted only with extracts of sheep and bovine hypophysis, and showed no reaction with aqueous extracts of human, dog, rabbit, rat, guinea pig and pigeon hypophysis. On the basis of these results it is believed that Pr may be quantitatively determined by an immunological method, but to do this it is absolutely necessary to take into consideration the species-specific property of Pr. 28 References, mainly Western. Manuscript received 19 Jan 66.

1/1

Stretching and the water content of muscles. E. H. ...  
...



Nagy, J.

Med

6059. Microstructure of striated muscle. I. "Extraction methods". II. The long structure. III. The cross-striation. IV. Contracted forms. E. Ernst, L. Béloczki and J. Nagy *Acta physiol. Acad. Sci. Hung.*, 1958, 9, 7-39 (Biophysic. Inst., Med. Univ., Pécs, Hungary).

I. The optical behaviour of frog muscle fibres and single fibrils of insect muscle was photographically recorded under a polarising microscope in different solutions (Edsall-Weber, distilled water, 0.1% lactic acid, Ringer, etc.) during different stretches and relaxations. It was shown that identical changes in the optical behaviour are brought about by a variety of manipulations, therefore, the disappearance of an optical property (e.g. birefringency) does not prove that it was caused by the extraction of a birefringent substance.

II. Photographic records of native insect muscle fibrillae show the presence of long structures (filaments, protofibrillae) passing uninterrupted through several anisotropic and isotropic discs; they are much thinner and more delicate in the isotropic discs. The spiral structure could also be photographed. A very great variability of all these optical properties, thickness of the different discs, direction of the windings of the spiral (in the same fibril), thickness of the Z discs in the relaxed and contracted state, was found already in the native fibrils.

III. Hürthle's conclusion that the cross-striation is not a static structural part of the fibril but varies with the waves of contractions and relaxations was confirmed. Not all the longitudinal fibrillae of a fibre are simultaneously contracted but often bundles of fibrillae only. From the optical behaviour of *Hydrophilus* fibrilla under different experimental conditions (application of different solvents, stretch, relaxation etc.) it is concluded that the anisotropic disc in the fibril is caused by an enrichment of myosin, the isotropic disc by less thickly packed actin filaments, the Z line is due to an intrafibrillary stratified organisation, the M disc can only be a thickening of the substance in the anisotropic disc. The changes in

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*Beleczi, E. Ernest, and Nagy, J.*

optical behaviour of the fibril caused by stretch are attributed to physical and chemical changes in the materials making up the fibril elicited by the stretch.

IV. The tighter packing of the cross striation during contraction is attributed to diminution in height and increase in width of the material between 2 Z bands. It is suggested that during contraction only certain parts of the fibrils contract, others in between are stretched. This stretch elicits a stiffening and a further tension increase caused by crystn. (German)

A. B. L. BRZNAK

2/2

*Béloczki, E. ERNEST, AND Nagy, J.*

optical behaviour of the fibril caused by stretch are attributed to physical and chemical changes in the materials making up the fibril elicited by the stretch.

IV. The tighter packing of the cross striation during contraction is attributed to diminution in height and increase in width of the material between 2 Z bands. It is suggested that during contraction only certain parts of the fibrils contract, others in between are stretched. This stretch elicits a stiffening and a further tension increase caused by crystal. (German)

A. B. L. BEZNAK, 2/2

NAGY, Janos

Factory trade unions and the socialist brigades. Munka 13  
no.11:25 N '63.

1. Szakszervezetek Budapest Tanácsa termelesi bizottságnak  
vezetője.

NAGY, Janos

Contracts of cooperation between enterprises and institutions.  
Munka 14 no. 1:5 Ja '64.

1. Szakszervezetek budapesti Tanacsa munkaber bizottsaga  
vezetoje.

NAGY, J. 1948

(Debrecen Tud Tovenyszeki Orvostani Intezetenek Kozlemany)

"Fatal Alcohol-Nicotine Intoxication."

Orvosi Hetilap, Budapest. 1948 89/556(556-559)  
Abst: Exc. Med. V. Vol. 11, No. 6, p. 428

PIRITYI, K.;NAGY, J.

Effect of alcohol on color vision. Szemeszet 88 no. 4:195-199  
Dec. 1951. (GLML 21:3)

1. Doctors. 2. Laboratory for Color Study of the Eye Clinic (Head  
--Prof. Dr. Aladar Kettesy of Debrecen Medical University and  
Institute of Forensic Medicine (Director --Prof.-Dr. Sandor Okros),  
also of the University.

ARVAY, S.; NAGY, J.; SZIRMAI, E.

Effect of the hormonal environment on the function and structure  
of the uterus. Magy. noorv. lap. 15 no. 12:359-368 Dec 1952.

(GLML 24:1)

1. Doctors. 2. Obstetric and Gynecologic Clinic (Director -- Prof.  
Dr. Sandor Arvay) and Institute of Forensic Medicine (Director --  
Prof. Dr. Sandor Okros) of Debrecen Medical University,



TOTH M., VARGA E. and NAGY J.

Physiol. Inst., Inst. für gerichtl. Med., med. Univ., Debrecen. \*Beeinflussung der Degeneration peripherer Nerven mit Adenosintripospat. Effect of ATP on peripheral nerve degeneration ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (24-25)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

SZODORAY, L.; MAGY, J.; SOVARI, Eva; TUZA, K.

Nervous changes in psoriatic papule. Acta morph. hung. 4 no.4:507-513 1954.

1. Klinik für Haut-und Geschlechtskrankheiten (Vorstand Prof. L.Szodoray)  
und Institut für gerichtliche Medizin (Vorstand Prof. S.Okros) der  
Medizinischen Universität, Debrecen

(NERVES, in various dis.  
psoriasis)

(PSORIASIS, pathol.  
nerves)

NAGY, J.

ARVAY, A.; NAGY, J.

Experimental studies in situ on normal and denervated uterus.  
Acta physiol. hung. Suppl. no.6:45-46 1954.

1. Frauenklinik and Institut fur Forensische Medizin der  
Medizinischen Universitat, Debrecen.

(UTERUS, physiol.  
of normal & denervated uterus, in dog)

ARVAY, A.; NAGY, J.

The daily periodicity of the spontaneous motility of the normal and denervated uterus. Acta physiol. hung. 10 no.2-4:199-214 1956.

1. Department of Gynaecology and Institute of Forensic medicine,  
University Medical School Debrecen.

(UTERUS, physiol.

motility, spontaneous, daily periodicity in normal &  
denervated uterus in dogs & method for registration of  
uterus activities)

ARVAY, A.; NAGY, J.

The effect of follicle hormone on the spontaneous motility of the normal and the denervated uterus. Acta physiol. hung. 10 no. 2-4:215-228 1956.

1. Department of Gynaecology and Institute of Forensic Medicine, University Medical School, Debrecen.

(ESTROGENS, eff.

on spontaneous motility of normal & denervated uterus in dogs)

(UTERUS, eff. of drugs on

estrogens, on spontaneous motility of normal & denervated uterus in dogs)

NAGY, J.

VARGA, E.; NAGY, J.; TOTH, M.; HETENYI, E.

Influence of adenosinetriphosphate on the degeneration of peripheral nerves. Acta physiol. hung. 11 no.3-4:277-289 1957.

1. Physiologisches Institut und Institut für gerichtliche Medizin der medizinischen Universität, Debrecen.

(NERVES, PERIPHERAL, physiol.

degen., eff. of adenylypyrophosphate in rats (Ger))

(ADENYLYPYROPHOSPHATE, eff.

on degen. of peripheral nerves in rats (Ger))

ZSICHOND, Klara; NAGY, Janos

A rapid micromethod for the determination of nicotine. Kiserletes  
Orvostud. 11 no.5:536-539 0 '59.

1. Debreceni Orvostudományi Egyetem Igazságügyi Orvostani  
Intézete.

(NICOTINE chem)

JAKABFI, Imre, dr.; NAGY Janos, dr.

Data on the pathology and clinical aspects of cleroma. *Ful-orr-gegyogy* 6 no.3:104-108 S '60.

1. A Debreceni Orvostudományi Egyetem Ful-orr-gegeklínikájának (Igazgató: Verzar Gyula, dr. egyet.tanár [deceased]) és Igazságügyi Orvostani Intézetének közleménye (LARYNX dis.)



KASZAS, Tibor, dr.; NAGY, Janos, dr.

Infantile acute ethyl alcohol intoxication. Orv. hetil. 102 no.27:  
1249-1255 2 Je '61.

1. Debreceni Orvostudományi Egyetem, Gyermekklinika és Igazságügyi  
Orvostani Intézet.

(ALCOHOLIC INTOXICATION in infancy & childhood)

NAGY, Janos, dr., egyet. adjunktus.

Physical problems of thyroid function tests using radioiodine. *Magy. radiol.* 9 no.1:39-50 Apr 57.

1. A Budapesti Orvostudományi Egyetem Orvosi Fizikai Intézetének  
Közleménye Igazgató: Tarján Imre dr. egyetemi tanár.

(THYROID GLAND, funct. tests

radioiodine, radiation-counting technics & appar. (Hun))

(IODINE, radioactive

in thyroid funct. test, radiation-counting technics &  
appar. (Hun))

(RADIATION COUNTERS

in thyroid funct. tests using radioiodine, appar. &  
technics (Hun))

HUNGARY/Nuclear Physics - Instruments and Installations. Methods of C-2  
Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 26848

Author : ~~Nagy Janos~~, Tarjan Imre

Inst : Not Given

Title : Instrument With Counting Tube for Measurement of the Contents  
of  $I^{131}$  in the Thyroid Gland of a Living Organism.

Orig Pub : Magyar fiz. folyoirat, 1958, 6, No 1, 37-42

Abstract : No abstract

Card : 1/1

NAGY, J.; TAPJAN, I.

"J<sup>131</sup>-diagnosis apparatus for thyroid-gland examinations." p. 239.

MAGYAR FIZIKAI FOLYOIRAT. (Magyar Tudományos Akademia). Budapest, Hungary,  
Vol. 6, No. 3, 1958.

Monthly list of East European Accessions (FEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

KERTAI-PAL, Sandor; NAGY, Janos; SOS, Jozsef

Effect of tyrosine antimetabolites on iodine-131 binding of the thyroid.  
Kiserletes orvostud 9 no.5-6:575-580 Oct-Dec 58.

1. Korelettani Intezet es Orvosi-Fizikai Intezet Budapest.

(TYROSINE, antag.

eff. on iodine uptake in rat thyroids (Hun))

(THYROID GLAND, eff. of drugs on

tyrosine antag. on iodine uptake in rats (Hun))

(IODINE, metab.

thyroid, eff. of tyrosine antag. on uptake in rats (Hun))

NAGY, Janos, egyet adjunktus

Apparatus with Geiger-Muller tubes for thyroïdal diagnosis using iodine-131. Magy. radiol. 10 no.1:50-56 Mar 58.

1. A Budapesti Orvostudományi Egyetem Orvosi Fizikai Intézetének közleménye. Igazgató: dr. Tarjan Imre egyetemi tanár, a fizikai tudományok kandidátusa.

(THYROID GLAND, dis.

diag., radioiodine, counting by appar. with Geiger-Muller tubes (Hun))

(IODINE, radioactive

diag. of thyroid dis., counting by appar. with Geiger-Muller tubes (Hun))

(RADIATION COUNTERS

appar. with Geiger-Muller tubes for radioiodine diag. of thyroid dis.

SCS, J.; KERTAI, P.; HAGY, J.; CSUZI, S.

Effect of tyrosine antimetabolites on the radiiodine uptake of the thyroid gland. Acta physiol. hung. 14 no.1:57-59 1958.

1. Institute of Pathophysiology and Institute of Medical Physics,  
Medical University, Budapest.

(TYROSINE, antag.

antimetabolites, eff. on thyroidal iodine uptake in rats)

(THYROID GLAND, eff. of drugs on

tyrosine antimetabolites on iodine uptake in rats)

(IODINE, metab.

thyroid, eff. of tyrosine antimetabolites on uptake in rats)

BARTA, Lajos, Dr.; BEDO, Magdalna, B., Dr. Technikai munkatars; NAGY, Gyorgy;  
NAGY, Janos

Effects of the temperature of liquids getting into the stomach on the  
blood sugar level. Orv. hetil. 99 no.34:1164-1165 24 Aug 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikaanak  
(igazgato: Gegesi Kiss Pal dr. akadémikus, egyet. tanar) es az Országos  
Elelmezés- és Táplakazastudományi Intezet (igazgato: Tarjan Robert dr.  
az orvostudományok kandidátusa) közleménye.

(FLUIDS

eff. of temperature of dietary fluids on blood sugar in  
exper. animals (Hun))

(BLOOD SUGAR

eff. of temperature of dietary fluids in exper. animals  
(Hun))



VARGA, Laszlo; HAGY, Janos

Certain problems in labeling human erythrocytes with radio-phosphorus ( $P^{32}$ ). Kiserletes Orvostud. 11 no.5:453-458  
0 '59.

1. Budapesti Orvostudományi Egyetem Orvosi Fizikai Intézete.  
(ERYTHROCYTES)  
(PHOSPHORUS radioactive)

FOLDES, Janos; NAGY, Janos; KERTAI, Pal; REMENAR, Laszlone

Effect of reserpine on the function of the thyroid gland. *Magy. belorv. arch.* 12 no.1:10-13 Feb 59.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikájának. (igazgató: Dr. Ruzsnyak Istvan egyetemi tanár), Orvofizikai Intézetének (igazgató: Dr. Tarjan Imre egyetemi tanár) és az Országos Közegészségügyi Intézet (igazgató: Dr. Bakacs Tibor közleménye.

(RESERPINE, eff.  
retardation of thyroidal hormone secretion in  
rats (Hun))

(THYROID GLAND, eff. of drugs on  
reserpine retardation of hormone secretion in  
rats (Hun))

FOLDES, J.; NAGY, J.; KERTAI, P.; TAKACS, E.

Effect of Chlorpromazine on thyroid activity. *Acta med. hun.* 14  
no. 4:371-378 '59.

1. 1st Department of Medicine, University Medical School, Budapest;  
Institute of Medical Physics, Budapest and State Institute of  
Hygiene, Budapest.

(CHLORPROMAZINE pharmacol.)

(THYROID GLAND pharmacol.)

BARTA, Lajos, az orvostudományok kandidátusa; B.BEDO, Magdolna; Technikai munkatársak: NAGY, György; NAGY, János; PALOS, István

Investigating the effect of dibenamine in a hypoglycemic syndrome provoked by insuline. Biol orv kozl MTA II no.1:103-110 '60.

(EEAI 10:1)

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermakklínika és az Országos Elelmezés- és Táplakozástudományi Intézet.

(SUGAR) (BLOOD) (CHLOROETHYLDIBNEZYLAMINE)  
(HYPOGLYCEMIA) (INSULIN)

NAGY, Janos, egyetemi adjunktus

In vivo demonstration of the localization of radioactive isotopes.  
Magy. radiol. 12 no.2:112-118 Jé '60.

1. A Budapesti Orvostudományi Egyetem Orvosi Fizikai Intézetének  
közleménye. Igazgató: Tarwin, Imre, dr. egyetemi tanár.

(RADIOMETRY)  
(RADIOAUTOGRAPHY)

FOLDES, Janos, dr. + NAGY, Janos, dr. KERTAI, Pal, dr.

Effect of chlorpromazine on thyroid function. Orv. hetil. 101  
no.12:403-406 20 Mr 1960.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikája,  
Orvosfizikai Intézet és az Országos Közegészségügyi Intézet.  
(CHLORPROMAZINE pharmacol.)  
(THYROID GLAND pharmacol.)

HARSING, Laszlo; DUBECZ, Erzsebet; KOVER, Gyorgy; NAGY, Janos; es  
GERBER, Katalin; TAKACS, Eva, technikai segedletevel

Effect of hypothermia on the level of substituted Na. Kiserletes  
orvostud. 13 no.4:373-380 Ag '61.

1. Budapesti Orvostudományi Egyetem Elettani es Orvosfizikai Intezete.

(BODY TEMPERATURE) (SODIUM metab)

HARSING, Laszlo; NAGY, Janos; KOVER, Gyorgy; DUEECZ, Ersebet; es GERBER,  
Katalin; TAKACS, Eva technikai segedletevel

Effect of hypothermia on transcapillary Na substitution. Kiserletes  
orvostud. 13 no.4:385-391 Ag '61.

1. Budapesti Orvostudományi Egyetem Elettani es Orvosfizikai Intezete.

(BODY TEMPERATURE) (SODIUM blood)



FOLDES, Janos; NAGY, Janos; KRASZNAI, Istvan,

Studies on binding of I-131 by serum proteins after the administration of thyrotropic hormone. Magyar orv. arch. 14 no.2:52-56 My '61.

1. Budapesti Orvostudományi Egyetem I sz. Belklinika (Igazgató: dr. Ruzsnyak Istvan egyetemi tanár) és Orvosi fizikai Intézet (Igazgató: dr. Tarján Imre egyetemi tanár) közleménye.

(IODINE blood) (BLOOD PROTEINS chem)  
(THYROTROPIN pharmacol)

FOLDES, J.; NAGY, J.; KRASZNAI, I.

A study of serum protein bound I-131 after administration of thyrotropic hormone. Acta med. hung. 17 no.2:127-135 '61.

1. I. medizinische Klinik (direktor: prof. dr. I. Rusnyak) und Institut für medizinische Physik (direktor: prof. dr. Tarjan) der medizinischen Universität, Budapest.

(THYROTROPIN pharmacol.) (IODINE radioactive)  
(BLOOD PROTEINS chem.)

HORN, Zoltan, dr.; LAZARITS, Jeno, dr.; NAGY, Janos, dr.; FENYES, Gyorgyne, dr.;  
PALKOVITS, Miklos, dr.

Use of radioiodine for diagnostic purposes in diseases of the thyroid  
gland. Magy.radiol. 14 no.4:205-207 J1 '62.

1. Fovarosí Karolyi Korház Izotop Laboratoriuma es Sebészeti Osztálya,  
Orvosi Fizikai Intezet (Budapest), Országos Onkológiai Intezet,  
Anatómiai Intezet (Budapest).

(THYROID GLAND dis)

(IODINE radioactive)

FOLDES, Janos; NAGY, Janos

Studies on the determination of thyrotropic hormone in guinea pigs.  
Human blood serum as a factor lowering thyrotropic hormone activity.  
Magy. Belorv. arch. 15 no.3:94-98 Je '62.

1. Budapesti Orvostudományi Egyetem I. sz Belklinika (igazgató: Rusznyak István dr. egyetemi tanár) és az Orvosfizikai Intézet (igazgató: Tarján Imre dr. egyetemi tanár) közleménye.  
(THYROTROPIN blood) (HYPERTHYROIDISM blood)

BIRO, J.; NAGY, J.; RENYI-VAMOS, F.

Distribution of radioactive sodium and potassium in the normal and pathological kidney. Acta physiol. acad. sci. hung. 22 no.1:51-57 '62.

1. Urologische Klinik und Physikalisches Institut der Medizinischen Universität Budapest.

(KIDNEY DISEASES)

(SODIUM ISOTOPES)

(POTASSIUM ISOTOPES)

GYORGYI, Sandor; GAZSO, Jozsef; NAGY, Janos

Detection of radiation injuries on the basis of the change of  
certain properties of the blood. Fiz szemle 13 no.7:216-218  
Jl '63.

1. Orvosi Fizikai Intezet, Budapest.

PAL, Imre; NAGY, Janos, GYORGYI, Sandor.

Radioautographic studies on the distribution of S-35-methionine.  
Kiserl. orvostud. 16 no.1:75-79 Ja'64.

1. Budapesti Orvostudományi Egyetem Orvosi Fizikai Intézete.

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BANOS, Csaba; NAGY, Janos

Study on adrene-thyroid system using double I-131 and P-32  
labeling. Kiserl. orvostud. 16 no.2:136-142 Ap'64

1. Budapesti Orvostudományi Egyetem Orvosi Fizikai Intezete.

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SOLTI, F.; HOLLO, I.; ISKUM, M.; NAGY, J.; RUZSA, P.

On the effect of female sex hormones on the circulation and blood supply of the extremities in the dog. Acta med. acad. sci. Hung. 21 no.3:337-341 '65.

1. I. Medizinische Klinik (Direktor: Prof. I. Magyar) der Medizinischen Universität, Budapest. Submitted March 29, 1965.

NAGY, J.

2445. Contributions on the electrical conduction of coloured and uncoloured alkali halide crystals. P.TOMKA. Acta. phys. Hungar., 2, No. 3, 209-22 (1952) In German.

7124. Determination of the excitation function of  $^{12}\text{Mg}(d,n)^{14}\text{Si}$  nuclear processes. J.NAGY. Acta phys. Hungar., 3, No. 1, 15-21 (1953). 539.172.11

A half-spherical Mg metal surface is bombarded with the  $\alpha$ -rays of a Po preparation placed in the centre of the half sphere. The excitation curves of the resulting  $\text{Mg}(d,n)\text{S}$  nuclear processes are measured by the  $\text{BCl}_3$ -filled ionization chamber. By measuring the counting rate of the chamber it is also possible to obtain the absolute yield of the nuclear transformation. The neutron radiation is likely to be emitted by the  $\text{Mg}^{25}$  isotopes.

A.

SO: Physics Abstracts, Vol. 56, No. 664, April 1953.

Nagy, J.

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

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 589

Author: Imre, L., and Nagy, J.

Institution: Debrecen University

Title: Investigation of the Kinetics of Chromatography

Original Periodical: Acta Univ. Debrecen, 1955, Vol 2, 167-175 (published in Hungarian with a German summary)

Abstract: Solutions containing infinitely small concentrations of radioactive cations (ThB, Ra, and MsTh) were passed through columns packed with crystalline BaSO<sub>4</sub> powder. The columns were then divided into sections and the specific radioactivity of each section was measured. The distribution of the radioactivity by sections is in good agreement with the theoretical equation  $\log(\delta x_1 / \delta m) = \log x_e^0 - 0.4343 i \delta m \cdot k'_0$ , where  $x_e^0$  is the specific activity of the top section,  $i$  is the sequential index of the layer, and  $k'_0$  is the distribution coefficient between the

Card 1/2

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

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 589

Abstract: adsorbent and the solution. This equation can also be applied with finite rates of equilibrium attainment with the additional introduction of a time factor  $q$ , the numerical value of which can be calculated theoretically. An equation is also presented for the elution process. Good agreement was observed between the theoretical and experimental values.

Card 2/2

MAGY, J.

SCIENCE

PERIODICALS: ~~ACTA ZOOLOGICA. Vol. 3, No. 4, 1955~~  
MAGYAR FIZIKAI FOLYOIRAT. Vol. 3, no. 4, 1955

Nagy, J. Remote-control devices for pipetting radioactive and other contaminating substances. p. 406.

Monthly list of East European Accessions (EEAI) IC, Vol. 8, No. 2,  
February 1959, Unclass.

NAGY János.

Distr: 4E3d/4E3c

19

Excitation function of the  $B(\alpha, n) N$  reaction. János Nagy. *Magyar Tudományos Akad. Mat. és Fiz. Tudományok Osztályának Közleményei* 3, 199-204 (1955).—The arrangement used for the investigation of the  $\alpha, n$  excitation function of the  $B(\alpha, n) N$  reaction consisted of an intense  $Po$  source placed in the center of a half sphere made of Cu and lined with B powder. The range of the  $\alpha$ -particles was varied by changing the pressure of N in the Cu sphere. The slow neutrons were counted in a counter filled with  $BCl_3$  at 310 mm. Hg pressure. Two nuclear reactions have to be considered:  $B^{10}(\alpha, n) N^{14}$ ,  $Q = +1.2$  m.e.v.,  $B^{11}(\alpha, n) N^{14}$ ,  $Q = +0.28$  m.e.v. The excitation function (no. of  $n$  as a function of  $\alpha$  energy) showed peaks at 1.33, 1.64, 3.04,

3  
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3.30, and 3.6 cm. Of these, 1.64 and 3.04 are due to reaction  $B^{10}$ ; all the other peaks to  $B^{11}$  reaction. E. Rona

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NAGY, JANOS

C-5

HUNGARY/Nuclear Physics - Nuclear Reactions

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 12734

Author : Nagy Janos  
Inst : Debrecen University, Debrecen, Hungary  
Title : The Excitation Function of the ( $\alpha$ , n) Reaction on Certain Light Elements

Orig Pub : Acta Univ. debrecen., 1956, (1957), 3, No 2, 49-61

Abstract : Using an ionization chamber with BCl<sub>3</sub>, contained in a cylindrical paraffin block, the author has measured the excitation functions of the ( $\alpha$ , n) reaction on aluminum, magnesium, and boron. Samples of the above materials were taken in the form of a hollow hemisphere, in the center of which was located a polonium compound. The reaction  $Al^{27}(\alpha, n)P^{30}$  begins at  $E_{\alpha} = 3.67$  Mev; when  $E_{\alpha} = 4.45$  Mev, resonance is observed. The excitation function for magnesium displays two resonances at 5 and 5.3 Mev. The absolute yield of the neutrons is, for this reaction,  $3.75 \times 10^{-7}$  neutrons per  $\alpha$  particle. In the case of boron, the excitation function shows many resonances.

Card : 1/2

Nancy JAMOS

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NAGY, JÁNOS

Category : HUNGARY/Nuclear Physics - General Problems

C-1

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 229

Author : Nagy, Janos and, Tarjan, Imre  
Title : Construction of a Laboratory for Radioactive Isotopes

Orig Pub : Magyar epitoipar, 1956, 5, No 6, 274-280

Abstract : No abstract

Card : 1/1

NAGY, Janos

HUNGARY/Nuclear Physics - Installation and Instrument.  
Methods of Measurement and Research

C

Abs Jour : Ref Zhur Fizika, No 1, 1960, 360

Author : Berecz, Istvan; Bornemisza, Gyorgyne; Nagy, Janos

Inst : -

Title : Low Voltage Neutron Generator

Orig Pub : Magyar fiz. folyoirat, 1958, 6, No 5, 431-435

Abstract : Description of a generator of dt-neutrons.

Card 1/1

- 20 -

Abs Jour : Ref Zhur Fizika, No 2, 1960, 2770

Author : Nagy, Janos; Voszka, Rudolf

Inst : -

Title : Hollow NaI (Tl) Crystal for Determining Weak Gamma Activity

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136

Orig Pub : Magyar fiz. folyoirat, 1958, 6, No 5, 483-486

Abstract : Description of the construction and of the principal parameters of a scintillation counter with a NaI(Tl) crystal of barrel-shaped type. The counter is intended for measurement of weak gamma activities of solutions. A method of processing the crystal in order to obtain a barrel-like cavity is indicated -- V.I. Lend'yel

Card 1/1

NAGY, J., NAGY, T., KARATSUBA, A. P., MALTSEV, E. I.,

"Identification of Particles in Xenon Bubble Chamber Without Magnetic Field"

paper presented at the Intl Conference on High Energy Physics, Rochester, N. Y.  
and/or Berkly California, 25 Aug - 16 Sep 1960.

Z/037/62/000/005-6/003/049  
E140/E562

AUTHOR: Nagy, J.

TITLE: Hollow electron beams in a periodic magnetic field

PERIODICAL: Československý časopis pro fysiku, no.5-6, 1962,  
447-450

TEXT: Hollow electron beams of constant axial potential in a periodic axial magnetic field are analysed in the paraxial approximation. Focusing conditions are derived, from which the amplitude and spatial period of the magnetic field are obtained in a form useful for design purposes. There are 5 figures. ✓

ASSOCIATION: Ústav spojovací techniky, Budapešť  
(Telecommunications Institute, Budapest)

Card 1/1

I 45067-65

ACCESSION NR: AP5014278

HU/0021/64/000/006/0351/0354

3

AUTHOR: Csomor, S. (Chemer, Sh.) (Doctor); Nagl, J. (Nadt, I.); Gazso, J. (Gazho, Y.) (Doctor); Varga, J. (Varga, Y.) (Doctor)

TITLE: Changes in the resistance of erythrocytes and thrombocytes to ultrasound during radiation treatment of women with cancer

SOURCE: Magyar radiologia, no. 6, 1964, 351-354

TOPIC TAGS: radiology, ultrasonic vibration

ABSTRACT: (Authors' English summary modified) During the radiation treatment of women suffering from carcinoma, the ultrasound resistance of erythrocytes remained unchanged that of thrombocytes, however, decreased. This finding is in agreement with the observation that changes in the blood coagulation factors during irradiation therapy correspond to thrombocytopenia in the majority of cases. Orig. art. has 1 table.

ASSOCIATION: Budapesti Orvostudományi Egyetem I. sz. Női Klinikájának és Orvos-fizikai Intézetének (Gynecological Clinic, Institute of Medical Physics, Medical University of Budapest)

Card 1/2

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ACCESSION NR: AP5014278

SUBMITTED: 00

ENCL: 00

SUB CODE: LS, LP

NO REF SOV: 000

OTHER: 013

JPRS

Card <sup>CV</sup> 2/2

NAGY, Janos

Measurements in connection with the Penning ion source. *Magy fiz*  
folyoir 12 no.3:287-296 '64.

1. Institute of Experimental Physics, Debrecen.

NAGY, Janos

Training of experimental research physicists in Debrecen. Fiz  
szemle 15 no.12:397-398 D '64.

1. Institute of Experimental Physics of Lajos Kossuth University,  
Debrecen.



NAGY, Janos; NAGY, Janosné

Metronome-controlled slope for teaching the uniformly changing motion. Fiz szemle 14 no.8:258-260 Ag'64

1. Vendel Street High School, Budapest, IX. (for Janos Nagy).
2. "Donat Banki" Technical School of Machine Industry, Budapest (for Mrs Janos Nagy).

NAGY, Janos; NAGY, Janosne

Metronome-controlled slope for teaching the uniformly changing motion. Fiz szemle 14 no.8:258-260 Ag'64

1. Vendel Street High School, Budapest , IX. (for Janos Nagy).
2. "Donat Banki" Technical School of Machine Industry, Budapest (for Mrs Janos Nagy).

NAGY, Janos

The Penning's source of ions. ATOMKI kozl 3 no.4:211-230 '61.

NAGY, Janos; GOMBOS, Peter; BEREZ, Istvan, tudomanyos munkatars;  
MUCSI, Janos uvegtechnikus

Electrolyzer for obtaining pure H<sub>2</sub>/D<sub>2</sub>/gas. ATOMKI kozl 3  
no.4:231-233 '61.

1. Magyar Tudomanyos Akademia Atommag Kutato Intezete,  
Debrecen.

NAGY, Janos; GOMBOS, Peter

Some practical alterations on radio-frequency ion sources. ATOMKI  
kozl 4 no.1:19-31 My '62.

NAGY, Janos

Sector-type magnetic analyzer for investigating ion beam composition. ATOMKI kozl 5 no.1:25-34 My '63.

NAGY, Janos; GOMBOS, Peter

Measurements by high-frequency ion source. ATCMKI kozl 5  
no.1:39-46 My. '63.

UJHELYI, Csaba; SCHADEK, Janos; DEZSI, Zoltan; NAGY, Janos

Ionization chamber measuring device for determining the activity of gamma radiant preparations with the strength of 10-4-1 Curie. ATOMKI kozl 2 no. 3:237-241 '60.

1. Magyar Tudomanyos Akademia Atommag Kutato Intezete, Debrecen.



NAGY, Jeno

Making city maps by means of photogrammetric process. Geod kart 14  
no.6:424-432 '62.

1. AVTH fomernoke.

NAGY, Jeno

Large-scale photogrammetrical survey in Austria. Geol kart  
15 no.2:130-131 '63.

NAGY, Jeno

Application of the NASM-4 geodimeter in the determination of the points of minor control. Good kart 15 no.53380-381 '63.

NAGY, Jeno

The 1:1000 scale aerial photogrammetric altitude exposure and the preparation of the 1:2000 scale photographic atlas in Switzerland. Geod kart 15 no.6:467- '63.

NAGY, Jeno

Accuracy test of point concentration within the model. Geod  
kart 16 no. 1: 28-34 '64.

NAGY, Jeno, dr.

Results of the 1964 contest of the State Bureau of Geodesy  
and Cartography. Geod kart 17 no.2:140-141 '65.

NAGY, Jenó; PUMMER, Sandor

Intermediate-frequency transformer in the transistor super set.  
Radiotechnika 10 no.3:67-69 Mr '60

NAGY, Jeno

Data on mains and output transformers. Radiotechnika 12 no.5:  
153 My '62.



NAGY, Jeno

Japanese two-transistor reflex receivers. Radiotechnika 12  
no.7:230-231 J1 '62.

NAGY, Jeno, dr., tanar

Harvest preparations at Szentgyorgyhegy. Elet tud 17 no.40:1259-  
1261 7 0 '62.

1. Goldrajzi kutato, Tapolca.

NAGY, Jeno

Foreign transistor radio receivers, Pt.2. Radiotechnika 13  
no.2:4 of cover F '63.

NAGY, Jeno, dr.

Delineation of topographic reliefs by stereotopographic process  
for maps with the scale of 1:2000. Geod kart 17 no.1:60 '65.

Point determination by Photogrammetry. Ibid.:61