

RYUMIN, V.N.; BENKIN, V.A.

Automation of the manufacture of tractor-engine crankshafts.  
Bul. tekhn.-ekon. inform. no.3:93-96 '58. (MIRA 11:6)  
(Automation) (Crankshafts and cranks)

RYUMIN, V.N.; BERKIN, V.A.

Automation of the manufacture of camshafts for automobile and tractor engines in the U.S.A. Biul. tekhn.-ekon. inform. no.4: 93-96 '58. (MIRA 11:6)

(United States--Automation)  
(United States--Automobiles--Engines)  
(United States--Tractors--Engines)

BYUMIN, V.H.; BYMKIN, V.A.

Automation of the production of tractor-engine valves. Bul.  
tekh.-ekon.inform. no.5:90-92 '58. (NIR 11:7)  
(Automation) (Valves)

RYUMIN, V.N., kand.tekhn.nauk; BENKIN, V.A., inzh.

Automatic control in the production of automobile and tractor  
engine crankshafts. Trakt. i sel'khoz Mash. 8:37-40 Ag '58.  
(MIRA 11:8)

(Tractors--Engines) (Automobiles--Engines) (Automatic control)

BENKIN, V.A., inzh.

Automation of the machining of crankshafts and lay shafts on lathes  
and drilling machines. Mekh.i avtom. proizv. 15 no.6:4-8 Je '61.  
(MIRA 14:6)

(Metal cutting)  
(Automation)

BENKLER, B.L. (Omsk)

Anis'ia Mikhailovna Panteleeva. Med,sestra 16 no.7:32 J1 '57.  
(PANTELEEVA, ANIS'IA MIKHAILOVNA) (MIRA 10:11)

56. Compressor Intake Nozzle Design

"Design of the Intake Nozzle of a Compressor With Consideration of Air Compressibility," by V. S. Berknev, Sb. statey Mosk. vyssh. Tekhn. uch-shcha, 1955, 39, pp 43-54 (from Referativnyy Zhurnal -- Mekhanika, No 4, Apr' 57, Abstract No 4337, by V. D. Sokolov)

"This article gives a report on a method of approximation for the calculation of the velocity ranges in axisymmetrical canals during the steady flow of a compressible ideal fluid. Calculation for an incompressible fluid is given in the first approximation. A correction for compressibility is obtained thru the use of equations of consumption, which take into account the radial equilibrium and the dependence of the viscosity of the liquid on the velocity of the flow. Experimental results are given for verification of the method. The bibliography contains four sources." (U)

1971, 2.; 1971, 4.

The use of carbon tetrachloride in the production of fix-tips by machine.  
p. 111.

1971. 11. 1971. (Magyar Tudományos Akadémia) Budapest, Hungary, Vol. 1,  
no. 4, 1971. In English.

Monthly list of East European Accessions, (MEMO) IC, Vol. 1, no. 1, Jan. 1971.

Encl.



Excerpta Medica Sec 16 Cancer Vol. 2/1 Jan 54

39. BENKÖ A., KOLTAY M. and GABOR P. Inst. für path. Anat. & Pathohistol. und Med. Klin., Univ. Szeged. Über die Fernwirkung karzinogener Stoffe mit besonderer Berücksichtigung der Leberveränderungen *Remote effect of carcinogenic substances with special reference to changes in the liver* Arch. Geschwulstforsch. 1953, 5/1 (47-58) Tables 1 Illus. 5

The treatment of white mice with various carcinogenic substances (benzpyrene, dibenzanthracene diethylstilboestrol, female sex hormone) in various manners (intra-peritoneally and painting) resulted chiefly in degenerative lesions of various organs. The most severe and constant alterations occurred in the liver. It is suggested that the changes of the internal organs, especially those of the liver may play a rôle in the development of an 'internal cancerogenic disposition.'

Romhányi -- Pécs

EXCERPTA MEDICA Sec 16 Vol 7/9 Cancer Sept 59

3814. **Clinical and morbid-anatomical studies on reticuloses, both spontaneous and due to macromolecular storage** Klinisch-pathologische Studien über die durch makromolekuläre Speicherung entstehenden und spontanen Reticulosen. **BENKÖ A.** I. Med. Klin. der Univ. Szeged *Z. ges. inn. Med.* 1958, 13/9-10 (294-303) Graphs 2 Tables 3 Illus. 7

The development of pathological changes (blood picture, pathological proteins, pathological reactions) in clinical and experimental reticulosis is discussed. Personal experiments with a macromolecular carbohydrate polymer lead to the following conclusions: In the first stage of reticulosis the causative factors (viruses, intoxications) give rise to a degenerative or proliferative reaction of the RES. In the second stage, hepatosplenomegaly consequently develops. In the third stage, as a result of the hepatosplenomegaly, pathological proteins (macroglobulins, cryoglobulins, etc.) are formed. These pathological proteins in their turn give rise to the next symptoms, such as haemorrhagic diathesis, vascular lesions, etc. Horst - Poznań

EXCERPTA MEDICA Sec 5 Vol 12/8 General Path. Aug 59

2151. THE INFLUENCE OF DENERVATION ON CARCINOGENESIS IN THE RAT SKIN, AND ON THE GROWTH OF GUÉRIN TUMOURS - Der Einfluss der Denervation auf die Hautcarcinogenese der Ratten und das Wachstum des Guérin Tumors - Benkő, A. and Tiszai, A. I. Med. Koll. Univ. Szeged - ARCH. GESCHWULSTFORSCH. 1958, 13/3 (239-250) Graphs 1 Tables 4 Illus. 11

In experimental animals denervation was achieved by excising branches of the ilio-hypogastric, ilioinguinal, femoral, obturator, and sciatic nerves, in sections of 0.5 cm. each, under ether anaesthesia. The resulting total paralysis of the left extremity lasted about 3 months. In one series of experiments, the development of tumours after painting with a 0.5% solution of 3:10-dimethyl-1:2-benzanthracene was studied. It was found that the tumours developed earlier and grew bigger in the paralysed extremities than the tumours of the non-denervated controls. In 3 additional series of experiments, the development and growth of Guérin carcinomas after denervation were examined. Tumours implanted under the skin of denervated extremities were found to develop sooner and grow faster than tumours in non-denervated controls. It is concluded that development and growth of these tumours are favoured by denervation because of the reduced resistance of the mesenchyma which provides the defence mechanism.

Juhász - Budapest (V. 16)

JAKOBQVITS, Antal, dr.; NANY, Sándor, dr.; BENKO, Akos, dr.; TOROK, László, dr.

Clinical observations on extrauterine pregnancy. Magyar. orv. Lap. 21 no.1:56-60 Ja '60.

1. A Szegedi Orvostudományi Egyetem Szülészeti és Nőgyógyászati Klinikájának közleménye (Irásgató: Batizfalvy János dr. egyetemi tanár).

(PREGNANCY ECTOPIC)

SECRET

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MAROCZI, Jozsef, dr.; BENKO, Aladar, dr.; RETHY, Lajos, dr.; KELEMEN, Geza, dr.;  
PACSA, Sandor, dr.

Immunological examinations of infants simultaneously vaccinated by  
oral poliovaccine and smallpox vaccine. Orv. hetil. 104 no.3:103-112  
20 Ja '63.

1. Human Oltoanyagternelo es Kutato Intezet, Budapest, Pecs Orvostudo-  
manyi Egyetem, Mikrobiologiai Intezet, Baranya megyei Kozegeszseg- es  
Jarvanyugyi Allomas, Viruslaboratorium.  
(POLIOVACCINE, ORAL)      (SMALLPOX VACCINE)      (ANTIBODIES)

CSATO, Peter, Dr.; BENKO, Albert, Dr.

Screening examination of newborn infants in the interest of the early therapy of hip dislocations. Orv. hetil. 99 no.26:892-894  
29 June 58.

1. Borsod-Abaúj-Zemplén Meryei Sennelweis Korház (igazgató: Kende István dr.) Baleseti és Orthopaédiai Osztályának (főorvos: Csato Peter dr.) közleménye.

(HIP, disloc.

screening of newborn inf. for early detection (Hun))

18/000 Author

"Security output" by Author Janet, Reviewed by Author Frank  
Change to page 12 on 4-153 to 165.



HUNGARY

SZATHMARY, Jozsef, Dr, ~~BENKO, Aladar, Dr~~: "Human" Institute of Vaccine Production and Research (director: VERES, Gabor, Dr) (HUMAN Gyógyanyagtervezés Kutató Intézet).

"Decrease in the Effectiveness of the Glycerin-Base Smallpox Vaccine at Different Temperatures."

Budapest, Orvosi Hetilap, Vol 108, No 9, 26 Feb 67, pages 398-400.

Abstract: [Authors' Hungarian summary] The pock count of the glycerin-base smallpox vaccine kept above 0°C decreases as a result of the damaging effect of glycerin on the vaccinia virions. The extent of the decrease is dependent on temperature, time period as well as on the quantity and quality of the glycerin. In order to increase the stability of the effectiveness, the smallpox vaccine is now produced with a 50 per cent glycerin concentration (less than earlier) and with a somewhat higher virus concentration,  $1-5 \times 10^7$  pock counts. 3 Hungarian, 6 Western references.

EMKOC, Andor

Description of welding experiments by dust cushion carried  
out in the Galati Shipyard. Jarmu mezo gep 5 no.4:120 Je '58.

BENKO, B., ing.; BLASKOVIC, F., ing.

Information on the study journey to the German Democratic Republic.  
Zvarstvo 10 no.12:377-378 D '61.

1. Slovenska vysoká škola technická, Bratislava (for Benko).
2. Vojenský ústav zvarcovský, Bratislava (for Blaskovic).

ZITNANSKY, M., inz., ADAMKA, J., inz., BENKO, B., inz.

Welding in making sculptures. Tech praca 15 no.  
12: 993-995 D '63.

1. Slovenska vysoka skola technicka, Bratislava.

BENKO, Bernard, inz.; ZITNANSKY, Marcel, inz.

Efficiency value of electrodes. Zvaranie 12 no.3:63-66 Mr '63.

1. Slovenska vysoka skola technicka, Bratislava.

BENKO, Bernard; ZITNANSKY, Marcel; ADAMKA, Jozef

Welding in sculpture. Zvaranie 13 no.8:231-234. Ag '64.

1. Slovak Higher School of Technology, Bratislava.

BENKO, Bohuslav, inž.

Water system of some varieties of apple trees. Rostlin výroba 9  
no.2:157-172 F '63.

1. Vyskumny ustav rastlinnej vyroby, Piešťany.

BENKO, C.

Reduction of some *N*-substituted aminocetonitriles with lithium aluminum hydride. C. Benko and M. Tiller (Univ. Ljubljana, Yugoslavia). *J. Chem. Phys.* 20, 243-5 (1958).  
 Expt. of 17 g. PhNHCH<sub>2</sub>CN in 70 ml. Et<sub>2</sub>O was added with stirring to 4.9 g. LiAlH<sub>4</sub> in 300 ml. Et<sub>2</sub>O during 3 hrs. at 5°, the mixt. stirred 0.5 hr., 20 ml. H<sub>2</sub>O added, the aq. layer sep'd., extd. with four 50-ml. portions Et<sub>2</sub>O, and the exts. dried and evol. to yield 4.6 g. PhNHMe (I) and 5.6 g. PhNHCH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub> (II), b.p. 125-33°; di-Ac deriv. of II m. 118°. With boiling tetrahydrofuran in place of Et<sub>2</sub>O the yield was 08.3% I and 13.3% II. In same manner the following RNHCN were reduced in boiling Et<sub>2</sub>O (R, % yield of RNHMe, % yield of RNHCH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub> (III), b.p./mm. of III, formula of the deriv. from III and PhNCS and its m.p. given: *p*-MeC<sub>6</sub>H<sub>4</sub>, 37.5, 20.1, 56-7°/15, C<sub>6</sub>H<sub>5</sub>N<sub>2</sub>S, 119°; *o*-MeC<sub>6</sub>H<sub>4</sub>, 30, 18.7, 152-7°/15, C<sub>6</sub>H<sub>5</sub>N<sub>2</sub>S, 118°; *m*-MeC<sub>6</sub>H<sub>4</sub>, 60.4, 16.1, 156-60°/13, C<sub>6</sub>H<sub>5</sub>N<sub>2</sub>S, 169°; C<sub>6</sub>H<sub>5</sub>, 14.8, 10.4, 95-9°/12, C<sub>6</sub>H<sub>5</sub>N<sub>2</sub>S, 152°; PhCH<sub>2</sub>, 3.6, 23, 134-5°/18, C<sub>6</sub>H<sub>5</sub>N<sub>2</sub>S, 169°.  
 R. Cuhak

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 HE 3 d  
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BENKO, Cveta

Vacuum in semiconductor technics. Nova prozv 13 no.1:81-83  
'62.

ENKO, D.

From the activity of the Iosia-Oradea State Farm. Probleme econ  
16 no.12:116-121 D '63.

1. Director al Gospdariiilor Agricole de Stat Iosia-Oradea.

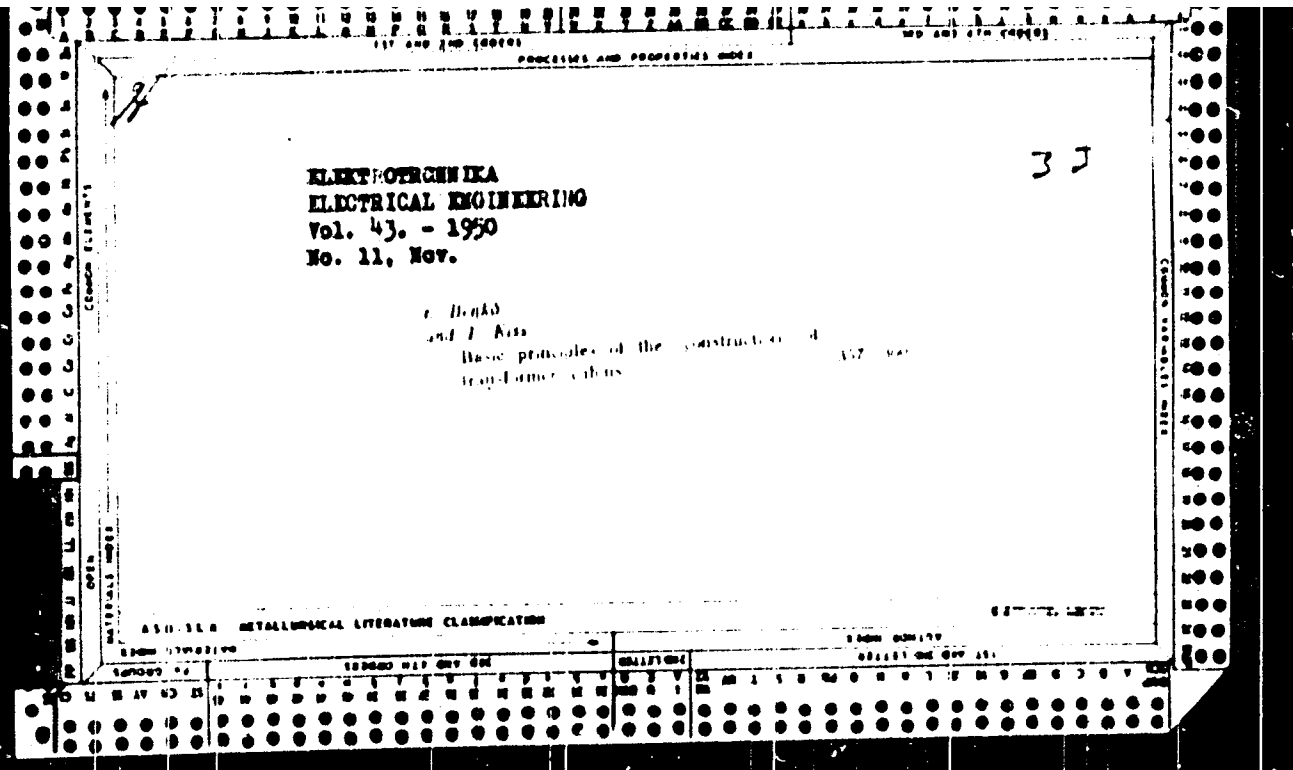
OKOS, Gizela, dr.; BARSY, Gyula, dr.; MAGOS, László, dr. HENKÓ, Deneke;  
KOVACS, György, dr.

Arterial changes accompanying trauma. II. The frequency of the  
condition and capillary microscopic studies among steel-cast workers.  
Orv. hetil. 95 no.48:1317-1321 28 Nov 54.

1. Az Istvan Korhaz I. Belosztalyanak (focrvos: Bugar-Meszaros Karoly  
dr.) es az Orszagos Munkaegeszsegugyi Intezetenek (igazgato: Timar  
Miklos dr.) kozlemenye.

(RAYNAUD'S DISEASE  
occup.)

(OCCUPATIONAL DISEASES  
Raynaud's dis.)



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BENKO, F.

FOLDTANI KOZLONY. BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY. (Magyar  
Foldtani Tarsulat) Budapest.

Organization of Soviet geology. p. 359

Vol. 88, No. 3, July/Sept. 1958

Monthly List of East European Accessions (EFAI), LC, Vol. 8, No. 3, March 1959  
Unclass.

BIENKO, Ferenc  
www.ferencbienko.com

The increasing role of geological research in the raw material  
prospecting. Foldt kozl 93 no.1:120-124 Ja-Mr '63.

BENRO, Robert, Jr

Information on the detection of... in connection with the research in  
the field of... 13-236... '64



BENKO, F.

"Shaping light metals." (p.198) KOHASZATI LAPOK (Magyar Bányászati és Kohászati Egyesület) Budapest. Vol 4, no. 9, Sept. 1952.

SO: EAST European Accessions List, Vol. 3, No 8, Aug. 1954.

HENKO, Ferenc

Chromatography. Gyogyaszerei 9 no.7:125-127: contd. 1 July 54.  
(CHROMATOGRAPHY)

BENKO, János

Chromatography. Gyogyaszerek 9 no.8:145-147; concl. 1 Aug 54.  
(CHROMATOGRAPHY  
paper)

*Benko*

YUGOSLAVIA/Chemical Technology. Cellulose and its Derivatives. H

Abs Jour: Ref. Zhur-Khimiya, No 12, 1958, 41916.

Author : Benko.

Inst : Not given.

Title : Cloth in a Paper-Making Machine.

Orig Pub: Tekstil, 1957, 6, No 6, 509-523.

Abstract: The requirements set on cloth (C), the importance of C in paper industry, and the production process of C, starting with waving, are described. The utilization, maintenance, wear and tear of C are discussed, as well as the replacement of wool by some other filament, particularly nylon, the addition of 15-25% of it to the wrap increasing the durability of C for 40-60%.

Card : 1/1

25

BENKO, Ferenc, egyetemi docens, tanárkvezeto

Teaching geology in Hungary and at our university. Borsod  
szemle 7 no.3:15-23 '63.

MAGY, Endre, dr.; BENKO, Gabor, dr.

Course of the development of resistance in common pathogenic bacterial genera as shown by our clinical test material. Orv. hetil. 101 no.24:840-841 12 Je '60.

1. Szegedi Orvostudományi Egyetem, Mikrobiológiai Intézet.  
(ANTIBIOTICS pharmacol.)  
(BACTERIA pharmacol.)

CEMOS, Pal, dr.; DEUTSCH, Bela, dr.; BENKO, Gabor, dr.; NYIRI, Istvan, dr.

Thrombotic thrombocytopenic purpura (thrombotic microangiopathy).  
Orv. hetil. 103 no.16:744-'748 22 Ap '62.

1. Hodmezovasarhelyi Korhaz.

(PURPURA THROMBOGENIC in adolescence)

LIBRARY

Andri. G., M.D., Director, Dept. of the City Clinical Hospital  
of the City of Budapest, Budapest, Hungary, personally.

"Polycystic Kidney of extraordinary size."

Acta Med. Hungarica, Vol. 104, No. 2, 1965, p. 74-

Abstract (author's Hungarian summary). In a woman who died  
of a lesion of a cerebral infarct at the age of 51, poly-  
cystic kidneys were found having a combined weight of  
1,100 g. Polycystic kidneys of such size have not yet been  
described in the literature. One of 5 relatives is Hunga-  
rian, the others Austrian.



HUNGARY

7

WINTER, Miklos, Dr., BENKO, Gabor, Dr., SZENIKLARI, Eva, Dr.; Hospital of the City Council of Hodmezovasarhely, Department of Internal Medicine and Autopsy Room (Hodmezovasarhelyi Varosi Tabacs Korhaz, Belgyogyaszati Osztaly es Prosectura).

"Sheehan Syndrome (Post Partum Necrosis)."

Budapest, Orvosi Hetilap, Vol 103, No 48, 2 Dec 67, pages 2286-2287.

Abstract: [Authors' summary] The authors report on a case of hypopituitary coma caused by post partum pituitary necrosis and pan hypopituitarism. In connection with the case they stress that pathological loss of weight is not always present in pituitary insufficiency. [4 Hungarian references]

BENKO, Gabor, dr.

A. polycystic kidney of unusual size. Orv. hetil. 104 no.2:74-75 13 Ja  
'63.

1. Hodmezovasarhelyi Városi Tanács Kórhaza, Prosectura.  
(KIDNEY, POLYCYSTIC)

BENKO, Gabor, dr.

Cerebellar angioma causing fatal hemorrhage. Orv. Hetil. 195  
no.33:1568-1570 16 Ag '64.

1. Budapesti Orvosi Akadémia, Prospektúra (forvessz  
Gabor dr.).

HUNGARY

BENKO, Gabor, Dr, WINTER, Miklos, Dr; City Council of Hodmezovasarhely, Hospital, Autopsy and Medical Ward (Hodmezovasarhely Varosi Tanacs Karhaza, Prosectura es Belosztaly).

"Multiple, Lymphoid Polyposis of the Intestinal Tract."

Budapest, Orvosi Hetilap, Vol 107, No 17, 24 Apr 66, pages 795-796.

Abstract: [Authors' Hungarian summary] The clinical data of a female patient are described who suffered from a malignant lymphoma for two years. At autopsy, multiple lymphoid polyposis of the small intestines was discovered. The change is considered to be a part of the features of lymphoma, at a rare localization. A stand is taken against the treatment of similar cases as a disease of independent character, as done in the literature. All 4 references are Western.

1/1



HENKO, Gyorgy, dr.; SZAKACS, Dezso, dr.

Early diagnosis of gastric hemorrhage. Orv. hetil. 96 no.37:  
1024-1028 11 Sept 55.

1. A Pecszi Orvostudományi Egyetem I. sz. Belklinikájának (igazgató:  
Argyan János dr. egyet. tanár) közl.  
(STOMACH, hemorrhage,  
diag., early)  
(HEMORRHAGE,  
stomach, diag., early)

BENKO, Gyorgy, Dr.

Roentgenogram of the circular forms of sharp-contoured ulcerous gastric cancer. Magy. radiol. 9 no.4:193-205 Dec 57.

1. A Pecsí Orvostudományi Egyetem I. sz. Belklinikájának (igazgató:  
Angyan János Dr. Egyet. tanár) közleménye.

(STOMACH NEOPLASMS, diag.

x-ray of circular sharp-contoured ulcerous tumors (thin))

BENKO, Gyorgy, Dr.; SZAKACS, Dezso, Dr.

Significance of early gastroscopy in hemorrhages of the upper gastrointestinal system. Orv. hetil. 99 no.25:850-853 22 June 58.

L. A Pecszi Orvostudományi Egyetem I. sz. Belklinikájának (igazgató: Angyán János dr. egyet. tanár) közleménye.

(GASTROINTESTINAL SYSTEM, hemorrh.

early gastroscopy in hemorrh. of upper tract (Hun))

(GASTROSCOPY, in various dis.

hemorrh. of upper gastrointestinal system, significance of early gastroscopy (Hun))



BENKO, Gyorgy, dr.

Lymphogranulomatosis of the stomach. Magyarradiol. 12 no.2:  
71-78 Je '60.

1. A Pécsi Orvostudományi Egyetem I. sz. Belklinikájának  
(igazgató: Angyan, János, dr. egyet. tanár) közleménye.  
(HODGKIN'S DISEASE radiol.)  
(STOMACH NEOPLASMS radiol.)

BENKO, Gyorgy, dr.

Pathological evaluation of gastric ulcer by means of gastroscopy.  
Orv.hetil. 101 no.29:1026-1030 17 J1 '60

1. Pecsı Orvostudományi Egyetem, I. ss Belklinika  
(PEPTIC ULCER diag)  
(GASTROSCOPY)

BENKO, Gyorgy, Jr.; BURGER, Tibor, dr.

Treatment of chronic leukemia by means of Osgood's total-body irradiation. Orv. hetil. 102 no.15:697-701 9 Ap '61.

1. Pécsi Orvostudományi Egyetem, I sz. Belklinika.

(LEUKEMIA radiother)

BENKO, Gyorgy, dr.

On etiology and treatment of pneumonia in newborn infants. Orv. hetil.  
102 no.51:2401-2406 17 D '61.

1. Pecsí Orvostudományi Egyetem, I sz. Belklinika.

(PNEUMONIA in inf & child)  
(INFANT NEWBORN diseases)

BENKO, G.

Dr. Gyula Somogyi. Magyar radiol. 14 no.1:63-64 Ja '62.

(OBITUARIES)

HUNGARY

BENKO, Gyorgy, Dr, BURNER, Tibor, Dr; Medical University of Pecs, I. Medical Clinic (Pecsi Orvostudományi Egyetem, I. sz. Belklinikai (director: BARTA, Imre, Dr, professor).

"Advantageous Combination of Various X-ray Treatment Procedure in Chronic Leukemia."

Budapest, Magyar Radiologia, Vol 17, No 2, Apr 64, pages 86-92.

Abstract: [Authors' English summary modified] X-ray treatment was given to 67 patients suffering from chronic leukemia. Whole body radiation, according to Osceod, in chronic myelosis cases gave unsatisfactory results. The so called optimal state could often be maintained with large doses only and the authors' impression was that it may precipitate the myeloblastic final stage. Whole body irradiation is more useful in the second stage of myelosis since it has an influence on the pathological myeloid hematopoiesis in its entirety. In cases of chronic lymphadenosis, radiation treatment of the whole body is recommended, supplemented with local treatment if necessary. 4 Hungarian, 24 Western references.

11/1

BENKO, Gyorgy; TENYI, Jenó, dr.

The development of the regional relations of the Medical  
School of Pécs, Hungary. *Nepegeszségügy* 44 no.7:197-201  
Jl '63.

1. Közlemény a Pécsi Orvostudományi Egyetemről.  
(MEDICAL SCHOOLS)      (INFANT MORTALITY)  
(INFANT, PREMATURE)      (INDUSTRIAL MEDICINE)  
(RURAL HEALTH)      (HOSPITALS)

HUNGARY

BENKO, Gyorgy, M.D., of the Complex Brigade at the Medical University (Orvostudományi Egyetem Komplexbrigádja) in Pecs.

"Clinical Findings of the Screening Tests on the Workers in the Production Collective in Juras Sellye, Hungary - Introduction"

Budapest, Orvosi Hetilap, Vol 104, No 19, 11 May 1963, p. 1111.

Abstract: Three thousand eight hundred ninety-six workers at the collectives of the Juras Sellye (Mezgye Pecs) were examined by medical officers. The examinations included general medical, surgical, dermatological, dental, and gynecological screening tests. The workers were in the age groups of 19-70 years; both men and women were included. The findings were evaluated statistically and interpreted as to their significance from the clinical and public health points of view. The statistical findings were reported in an anonymous article (Magyar Orvosi Hetilap, Vol 42, 1961, pp. 255 et seq.). One reference to a Hungarian publication.

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HUNGARY

BEKKO, Gyorgy, M.D., BIECR, Zoltan, M.D., BURGER, Tibor, M.D., FABIAN, Imre, M.D., BOROS, Tibor, M.D., CZURKO, Geza, M.D., TOTH, Imre, M.D., PINTER, Andras, Senior Medical Student, and SARDI, Ferenc, Senior Medical Student, of the Complex Brigade at the Medical University (Orvostudományi Egyetem Komplexbrigádja) in Pecs. (Director: BEKKO, Gyorgy, M.D.).

"Clinical Findings of the Screening Tests on the Workers in the Production Collectives in Jaras Sellye - Internal Medicine and Surgical"

Budapest, Orvosi Hetilap, Vol 104, No 19, 12 May 1965, pp. 863-872.

Abstract: The incidence and distribution of various internal and surgical diseases was described. Goiters, ulcers, hernia, hypertonia, sclerosis of the arteries, pulmonary emphysema, and motor disturbances were discussed in more detail. Seven references, including 3 Hungarian and 4 Western.

11/1

HENKO, Gyorgy, Dr.

Dr. Bela Szasz. Magy. radiol. 15 no.1:64 Ja '63.  
(OBITUARIES)

SIMON, S., prof., dr., Kandidat der technischen Wissenschaften; PSMKO.  
Gy. (Mrs).

Sulphur oxidation during the blowing of iron with oxygen.  
Acta techn Hung 44 no.3/4:347-363 '63.

I. Technische Universität für die Schwerindustrie, Lehrstuhl  
für Eisenhüttenwesen, Miskolc.

BENKO, Gyorgy, Jr.

Data to the differential diagnosis of gastric ulcer and  
ulcerative gastric. Orv. hetil. 105 no.47:2209-2214 22 N '64.

1. Pecsí Orvostudományi Egyetem, Röntgenklinika (főorvos:  
Benko Gyorgy dr.).



DANN, L.

58

Spectrographic determination of germanium in coal. Q. Sheng-shi, J. Hsiao and L. Hsiao (Research Inst. Heavy Chem. Ind., [unclear], [unclear] Chin. Acad. Sci. Hang. 8, 341-34 (1968) (in English)).—The known gravimetric and titrimetric data for Ge are cumbersome and often unreliable. Photometric methods are very sensitive, but the results do not always represent the whole amt. of Ge present in a coal sample. A spectrographic method was developed suitable to det. Ge contents from 0.01 to 0.001% in coal ashes without using complex methods. The quartz spectrograph used and all accessories, like plates, developer, and samples for standardization, are described. The coal sample (1 g.) was placed in a porcelain dish and ashed in an electric furnace at 800°. If the temp. was raised during ashing to 900° a small amt. of Ge was observed. For the spectrographic detn. of Ge in the approx. amt. of 0.001% only the most intensive lines can be used. Sn was selected as internal standard. The Ge line 3022 Å. was chosen for measurements owing to its intensity and proximity to the Sn line 3022 Å. The substance element, Sn, added in the form of SnO<sub>2</sub> (0.1%), proved very reliable as the rate of vaporization of Ge and SnO<sub>2</sub> are similar. Other internal standards like Ce, Ba, and In were tested but none could replace Sn. The following working conditions were employed: d.c. arc excitation at 15 amp., diam. of C electrode 3 mm., diam. of bore 4 mm., depth of bore 1 cm., sample wt. about 10 mg., exposure time 0.1 sec. Data on mixts. contg. known amts. of Ge added as GeO<sub>2</sub>, Ge<sub>2</sub>S<sub>3</sub>, or Mg<sub>2</sub>GeO<sub>4</sub> showed consistency and an av. error not exceeding 5%. Evaluations were carried out on the basis of the ratio of intensity values Ge 3022/Sn 3022 Å. Working curves for concns. up to 1.0025, 0.001 and 0.0001% Ge were obtained.

2

*Chen*

Ernst M. Goldstein

BENKO, Imre, tudományos munkatárs

Breaking small inductive currents. Elektrotechnika 5: no.2/3:  
98-103 '60.

1. Villamos Energetikai Kutató Intézet; EROTERV osztályveze-  
teje.

BENKO, ISTVAN

HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14227

Author : Benko Istvan, Szadeczky-Karlóss Geza

Inst :  
Title : Spectral Determination of Traces of Elements in Coal Ash.

Orig Pub: Magyar kem. folyóirat, 1957, 63, No 2-3, 78-84.

Abstract: A spectral method has been developed for semi-quantitative determination of traces of Ag, Be, Ba, Cd, Co, Cr, Cu, Ga, Ge, In, Mn, Mo, Ni, Pb, Sr, Ti, V, W, Zr, in ash. Determination of all the elements is made from a single spectrogram, photographed alongside with spectra of standards in an ISP-22 quartz spectrograph. The samples are placed in carbon electrodes. For the purpose of attaining greater sensitivity use was made of the method of cathode layer (Mankopf R., Cl. Peters, Z. Phys., 1931, 70, 444). For series analyses this

Card : 1/2



BENKO, Istvan; UJHIDYNE FARKAS, Klara

Spectrum analysis of solutions with the aid of a rotary graphite disk.  
I. Magyar folyoir 66 no.12:501-503 D '60.

1. Veszprem Vegyipari Egyetem Analitikai Kemiai Tanszeke.

KULCS/R, Miklos; BETKO, Istvan

Investigations in determining boron by means of spectrum analysis.  
Magy kem folyoir 66 no.12:508-510 D '60.

1. Nehezvegyipari Kutato Intezet, Veszprem.

BENKO, Imre, egyetemi tanársegéd

Review of articles published in "Promyshlennaya energetika",  
nos.1-12, 1962, nos.1-7, 1963. Ipari energia 5 no.2:40-47  
F '64.

1. Chair of Power Economy, Budapest Technical University.

BENKO, Imre, egyetemi tanársegéd

New aspects of introducing the international measuring systems  
in heat engineering. *Energia és atom* 17 no.11:489-500 N '64.

1. Chair of Power Economy, Budapest Technical University.

BENKO, Imre, egyetemi tanársegéd

New aspects of the introduction of the international measurement system in heat engineering. Pt.2. Energia es atom 17 no.12:537-545 D '64.

1. Chair of Power Economy of the Budapest Technical University.

BENKO, I.

Vocational training for atomic technicians, p. 6, MUSZAKI ÉLET  
(Műszaki és Természettudományos Egyesületek Szövetsége) Budapest,  
Vol. 11, No. 13, July 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 11, November 1956

BENKO, I.

First at mic reactor in Czechoslovakia, p. 8, MUSZAKAI FOLY (Muszaki és Természettudományos Egyesületek Szövetsége) Budapest, Vol. 11, No. 13, July 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

BENKO, Istvan

Spectrographic determination of bauxite trace elements. Veszpremi  
vegyp. egy. kozl. 4 no. 2:133-139 '60

1. Veszpremi Vegyipari Egyetem Analitikai Kemiai Tanszek.



BENKO, Istvan; KULCSAR, Miklos

Study on the determination of arsenic by spectrum analysis.  
Magy kem folyoir 65 no. 12:460-463 '59.

1. Nehézvegyipari Kutató Intézet, Veszprém.

BENKO, Istvan; UJHIDYNE FARKAS, Klara

Examination of spectrum analysis of solutions using rotary  
graphite disc. Pt.2. Magy kem folyoir 70 no.12:526-530  
D '64.

1. Chair of Radiochemistry of the Central Industry University,  
Veszprem.

BENKO, J.

Yugoslavia (430)

Technology

New apparatus for preparing milk in the  
municipal "mleko" at Ljubljana. p. 230,  
Nova Proizvodnja, Vol. 2, no. 2/4, August 1951.

East European Accessions List, Library of Congress  
Vol. 2, No. 3, March 1953. UNCLASSIFIED

SENKO, J.

"Some organizational experiences in starting the Machine Factory of the Stalin Ironworks." p. 17. (USSRRELIES, Vol. 4, no. 6, June 1952. Subject.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.

BENKÓ, J.

5

7. Relationship between the physical constants of materials. J. Benkó. *Magyar Kémiai Folyóirat*, Vol. 61, 1938, No. 9, pp. 235-263, 2 tabs.

chem

The periodic system is based upon the periodic relationship of the properties of the elements and their atomic weights and atomic numbers. This periodicity is particularly manifest in some series of the elements e.g. halogens, elements of the sulphur group, noble gases as their densities, boiling points, melting points, etc. increase with their atomic weight. Similar phenomena were observed in several series of inorganic and organic compounds where the physical constants change proportionally with their molecular weight. The following equation represents the relations between molecular weight ( $M$ ), the number of atoms in the molecule ( $n$ ), the boiling point of the compound in degrees Kelvin

( $F$ ), the density ( $d$ ) and critical pressure ( $p$ ):  $\frac{F}{d} \sqrt{\frac{M}{n}} = \text{constant}$

$\text{constant} = 1000$  (1) and  $\frac{F}{p \sqrt{M/n}} = \text{constant} = 0.25$  (2)

By the simplification of these equations another formula of general validity was obtained:  $pV = \text{constant} = 1000$  indicating a simple relation between the critical pressure and molecular volume ( $V$ ). A similar equation may be deduced for the melting points. If the  $\frac{M}{n}$  ratio denotes

mean atomic weight ( $S$ ) and the  $\frac{S}{d}$  ratio denotes the atomic volume ( $T$ ) the following equation is obtained:

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*Penck, J.*

from equation 1 by inserting these expressions,  $\frac{1}{T} \frac{dT}{dt}$

As constant  $\approx 1/200$ . These relations show that the temperature coefficients may be regarded as characteristic values determined by the atomic structure and molecular attractive forces.

PM 25/11

BENKO, Jeno (Budapest)

New correlations among the physical constants of organic compounds. Acta chimica Hung. 21 no.4:351-361 '59. (EKA1 9:6)

1. Vorgelegt von S.Muller.  
(Organic compounds)

BENKO, J.; CAJKOVA, E.

Rare staphylococcal diseases of the nervous system in children.  
(Disseminated cerebral abscesses and a subdural abscess). Cesk.  
pediat. 15 no.1:17-24 Ja '60.

1. II. detska klinika lek.fak. UK v Bratislave, prednosta doc.  
MUDr. J. Michalickova.

(BRAIN ABSCESS in inf.& child.)

(STAPHYLOCOCCAL INFECTIONS in inf.& child.)



PANKO, Jeno (Budapest, V. Mikotany u.21)

Empirical correlations between the atomic structure and  
some physical constants of the elements. *Acta physica*  
Hung 41 no.41401-412 '64.

NOVAK, A.; DENKO, J.; MAREKČIA, A.; VASKEBOVA, I.

Approach of diseases simulating infectious infantile paralysis.  
Bratisl. Lek. listy 64 no.3:139-141 1969.

1. Katedra pediatrie II Lek. fak. Univ. Komenského v Bratislave  
(veduca prof. MUDr. J. Michalisková); Ústava LFŠK na úseku pediatrie  
2 polikliniky s postelovou jednotkou MUDr. Bratislava (veduca MUDr.  
M. Vaskebova) a Krajská športná - rehabilitačná stanica v  
Bratislave (riaditeľ MUDr. F. Denko).

GABROVA, M.; LINDY, J.; VADIA, J.; LINDY, J.

Neurophysiologic relaxation-relaxation apparatus. W. 1984  
44 no.3:18-193 10 fig 100.

1. Katedra pediatrie II lek. fak. Univ. Jozefína v Bratislave  
(veduca prof. MUDr. J. Michaliskova .

EENKO, Jozsef

Basic principles of financial incentive. Elem ipar 13 no.12:  
385-392 D '59.

1. Elelmezesugyi Miniszterium.

HEKKA, Jono (Budapest, V., Alkotmány u. 21)

Calculation of physical constants of compounds on the ground  
of the mass and atomic numbers of their atoms. Acta chimica  
Hung 35 no.4:447-463 '63.

BENK, Jeno (Budapest V., Alkotmány u.21)

Specific gravity as a function of nucleon number. Acta chimica Hung  
29 no.2:149-156 '61.

(Specific gravity)      (Nucleons)

PEKAROVIC, E.; BENKO, J.

Congenital spinal cord tumors and dystrophia. Rozh.chir.42  
no.12:871-875 D'63.

I. Klinika chirurgie detskeho veku Lekarskej fakulty UK v  
Bratislave (prednosta: prof. dr. M.Kratochvil, DrSc.) a  
II. detska klinika Lekarskej fakulty UK v Bratislave (pred-  
nostka prof.dr.J.Michalickova).

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BEKÓ, József

Theoretical aspects of applying incentive awards. Elemi ipar  
13 no.12:385-392 D '59.

1. Elelmezesugyi Miniszterium.



BENKO, J. zsef, dr.

Why is the weight of airmail letters limited? Musz. élet  
20 no.8:6 22 Ap '65.

1. Division Head, Department No.4 of Postal Affairs of the  
Ministry of Transportation and Postal Affairs, Budapest.

KOLAR, O.; DENCKER, S.J.; BENKO, J.; KADLEC, A.; Neurological Clinic Med. Fac. Palacky Univ. (Neurol. Klin. Lek. Fak. PU), Olomouc, Head (Prednosta) Prof Dr J. HRBEK; Neurol. Clin. Med. Fac. Lund Univ., Head Prof Dr R. MULLER /Orig. version not given/; Neurol. Dept. Pediatric Hospital (Neurol. Odd. Detske Fak. Nemocnice), Bratislava, Head (Vedouci) Dr J. BENKO; Microbiological Inst. Med. Fac. Palacky Univ. (Mikrobiol. Ustav Lek. Fak. PU), Olomouc, Head (Prednosta) Docent Dr E. MARSALEK.

"Problems of Immunologically Active Proteins in the Cerebrospinal Fluid in Patients with Subacute Encephalitis Dawson-Pette-Dering-Van Bogaert."

Prague, Ceskoslovenska Neurologie, Vol 29, No 4, Jul 66, pp 280-285

Abstract [Authors' English summary modified]: The active fraction is obtained from the 7S fraction of gamma globulins. Gamma-1-M-globulin is not increased. Administration of antigen from the brain of a patient dead from the disease resulted in correlation of the complement-fixing antibodies with increase in the gamma globulin fraction. These antibodies are specific for this disease. In subacute cases serum immunoglobulins should be examined. 3 Figures, 3 Tables, 7 Western, 11 Czech references. (Ms. rec. 6 Jul 64).

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BRING, E.; TOTT, L.

The oscillation time of the pendulum which is determined by the acceleration of gravity.

I. O' (FEDERAL BUREAU) Budapest. Vol. 7, No. 2/3, Apr./June 1957.

A: Monthly Index of East European Accessions (MIEA) Vol. 6, No. 11 November 1957.

BENKO, K.

SCIENCE

PERIODICALS.: ~~AGRI ZOOLOGIA. Vol. 8, No. 3, March 1958~~  
FIZIKAI SZEMLE Vol. 8, No. 3, March 1958

Benko, K. Movement of sphere suspended on clock spring if it starts with a fall. p. 91

Monthly list of East European accessions (EEA1) LC, Vol. 8, No. 2  
February 1959, Unclass.

73-30-100-1  
SZILAGYI, T.; BENKO, K.; CSERNYANSZKY, H.

Study of electric impulses in hypothermia during largactil or luminal treatment. Acta physiol. hung. 14 no.1:89-93 1958.

1. Pathophysiologisches und Physikalisches Institut der Medizinischen Universität, Debrecen.

(HYPOTHERMIA, exper.

protective eff. against lethal electric impulses in mice (Ger))

(CHLORPROMAZINE, eff.

protection against lethal electric impulses in mice (Ger))

(PHENOBARBITAL, eff.

same)

(ELECTRICITY, inj. eff.

protection against lethal electric impulses by hypothermia, chlorpromazine & phenobarbital in mice (Ger))

EENKO, Karoly; TOTH, Lajos

Dependence of the period of oscillation of the pendulum on  
the gravitational acceleration. Fiz szemle 7 no.2/3:78-81  
Ap-Je '57.

1. Debreceni Orvosi Fizikai Intezet.

TOTE, Lajos, dr.; BEMKO, Károly

Oscillatory motion of a sphere suspended on a spiral spring provided that its motion starts with falling. Fiz szemle 8 no.3:91-93 Ké 158.

L. Orvosi Fizikai Intézet, Debrecen.

*Handwritten:* BENKO, Karoly  
VOROSMARTHY, Daniel, BENKO, Karoly

Physical & biological bases of solar coagulation. Szemeszet 95 no.1:  
1-5 Mar 58.

1. A Debreceni Orvostudományi Egyetem Szemklinika-jának (Igazgató:  
Kettesy Aladar egyetemi tanár, az orvostudományok doktora) és az  
Orvosi Fizikai Intézetnek (Igazgató: Toth Lajos egyetemi tanár, az  
orvostudományok doktora) közleménye.

(EYE, surg.

solar coagulation for bloodless intraocular operations,  
biol. & phys. bases (Hun))

(SUNLIGHT

same)



BENKO K

VOROSMARTHY Daniel, BENKO, Karoly

Solar cautery. Szemészet 95 no.1:5-7 Mar 58.

1. A Debreceni Orvostudományi Egyetem Szemklinikájának (Igazgató:  
Kettesy Aladar egyet. tanár) és az Orvosi Fizikai Intézetnek (Igazgató:  
Tóth Lajos egyetemi tanár, az orvostudományok doktora) közleménye.

(EYE, surg.

solar cautery (Hun))

(SUNLIGHT

solar cautery of eye (Hun))

HAGY, Zoltan; BENKO, Karoly; SAMSONI, Zoltan

Optical and electronmicroscopical investigation of metal films prepared by means of vacuum vaporization. Magy fiz folyoir 10 no.5:339-345 '62.

1. Debreceni Orvostudományi Egyetem Központi Kutató Laboratóriuma és a Magyar Tudományos Akadémia Atommag Kutató Intézete, Debrecen.

HUNGARY

KOVÉR, Andras, SZABÓCS, Marton, BENEK, Karoly; Institute of Physiology and Central Laboratory, Medical University, Debrecen (Orvostudományi Egyetem Elektromi Intezete és Kocsonyi Laboratoriuma, Debrecen).

"Studies on the Physicochemical and Enzymochemical Properties of Structural Proteins Extracted From Fish Muscle. I. Lability, Enzymochemical and Structural Properties of Fish Myosin."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIII, No 3, 1969, pages 229-237.

Abstract: [English article; Authors' English summary] Using the methods described for the preparation of rabbit myosin, a preparation with a high sedimentation rate was made from the skeletal muscle of *Amiurus nebulosus*. The fish myosin preparation has a cholinesterase activity of 3.5 mg Ach/ mg protein/hour and an adenosine triphosphatase activity of 0.4 mg P/mg protein/hour. In response to ATP,  $Mg^{++}$  and p-CMB the relative viscosity of the fish myosin preparation decreased markedly. During short trypsin digestion, the myosin is decomposed into L-mero-myosin-like components having a low sedimentation coefficient. In the

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HUNGARY

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol  
XXIII, No 3, 1963, pages 229-237.

course of ultracentrifugal analysis, a small amount of fast-settling aggregate can be observed only during the first ten minutes. The fraction which is precipitated at low ionic strength shows both adenosine triphosphatase and cholinesterase activity. The myosin prepared from *Amlurus nebulosus* is thought to have a molecular structure different from that of rabbit myosin. 6 Hungarian, 14 Western references.

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