

HEMOSIDEROSIS, HUNG  
STEINER, Bela, dr.; BACKHAUSZ, Richard, dr.

Serological examinations in essential pulmonary hemosiderosis.  
Gyermekgyógyászat 8 no.3-4:86-92 Mar-Apr 57.

1. Orvostovábbképző Intézet (igazgató: Doleschall, Frigyes, dr.)  
Gyermekosztálynak és a Humán Oltoanyagtermelő és Kutató Intézet  
(igazgató: Veres, Gabor, dr. közleménye.

(HEMOSIDEROSIS, immunol.

pulm., essential, serol. examinations (Hun))

(LUNG DISEASES, immunol.

hemosiderosis, essential, serol. examinations (Hun))

EXCERPTA MEDICA Sec 4 Vol 13/6 Med. Micro. June 60

2173. NEW METHODS OF PASSIVE HAEMAGGLUTINATION FOR THE DETERMINATION OF DIPHTHERIA ANTITOXINS AND ANATOXINS - Nouvelle méthode d'hémagglutination passive pour le dosage des antitoxines et des anatoxines diphtériques - Backhausz R., Veres G. and Veto I. Inst. Sérothérap. et Vaccinal de l'Etat 'Human', Budapest - ARCH. BELGES MED. SOC. 1959, 17/6 (447-475) Graphs 4 Tables 7

Diphtheria anatoxin is capable of fixing to the surface of human erythrocytes, altered enzymatically by papain, trypsin or crystallase and these red blood cells afterwards become specifically agglutinable by diphtheria antitoxins. The logarithms of titres thus obtained are directly proportional to the logarithms of antitoxic titres. It was observed that this haemagglutination is inhibited, according to the law of multiple proportions, by anatoxin.

KOROSSY, S., Dr.; DOBIAS, Gy., Dr.; BACKHAUSZ, R., Dr.; GOZONY, M.,

Data on the staphylococcal anatoxin therapy of patients with coccogenous eczema, Orv. hetil. 100 no.4:134-139 25 Jan 59.

1. A Budapesti Istvan Borbosztalyanak (foorvos: Rajka Odon dr.) es a Human Oltoanyagtermelo es Kutato Intezet (igazgato: Veres Gabor dr.) kozlemenye.

(ECZEMA, ther.

Micrococcus pyogenes anatoxin in microbial eczema (Hun))

(MICROCOCCLUS PYOGENES

anatoxin in ther. of microbial eczema (Hun))

BACKHAUSZ, Richard, Dr.

The properdin system. Orv. hetil. 100 no.21:759-764 24 May 59.

1. The Human Oltoanyagtermelo es Kutato Intezet (igazgato: Veres Gabor dr.) kozlemenye.

(PROPERDIN  
properdin system (Hun))

SZAMOSI, J.; OSZTOVICS, Magda; BACKHAUSZ, R.

Hyperglobulinaemic purpura associated with splenomegalic cirrhosis in childhood. Contributions to the pathogenesis of the disease. Acta Paediat Acad Sci Hung 1 no.3:179-188 '60.

1. P. Heim Children's Hospital, and Institute for Serobacteriological Production and Research "Human", Budapest.

(PURPURA in inf & child) (BLOOD PROTEINS in inf & child)  
(LIVER CIRRHOSIS in inf & child) (SPLENOMEGALY in inf & child)

BALAZS, Viktor; HACKHAUSZ, Richard; FROHLICH, Margit; BENKO, Sandor

Immuno-chemical investigation of the serum-protein changes of  
experimental storage reticulosis. Biol orv kozl MTA 11 no.4:441-455  
'60. (EEAI 10:5)

1. Szegedi Orvostudományi Egyetem I. sz. Belgyógyászati Klinikája  
és a Human Oltoanyagtermelő és Kutató Intézet, Budapest.

(RETICULOSIS)  
(SERUM PROTEIN)  
(IMMUNOCHEMISTRY)

SZUTRELY, Gy.; OSZTOVICS, Madelaine; BACKHAUSZ, R.

Immunological research on infants with cyanosis. Acta Paediat Acad  
Sci Hung 2 no.1:21-25 '61.

1. Service de Pediatrie de l'Institut National de cardiologie,  
laboratoire de l'hopital "Heim Pal", et Institut Serotherapie et  
Vaccinal "Human".

(HEART DEFECTS CONGENITAL immunol)  
(GAMMA GLOBULIN in inf & child)

BACKHAUSZ, R.; WOHLMUTH, Gertrude; KISS, P.

The significance of maternal-foetal blood group incompatibility in premature infants. Acta Paediat Acad Sci Hung 2 no.1:85-94 '61.

1. Institute for Vaccine Production and Research "Human", and Schopf-Merei Hospital for Premature Infants, Budapest.

(INFANT PREMATURE blood) (BLOOD GROUPS)  
(ERYTHROBLASTOSIS FETALIS etiol)



BACKHAUSZ Richard, dr.; WOHLMUTH, Gertrud, dr.; KISS, Peter, dr.

The significance of blood group incompatibility of mother and fetus in premature infants. Gyermekgyógyászat 12 no. 5:128-138 My '61.

1. A Human Oltoanyagtermelo es Jutato Intezet(Igazgato: Veres Gabor dr.)es a Budapesti Varosi Tanacs VB. Schopf-Merei Agoston Korhaz(Igazgato: Gergely Karoly dr.) Salgotarjani utcai osztalya (Foorvos: Wohlmuth Gertrud dr.)kozlemeny.

(BLOOD GROUPS) INFANT PREMATURE blood)

DOBIAS, Gyorgy, dr.; SZECSEY, Gyorgy, dr.; BACKHAUSZ, Richard, dr.

Latex agglutination test in liver diseases. Orv. hetil. 102 no.43:  
2034-2037 22 0 '61.

1. Fovarosi IV ker. Tanacs Korhaza, Laboratorium es Human Oltoanyagter-  
melo es Kutato Intezet.

(LIVER DISEASES diag) (AGGLUTINATION)

KOROSSY, S., dr.; GOZONY, M., dr.; BACKHAUSZ, R., dr.; DOBIAS, Gy., dr.

Allergological and immunological examination with staphylococcal anatoxin of eczema patients. *Borgyogy. vener. szemle* 38 no.4: 154-167 Ag '62.

1. A Fov. Istvan korhaz Borosztalya (Foorvos: Rajka Odon dr.), Human Oltoanyagtermele es Kutato Intezet (Igazgato: Veres Gabor dr.) es Budapest IV. ker. Varosi korhaz (Igazgato: Darvas Gyorgy dr.) kozlemenye.

(STAPHYLOCOCCUS) (TOXINS AND ANTITOXINS)  
(ECZEMA immunol.)

POLAND-HUNGARY

BACKHAUSZ, Richard, "Human" Research Institute and Vaccine Manufacturing Plant in Budapest (Hungary) [Original version not given] [Translated by SYMONOWICZ, Norbert, Dr. med. (Affiliation not given)]

"Serological Diagnosis of Immunopathies (Immunoglobulin Disproteinemias)."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13 May 63, pp 701-706.

Abstract: [Author's English summary modified] Disorders of the immunoglobulins (gamma, beta<sub>2A</sub>, and beta<sub>2M</sub>-globulins) synthesis system (ISS) can be due to a) its inhibition (deficiency of antibodies), b) its production of pathological proteins (in multiple myeloma and macroglobulins), and c) occurrence of atypical immunoglobulins (autoantibodies). The functional state of the ISS can be evaluated only by simultaneous antigenic and immunological property determinations, and diagnosis of the immunopathies of type a) and b) -- by simultaneous quantitative immunodiffusion and microdetermination of antibodies with electro- and immunophoresis. [The 42 references contain about 10 in Hungarian, 3 in German, and the rest are to Western sources.

1/1

BACKHAUSZ, R. 4

HUNGARY

VOLTAY, Bela, Dr, GECK, Peter, Dr, OSVATH, Pal, Dr, BACKHAUSZ, Richard, Dr, LOSONCZY, Gyorgy, Dr, VIGH, Gyula, Dr, BOGNAR, Szilard, Dr; Capital City Council, Laszlo Hospital, National Public Health Institute and Human Vaccine Producing and Research Institute (Fovarosí Tanács, Laszlo Korház, Országos Kozegészségügyi Intézet és Human Oltoanyagtermelő és Kutató Intézet).

"Immune Fluorescence and Passive Hemagglutination Tests in Cases of Enterocolitis in Children."

Budapest, Orvosi Hetilap, Vol 104, No 21, 21 May 63, pages 975-978.

Abstract: [Authors' Hungarian summary modified] The shigella excretion of children with enterocolitis was determined by bacterial cultures of samples taken from the rectum as well as by microscopic examination of fecal smears, stained with fluorescent dyes which combine with the specific immune serum. Both methods gave rapid, and twice as frequent positive results as the usual bacteriological tests. The shigella antibody titer was elevated in the majority of cases where all diagnostic tests were negative. In the authors' opinion all bloody, mucous diarrhea of children should be considered as dysentery regardless of the bacterio-

1/2

HUNGARY

Budapest, Orvosi Hetilap, Vol 104, No 21, 21 May 63, pages 975-978.

logical finding. Children having diarrhea, with only mucus present in the stool, should be screened by the immune fluorescence method. A positive test is indicative, while negative results do not necessarily exclude the presence of dysentery. 2 Eastern European, 15 Western references.

2/2

BACKHAUSZ, R., dr.

The immunoglobulins. Ther. hung. 10 no.3/4:8-13 '62.

1. From the State Serum Institute Human, Budapest.  
(SERUM GLOBULIN)

BACKHAUSZ, Richard

Serological diagnosis of immunopathies. Immuno-globulin dyspro-  
teinemias. Pol. tyg. lek. 18 no.19/20:701-706 6-13 My '63.

1. Z Instytutu Badawczego i Wytworni Szczepionek "Human" w  
Budapeszcie.

(SERUM GLOBULIN) (BLOOD PROTEIN ELECTROPHORESIS)  
(BLOOD PROTEIN DISORDERS) (MULTIPLE MYELOMA)  
(MACROGLOBULINEMIA)



VOLTAY, Bela, dr.; GECK, Peter, dr.; OSVATH, Pal, dr.; BACKHAUSZ, Richard,  
dr.; VIGH, Gyula, dr.; BOGNAR, Szilard, dr.

Immunofluorescence and passive hemagglutination studies in childhood  
enterocolitis. Orv. hetil. 104 no.21:975-978 21 My '63.

1. Fovarosi Tanacs, Laszlo Korhaz, Orszagos Kozegeszsegugyi Intezet  
es Human Oltoanyagtermelo es Kutato Intezet.

(ENTEROCOLITIS, ACUTE)	(HEMAGGLUTINATION INHIBITION TESTS)
(FLUORESCENT DYES)	(FECES) (IMMUNE SERUM) (SHIGELLA)
(DYSENTERY)	

HUNGARY

BACKHAUSZ, Richard, Dr; "Human" Vaccine Producing and Research Institute (Human Oltoanyagtermelo es Kutato Intezet), Budapest.

"Serological Diagnosis of Immunopathies."

Budapest, Orvosi Hetilap, Vol 104, No 34, 25 Aug 1963, pages 1585-1589.

Abstract: [Author's Hungarian summary] "Immunopathy" is defined as the general term for some pathological state of the immune-globulin (gamma-,  $\beta_{2AM}$ - and  $\beta_2$ -globulins) synthesizing system (ISS). The main types are: 1. a sharp decrease of immune-globulin synthesis (conditions of antibody deficiency); 2. the synthesis of pathogenic proteins with immune-globulin antigenicity (myeloma proteins, macroglobulins); and 3. the production of immune-globulins with pathological specificity (auto-antibodies). For the recognition and further characterization of groups 1 and 2, the author recommends that the electrophoretic and immune-electrophoretic tests be supplemented by antibody determinations using quantitative immune-diffusion and micro methods. The functioning of the ISS can be evaluated only by the simultaneous determination of antigenicity and antibody effect of the immune-globulins. 9 Western, 6 Hungarian references.

1/1

KOLATY, Miklos, dr.; BACKHOUSZ, Richard, dr.; SZABO, Lajos, dr.;  
BATORY, Gabriela, dr.; NAGY, Maria, dr.

Isolated beta-2-alpha-globulin deficiency in a case of partial antibody deficiency. Orv. hetil. 105 no.21:989-990  
24 My'64

1. Szegedi Orvostudományi Egyetem, Gyermekklinika és Human  
Ótanyagtermelő és Kutató Intézet.

\*

L 13426-66 EWA(j)/T/EWA(b)-2 JK

ACC NR: AP6006891

SOURCE CODE: HU/0036/65/072/002/0129/0132

AUTHOR: Backhausz, Richard--Bakkhaus, R. (Candidate of medical sciences, Department head)

ORG: 'Human' Institute of Vaccine Production and Research ('Human' Oltoanyagtermelo es Kutato Intezet)

TITLE: Fourth congress of the Hungarian microbiological society

30  
B

SOURCE: Magyar tudomany, v. 72, no. 2, 1965, 129-132

TOPIC TAGS: biologic conference, microbiology, immunology, chemotherapy, biologic metabolism, bacteriology, virology

ABSTRACT: The article is a brief report on the congress held 30 Sep-3 Oct 64. Some general problems were discussed in plenary sessions. The topics included: the relationship between the cosmos and microbiology; the structure of erythrocytes; immunochemical analysis of endotoxins. Several lectures dealt with chemotherapy; viral chemotherapy was discussed in terms of antimetabolites, interferon and antibiotics; bacterial chemotherapy included the treatment of mycobacterial infections. A symposium on Enterobacteriaceae included a report on immunity in enteral infections, and several short lectures on individual aspects of the same problem. Lectures were also presented in immunology, virology, molecular biology, technical microbiology and others. The names of the authors and a very brief mention of the lectures are given. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1

BACKIEL, T.

"Some Fishing Problems in the Great Program of River Construction in Poland." P. 1, (GOSPODARKA RYBNA, Vol. 5, No. 12, Dec. 1953. Warszawa, Poland.)

SO: Monthly List of East European Acquisitions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

BACKIEL, T.

Fisheries at the All-Union Agricultural Exhibition in Moscow.  
p. 5.

GOSPODARKA RYBNA, Vol. 7, no. 12, Dec. 1955.

POLAND

SOURCE: EAST EUROPEAN ACCESSIONS LIST LC Vol. 5, no. 7, 1956. August.

PACKIEL, T., Zawisza, J.

Principles of economic management of fishponds in the light of the research  
by the Institute of Inland Fisheries. n. 403.  
(POLSKIE ARCHIWUM HYDROBIOLOGII. Vol. 3, 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (ERAL) IS. Vol. 6, no. 12, Dec. 1957.  
Uncl.

BACKIEL, Tadeusz, doc. dr

Determination of time of annulus formation on fish scales.  
Acta hydrobiol 4 no.3/4:393-411 '62.

1. Zakład Gospodarki Rzecznej, Instytut Rybactwa Środladowego,  
Warszawa, ul. Rakowiecka 3.



BACKIEL, Tadeusz

Fish populations in the Drweca River system. Rocznik nauki rolniczej i zootechnicznej 84 no.2:193-214 '64.

Growth and tentative estimation of the mortality of *Aspius aspius* (L) caught in Vistula River. Ibid.:215-239

Tag detachment in *Vimba vimba* L. Ibid.:241-253

Food and temperature coefficients in the production of carp. Ibid.:363-372

1. Laboratory of River Farming of the Institute of Inland Water Fisheries, Warsaw.

BAKOVSKY, J.

Regularities in the Röntgen spectra of the light elements  
J. BAKOVSKY (Czech Acad. Sci., Prague)  
The straight line representing Mosler's law  
has been evaluated from the  
wave lengths corresponding to the highest intensity of the  
lines and from the straight line  
representing the intensity of the components  
of the spectrum.

BACKOVSKY, J.

Photovoltaic effect caused by  $\gamma$ -rays at  $p-n$  junctions in germanium. Backovsky, J. M. *IEEE Trans. Electron Devices*, 1964, ED-11, 4, 404-408.

The photovoltaic effect was investigated in germanium  $p-n$  junctions. The short-circuit current was found to increase with the intensity of the incident radiation. The open-circuit voltage was found to increase with the intensity of the incident radiation. The effect was found to be independent of the temperature of the junction.

Other experiments of a beam of  $\gamma$ -rays passing the beam through black paper or Al foil, that the observed phenomenon was not thermo-electric in nature. It was assumed that the efficiency of electron-hole pair production by  $\gamma$ -rays was unity. Preliminary experiments with  $\gamma$ -radiation to investigate radiation damage in Ge were carried out. Irradiation of a  $p-n$  junction with a reverse d-c bias applied yielded currents of the order of  $10^4$  times those observed without a bias. This change increased with increasing x-ray tube current and voltage and also with increasing bias voltage. Because the rise and fall of currents under these conditions took tens of seconds, it was assumed that processes with large time constants amplified the primary current. It was concluded that the phenomenon was a photoconductive effect.



BACROVSKY, J.

"X-Ray Emission and Absorption Spectra of Carbon." p. 270,  
(CESKOSLOVENSKY CASOPIS PRO FYSIKU, Vol. 4, No. 3, June 1954, Praha, Czechoslovakia)

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

Czechoslovakia/Optics - X-Rays, K-8

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35904

Author: Backovsky, Jindrich

Institution: Institute of Technical Physics of the Czechoslovak Academy of Sciences, Prague

Title: X-Ray Emission and Absorption Spectra of Carbon

Original

Periodical: Czechoslovak Physics Journal, 1954, 4, No 3, 300-310; German; Russian resumé

Abstract: An interpretation is given for the K emission spectra of carbon in graphite, lampblack, diamond, carborundum, and carbonates, and the absorption K-spectra of carbon in cellulose as obtained from literature data. The bright white spectrum absorption line is interpreted by the author in accordance with the work by E. Ye. Vaynshteyn, R. L. Barinskiy, and K. I. Narbutt (Zh. eksperim. i teor. fiziki, 1952, 23, 593) as a  $1s^2 2s^2 2p^2 \rightarrow 1s 2s^2 2p^2 3p$  transition.

Card 1/3

Czechoslovakia/Optics - X-Rays, K-8

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35904

Abstract: Using the well known optical terms  ${}^4D^0$  of nitrogen in the  $1s^2 2s^2 2p^2 3p$  state (0.205 Ry), and also the proton energy, corresponding to the white absorption line (20.963 Ry), the author calculates the energy of the true absorption edge (21.168 Ry). This quantity determines the value of the K-level term. In the interpretation of the fine structure of the emission spectra, attention was paid to the good agreement between the wavelengths of the fundamental maxima of the  $K\alpha$  bands of carbon in various modifications and its compounds. These bands differ only in the relative intensities of the maxima. Using the optical terms of carbon and the value of the K-level term as determined from the absorption spectrum, the author interprets 3 fundamental maxima of the absorption band as  $1s^2 2s^2 2p^2 \rightarrow 1s^2 2s^2 2p$  transitions, which differ in the configurations of the 2p-electrons:  ${}^3P$  (maximum 44.805 A),  ${}^1D$  (44.596 A), and  ${}^1S$  (44.373 A). Of these, the  ${}^1S$  configuration is encountered more frequently than the others after ionization of the K-level of carbon in diamond, carborundum, and carbonates, while the  ${}^3P$  configuration is encountered in graphite.

Card 2/3

Czechoslovakia/Optics - X-Rays, K-8

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35904

Abstract: The remaining maxima of the emission band of carbon are ascribed  
by the author to satellites.

Card 3/3

BACKOVSKY, J.

Utilization of the results of research in practice. p. 173.  
ZA SOCIALISTICKOU VEDU Z TECHNIKU, Prague, Vol. 4, no. 4, Apr. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,  
June 1956, Uncl.



Бячковский, Ю.

1

Category : CZECHOSLOVAKIA/Optics - X-rays

K-8

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 2577

Author : Backovsky, Jindrich; Drahokoupil, Jiri

Title : Uncharted Lines in the K-Spectrum of Neon

Orig Pub : Ceskosl. casop. fys., 1954, 4, No 5, 614

Abstract : Report of a discovery of new uncharted line in the emission X-ray K spectrum of neon. The lines discovered fit well within the framework of the Moseley law. This fact is evidence that neither the order in which the atoms are arranged in the crystal lattice nor the chemical bonds affect the positions of the uncharted lines, which are "atomic" in character.

Card : 1/1

PACKOVSKY, J.

PACKOVSKY, J. Development of physics in liberated Czechoslovakia; in honor of the tenth anniversary of our May revolution. p. 247.

Vol. 5, no. 3, May 1955  
CESKOSLOVENSKY CASOPIS IRO FYSIKU  
SCIENCE  
Praha, Czechoslovakia

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

BACKOVSKY, J.; SEIDL, R.

Radiometry in geophysics. p. 687

Vol. 5, no. 6, Nov. 1955  
CESKOSLOVENSKY CASOPIS PRO FYSIKU  
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, 1956

BURKOVSKY, J.

101

view of technical applicability and economy as well as from the  
point of view of sensitivity, reproducibility and speed of mea-

~~SOME TRAILS OF CONTACTS OF ROCKS HAVING DIFFERENT ACTIVITY EVEN~~  
ON COVERED FORMATIONS. (7) Water and its motion in the earth  
has a considerable effect on the origin of radioactive anomalies

*BACKOVSKY, J.*

*2*

SEARCHED FOR INDEXED  
SERIALIZED FILED  
MAY 1964  
FBI - NEW YORK

349 735

*7/15/64*  
*amf*

BACAK ZOKY, J.

Method for determining the grid constant, the width of reflected field, and the coefficient of reflection for X rays of monocrystals.  
p. 437

ČESKÉ SLOVENSKÉ ČASOPIS PRO FYZIKU  
VOL. 6, no. 4, July 1956

Czechoslovakia

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 11 Nov. 1956



*Backovsky Jindrich*

CZECHOSLOVAKIA/Solid State Physics - Processes of Crystallization and E-8  
Crystal Morphology

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 5965

Author : Backovsky Jindrich, Bubakova Ruzena  
Inst : Institute of Technical Physics, Czechoslovak Academy of Sciences,  
Prague, Czechoslovakia  
Title : Study of the Mosaic Structure of Crystals

Orig Pub : Ceskosl. casop. fys., 1956, 6, No 6, 647-655; Chekhosl. fiz.  
zh., 1957, 7, No 1, 80-90

Abstract : To study the mosaic structure of crystals, the authors have employed a method, developed by them, of a three-crystal X-ray spectrometer. The use of two calcite crystals as a monochromator has made it possible to obtain a monochromatic beam of X-rays with a wavelength variation  $\Delta\lambda = \pm 0.006 \text{ X}$ . In KCl crystals with a developed macromosaic structure it was possible to obtain resolution of the diffraction effects from the individual blocks. The measured half width of the diffraction effects from individual blocks is in satisfactory agreement with the value computed from the dynamic theory of the ideal crystal.

Card : 1/2

Card : 2/2

BACKOVSKY J.

CZECHOSLOVAKIA/Electricity - Semiconductors

G-3

Abs Jour : Ref Zhur - Fizika, No 2, 1958, No 3744

Author : Backovsky Jindrich, Bubakova Ruzena

Inst : Not Given

Title : Perfection of Germanium Crystals

Orig Pub : Ceskosl. casop. fys., 1957, 7, No 1, 110

Abstract : See Referat Zhur Fizika, 1958, No 1, 1365

Card : 1/1

BACKOVSKY, JINDRICH

CZECHOSLOVAKIA/General Section - Scientific Institutions. Conferences A-4

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 7489

Author : Backovsky Jindrich

Inst : Not Given

Title : Report on the Activity of the Institute of Technical Physics  
of the Czechoslovak Academy of Sciences

Orig Pub : Vest. CSAV, 1957, 66, No 7-8, 344-350

Abstract : No abstract

Card : 1/1

BACROVSKY, Jindrich (Prague)

Physics of hig pressure and its prospects. Pokroky mat fyz str  
10 no.1:20-32 '65.

BACKOVSKY, Jindrich; DUDR, Viktor; HRDY, Jaromir

Method of exact measurement of total reflection of X rays in the medium wavelength region. Cs cas fys 14 no. 1:17-23 '64.

1. Ustav fyziky pevných látek, Československá akademie věd, Praha.

BACKOVSKY, K.

Standardization, a method for the preparation of new fast technological production processes.

P. 25, (Sbirka Vynaezu) Vol. 6, no. 2, Feb, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

EACKOVSKY, K.

"Observance of the rights arising from a patent, a partial tasks in every new solution of a technical problem." p. 7.

VYNALÉZY A NORMALISACE, OCHRANNE ZNAMKY, CHRANENE VZORY. (Urad pro vynalezky a normalisac). Praha, Czechoslovakia, Vol. 3, No. 5, May 1959.

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

BACKOVSKY, Karel, inz. (Prague)

Comparison of new solutions with the standards of world  
technology. Tech praca 16 no. 6:411-414 Je '64.



SKRINIAR, Jan, inz. CSc; BAGO, E,vin, inz.

International welders' conference on light structures in the  
German Democratic Republic. Zvaranie 13 no.3:91-92 Mr'64

1. Welding Research Institute, Bratislava.

STATICESCU, P. ing.; OLTEANU, Gh., dr.; MATEI, A., ing.; MUNTEANU, E.  
ing.; LUTSCH, M., ing.; POPA, I., ing.; RACZ, Z., ing.;  
COSMA, I., ing.; LENGYEL, V., ing.; LUNGU, C., ing.;  
SINGER, M., ing.; CRETU, I., ing.; GRIGORAS, m., ing.;  
CRACIUNESCU, C., ing.; COLIS, I., ing.; BACOS, M., ing.;  
ALEXANDRESCU, T., ing.; BERZOVAN, I., ing.; TOARNICZSKI, E., ing.;  
OCHIANA, S., ing.; MOCANU, E., ing.

Results obtained with different varieties in sugar-beet  
growing. Ind alim 14 no.9:342-348 S'63.

1. Fabrica de zahar Giurgiu (for Matei, Munteanu).
2. Fabrica de zahar Bod (for Lutsch, Popa).
3. Fabrica de zahar Tg. Mures (for Racz, Cosma, Lengyel).
4. Fabrica de zahar Roman (for Lungu, Singer).
5. Fabrica de zahar Bucecea (for Cretu, Grigoras).
6. Fabrica de zahar Oltenia (for Craciunescu, Colis).
7. Fabrica de zahar Banat (for Bacos).
8. Fabrica de zahar Arad (for Alexandrescu, Eszovan).
9. Fabrica de zahar Ludus (for Toarniczski, Ochiana).
10. Fabrica de zahar Sascut (for Mocanu).

L 35284-66

ACC NR: AP6024804

SOURCE CODE: CZ/0049/66/000/003/0210/0212

AUTHOR: Bacova, Maria--Bachova, M. (Graduate chemist; Boleraz); Zelinka, J.--  
Zelinka, Ja. (Docent; Engineer; Candidate of sciences; Boleraz)

26  
B

ORG: Department of the Biochemistry of Microorganisms, Biological Institute, SAV,  
Boleraz (Biologicky ustav SAV, Oddelenie biochemie mikroorganizmov)

TITLE: Composition of amino acids in some kinds of fodder yeast

SOURCE: Biologia, no. 3, 1966, 210-212

TOPIC TAGS: yeast, amino acid, chemical composition, plant chemistry

ABSTRACT: A comparison of the amino acids contained in brewery yeast and in torula yeast prepared by fermentations on various media is presented. Brewery yeast has a higher overall content of amino acids; the highest isoleucine content was found in torula grown on molasses with an addition of residues from alcohol distillation columns. Torula grown on synthetic alcohol contained the highest amounts of lysine; torula grown on sulfite cellulose residues contained the highest amounts of glutamic acid, methionine, and phenylalanine. Orig. art. has: 1 table. [JPRS: 35,814]

SUB CODE: 06 / SUBM DATE: 02Aug65 / ORIG REF: 001 / OTH REF: 002

Card 1/1 *lll*

0915

2640

BACQ, Z.M.

MARTHOVITCH, Peter M.  
Maršić (in cyril); Given Name

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Department of Radiobiology, Institute of Nuclear Sciences  
"Boris Kidrič"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences  
"Boris Kidrič", Vol 11, Mar 1961, pp 199-207.

Data: "The Action of Anterior Pituitary Transplants on the Weight and  
the Function of Adrenal Glands of Hypophysectomized Rats."

Co-authors:

BACQ, Z. M., Department of Radiobiology, Institute of Nuclear Sciences  
"Boris Kidrič",

PAVIO, Dezenka, Department of Radiobiology, Institute of Nuclear  
Sciences "Boris Kidrič",

ŠIMIC-SLADIC, Djurdjina, Department of Radiobiology, Institute of  
Nuclear Sciences "Boris Kidrič".

MARTINOVIC, Petar N.; BACQ, Z.M.; PAVIC, Desanka; SIMIC-SLADIC, Djurdjina

Transplants of lobus anterior hypophyseos and their action  
on the weight and function of adrenal glands in hypophysectomized  
rats. Bul Inst Nucl 11:199-207 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department  
of Radiobiology, Vinca.

BACQ, Z. M., Prof.

Present-day endeavours in toxicology of war gases. Voj. san. pregl., Beogr. 12 no.7-8:349-354 July-Aug 55.

1. Univerzitet u Lijezu.  
(CHEMICAL WARFARE,  
pois. gases, tox. & mechanism of action (Ser))

BACS, Gy.

Spatkoczky, L.; Somogyi, K.; Bacs, Gy. "Timely Problems of the Gravel Mining Industry" p. 376 (Építőanyag, Vol. 5, No. 11, November, 1953, Budapest)

SO: Monthly List of East European Vol. 3, No. 3 1954  
~~Russian~~ Accessions / Library of Congress, March ~~1953~~, Uncl.

BACS, Gyorgy

The 1961 norm adjustment as reflected in statistical figures.  
Stat szemle 40 no.7:690-698 JI '62.

1. Kozponti Statisztikai Hivatal foeladoja.



BACS, Gyula

Years-events; Henry Ford, John Boyd Dunlap. Auto motor 16  
no. 16:9 21 Ag '63.

BACS, Gyula

Valves. Auto motor 17 no.24:12 21 D '64.

COSTIN, N., ing.; GHEORGHE, M., ing.; CONSTANTINESCU, Elena, ing.; POPUMBOIU,  
C., ing.; BACU, I., ing.; TRUPLANSKI, H., ing.

Protection of sounding-board logs and keyboard timber. Ind lemnuui  
14 no.7:269-273 JI '63.

BACS, Laszlo; GYARMATI, Jozsef; MAROTI, Ferenc; SZANTO, Andras; ALMASI, Lajos

Two decades of the heavy chemical industry. Magy kem lap 20 no.4:  
212-217 Ap '65.

1. Chemical Industry Trust, Budapest (for Bacs, Gyarmati, Szanto,  
and Almasi). 2. Budapest Chemical Works (for Maroti).

RACS, Pal, Dr.

Recovery in a case of gunshot wound of the pancreas complicated with multiple abdominal injuries. Orv. hetil. 99 no.8-9:295-296 23 Feb - 2 Mar 58.

1. A Peterfy Sandor-utcai Korhaz-rendeto (mb. igazgato-foorvos: Gyorgy dr.)  
Baleseti Sebészeti Osztalyanak (foorvos: Oberna Ferenc dr.) kozlemenye.  
(PANGREAS, wds. & inj.  
gunshot wound with multiple abdom. inj., recovery after surg.  
(Hun))

BACSA, A.

Chem Abs v48

1-25-54

Pathology

Gonadotropic activity of the adenopituitary in normal and pathologic pregnancy. I. Lajos, P. Szontágh, K. Páll, J. Göres, and A. Bácsa (Univ. Pécs, Hung.). *Endokrinologie* 30, 138-40(1953).—The pituitary produces gonadotropin during the first three months of pregnancy to counteract the added stress. During the 4th month the pituitary is inactive. In cases of toxemia the pituitary defense mechanism acts again in the last trimester. Dorit L. Noether

6

ZOLTAN, Vilmos; BACSA, Antal.

Quantitative determination of chorionic gonadotropins in prognosis of threatened abortion. Magy. orv. lap. 18 no.2:118-121 Mar 55.

1. A Pécsi Orvostudományi Egyetem Szülészeti Klinikájának közleménye (Igazgató: Lajos László dr. egyetemi tanár)  
(ABORTION,  
threatened, chorionic gonadotropins in)  
(GONADOTROPINS, CHORONIC, determination,  
in threatened abortion)

234-24, 10711

HUNGARY/Human and Animal Physiology - Internal Secretion.

V-7

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8920

Author : Laszlo Lajos, Dezso Nagy, Istvan Gati, Antal Bacsa, Gabor Seres, Ivan Clos, Vilmos Zoltan, Ferenc Husvet and Jozsef Adam

Inst : -

Title : New Endocrinological Observations of Pregnant Women

Orig Pub : Orv. hetilap, 1955, 96, No 14, 366-373

Abstract : A gonadotropic substance was isolated from the urine of pregnant women which stimulated spermatogenesis in earthworms and failed to give a positive reaction in frogs. This distinguishes it from the chorionic gonadotropin, which is isolated from the urine along with it.- In a normal pregnancy 60-1000 units of the gonadotropic substance are found in a liter of urine or serum, from the second trimester on. When toxemia is present, the concentration of the gonadotropin, even in the early

Card 1/2

A Pecszi Orvostudományi Egyetem Szülészeti és Nőgyógyászati Klinikájának (igazgató: Lajos László dr. egyetemi tanár közleménye). PREGNANCY, urine in worm positive subst.

HUNGARY/Human and Animal Physiology - Internal Secretion.

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8920

period of pregnancy, attains 1000-5000 units. The Gonadotropic substance usually accompanies the chorionic gonadotropin which, in a pathological pregnancy, is formed in large quantities at the expense of a damaged placenta.

Card 2/2



BACSA, P.

"Contribution of Karoly Udvaros' Article 'What does Soviet Agrobilogy Mean to us?' ", P. 53, (AGRARTUDCFANY, Vol. 6, No.  $\frac{1}{2}$ , Jan/Feb. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955, Uncl.

KESZLER, P.; BACSA, P.; KONYA, L.

On external cardiac massage. Orv. hetil. 105 no.30:1436-1437  
26 JI '64

BACSKAI, Gyula, dr.

Increasing the wear resistance of iron- and steel-friction surfaces.  
Misz.elet. 15 no.5:12 Mr '60. (EPAI 9:5)  
(Iron) (Steel) (Sulfides)

BACSA, Sandor, dr.

Experience with Merapid in the treatment of bronchial cancer. Magy.  
onkol. 6 no.1:15-18 Mr '62.

1. Debreceni Orvostudományi Egyetem, Tbc Klinika.

(ANTINEOPLASTIC AGENTS ther)  
(BRONCHI neopl)

SZENTKERESZTY, Bela, dr.; SCHNITZLER, Jozsef, dr.; KONYA, Laszlo, dr.;  
BACSA, Sandor, dr.; MATUS, Laszlo

The role of tracheotomy in modern surgery. Orv. hetil. 103 no.34:  
1591-1594 26 Ag '62.

1. Debreceni Orvostudományi Egyetem, TBC-Klinika, Sebészeti osztály.  
(TRACHEA surg)

RUSSIAN

BAKSA, Sidor, Dr. OSKUTRIASHVILI, Nela, Dr; Medical University of  
Tbilisi, TB Guide (Doklady Otvestudovaniy Medits. Kliniki).

"Tonsillectomy with Endotracheal Anesthesia."

Endopost, Soyuz Medits. Vol 204, No 3, 24 Feb 1966, pages 158-159.

Abstract: The authors describe their technique for anesthesia during  
tonsillectomy and evaluate the results in a short report. 1 Russian,  
2 Western reference.

1/3

BAGSA, Sandor, dr.; SZENTKERESZTY, Bela, dr.

Tonsillectomy in endotracheal anesthesia. Orv. hetil. 104 no.8:  
358-359 24 F '63.

1. Debreceni Orvostudományi Egyetem, Tbc. Klinika.  
(TONSILLECTOMY) (ANESTHESIA, INTRATRACHEAL)  
(HALOTHANE)

BACSA, Sandor, dr.; CZAKO, Zoltan, dr.; ARANYOSI, Janos, dr.

Complications of anesthesia over a 10-year period. Orv. hetil.  
104 no.42:1978-1981 20 0 '63.

1. Debreceni Orvostudományi Egyetem, Tbc/ Klinika.  
(ANESTHESIA) (ANESTHESIA, INTRATRACHEAL)  
(ANESTHESIA, LOCAL) (MUSCLE RELAXANTS)  
(PNEUMONECTOMY) (THORACOPLASTY) (ANOXIA)  
(SHOCK) (DIABETIC COMA) (ACIDOSIS)  
(INTESTINAL OBSTRUCTION) (CURARE)  
(SUCCINYLCOLINE) (BARBITURATES)  
(HYDROXYDIONE) (HALOTHANE)  
(GUAIACOL GLYCERYL ETHER) (STATISTICS)



BACSA, Sandor, dr.; KONYA, Laszlo, dr.

---

Closed chest resuscitation following lung surgery. Orv. hetil.  
105 no.13: 601-605 29 Mr 1964

1. Debreceni Orvostudományi Egyetem, Tbc Klinika

\*

BACSA, Sandor, dr.; BOLCS, Marta, dr.

Bacteriologic examination of tracheo-bronchial secretion in cases of lung surgery performed under anesthesia. Tuberkulozis 16 no.11:341-343 N '63.

1. A Debreceni Orvostudományi Egyetem Tbc klinikája közleménye.  
(TUBERCULOSIS, PULMONARY)  
(SURGERY, OPERATIVE)  
(ANESTHESIA, INTRATRACHEAL)  
(TRACHEA) (BRONCHI)  
(MYCOBACTERIUM TUBERCULOSIS)

BAGSA, Jandor, dr.; CSAKO, Zoltan, dr.; SIKANY, Zoltan, dr.

Röntgenologic examination of the lymphatic system and lymph nodes with oil contrast media. Orv. hetil. 106 no. 2272-75. Ja 10 '65

1. Debreceni Orvostudományi Egyetem, Tbc. Klinika, (igazgató: Pongor, Ferenc, dr.) Sebészeti Osztály (vezető: Salmáczky, József, dr.) és Röntgenklinika (igazgató: Jóna, Gábor, dr.).

BOLCS, Marta, dr.; BACSA, Sandor, dr.

Bacteriologic examinations at our department of thoracic surgery. Orv. hetil. 106 no.43:2033-2036 24 0 '65.

1. Debreceni Orvostudományi Egyetem, Tbc Klinika (mb. igazgató: Pongor, Ferenc, dr.), Laboratorium (vezető: Berencsi, György, dr.) és Sebeszeti Osztály (vezető: Schnitzler, József, dr.).

HUNGARY

BACSA, Dr. Sandor, and SCHNITZLER, Dr. Jozsef, Tuberculosis Clinic (Tbc Klinika), Debrecen.

"Metastasis of Bronchial Cancer and Its Significance"

Budapest, Magyar Onkologia, Vol 10, No 4, Dec 1966; pp 213-214.

Abstract: On the basis of the examination of the site and frequency of 475 metastases of 442 patients with bronchial cancer the following conclusions were drawn: 1. Bronchial cancer can metastasize to practically any organ of the body. The most frequently encountered metastases are the mediastinal alterations of lymphogenic origin. 2. Two-thirds of the patients treated at the Clinic for Bronchial Cancer exhibited metastases. There is a correlation between the size of the tumor and metastasis formation: larger tumors cause distant or near metastases more rapidly. 3. Distant metastases are generally inoperable. 4. The increase of the cancerous process is more or less uniform; the qualitative change is represented by the appearance of the metastasis. 5. Treatment and care of inoperable patients must be carried out in an institutionally organized manner. No references.

1/1

ARANYOSI, Janos, Dr. BACSA, Sandor, Dr. Medical University of Debrecen, Tbc Clinic (director: PONGOR, Ferenc, Dr) (Debreceni Orvostudományi Egyetem, Tbc. Klinika).

"Examination of the Changes in Serum Cholinesterase Level Accompanying Surgical Interventions Using the "Acholtest" (Data on the Problem of Risks in Surgical Anaesthesia)."

Budapest, Orvosi Hetilap, Vol 107, No 33, 14 Aug 66, pages 1553-1555.

Abstract: [Authors' Hungarian summary] The serum cholinesterase activity was determined with "Acholtest" paper before and after 58 surgical operations mainly involving the thorax. A total of 116 tests were carried out. A decreased level of activity was present in 11 patients before surgery. On the basis of the postoperative tests, a correlation was found between the underlying disease, the type and duration of the operation, and the changes in the serum cholinesterase level. It is concluded that, along with the other usual tests, knowledge of the serum cholinesterase level leads to a more exact estimation of the surgical risks involved in a given case. The "Acholtest" paper method is considered to be suited for routine practice. 4 Hungarian, 21 Western references.

1/1

1/1  
HUNGARY

SCHNITZLER, Jozsef, Dr, BACSA, Sandor, Dr, SZENTKERESZTY, Bela, Dr; Medical University of Debrecen, T5 Clinic (director: PONGOR, Ferenc, Dr), Surgical Ward (head: SCHNITZLER, Jozsef, Dr) (Debreceni Orvostudományi Egyetem, Tbc Klinika, Sebészeti Osztály).

"Resuscitations Carried Out in Our Ward for Thoracic Surgery as Reflected in Their Successes and Failures."

Budapest, Magyar Sebészet, Vol XX, No 1, Feb 67, pages 21-28.

Abstract: [Authors' Hungarian summary] A brief literature summary is followed by a report of the experiences in the course of 33 resuscitations, 12 of which were successful. According to the experiences with patients having pulmonary disease, resuscitation may be successful even after 3-4 minutes because of the chronic hypoxia of these patients. Among the patients who underwent surgery involving the right side of the thorax, none could be kept alive by direct cardiac massage involving opening of the left thorax. In this group, closed chest cardiac resuscitation is considered to be the better choice. In the re-starting of circulation stopped because of thoracic trauma, the importance of an individual decision is stressed although immediate thoracotomy in the case of injury on the left side, and right-sided thoracotomy in the case of injury to the right side appear to be the more promising procedures. The importance of careful follow-up treatment is stressed. 7 Hungarian, 41 Western references.

1/1

and the anaesthesiological tasks involved in such a case are discussed in detail. In 5 cases, a direct relationship was established between the anaesthesia and the circulatory arrest. An important role is attributed to errors in the anaesthetic technique which may lead to a gas exchange dis-

**APPROVED FOR RELEASE: 06/06/2000** **CIA-RDP86-00513R000102920017-9**

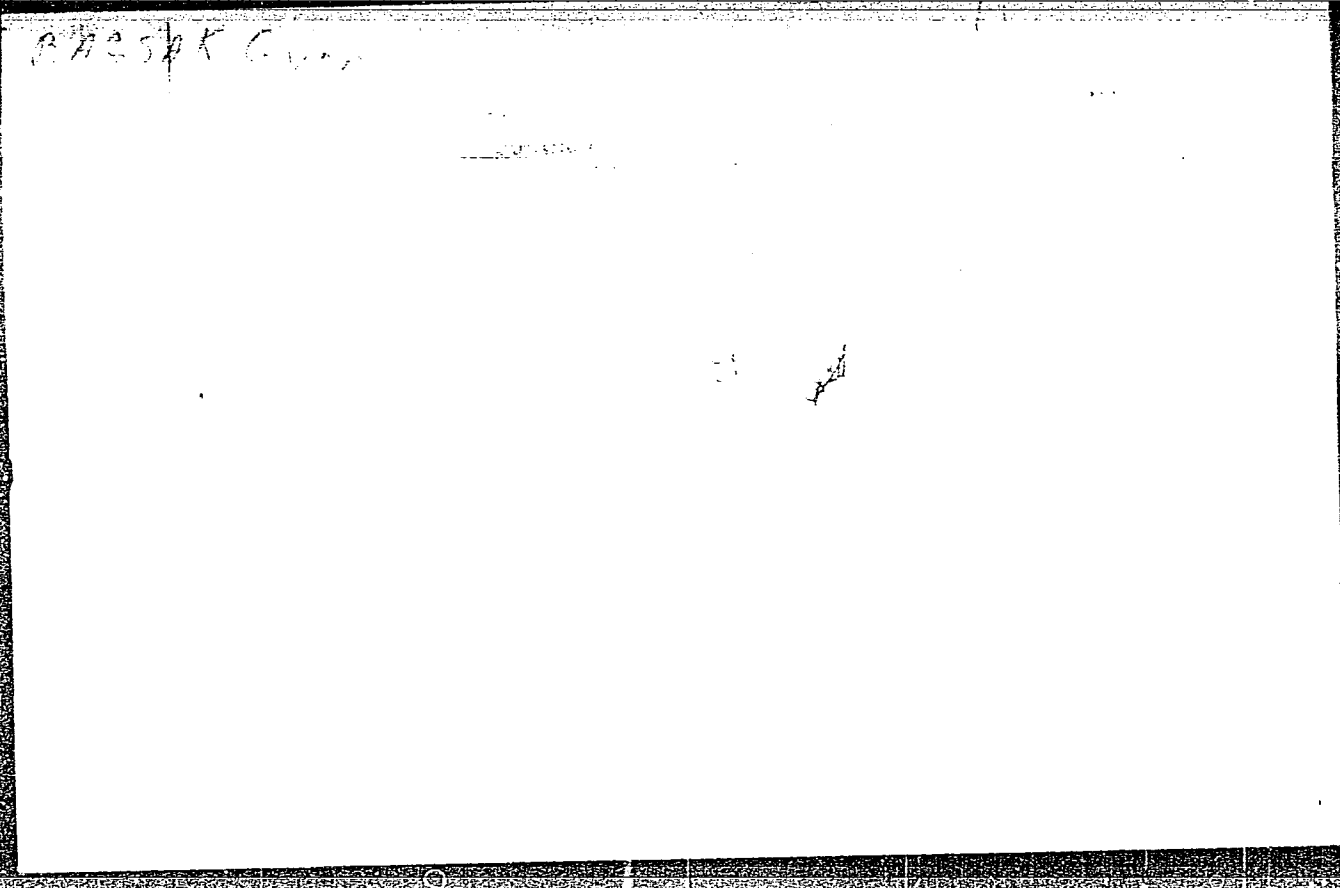
(36 per cent) was successful. 9 Hungarian, 19 Western references.

1/1

BACSAK, Gy.

"Formation of Glacial Periods," p. 314, (IDOJARAS, Vol. 57, no. 5, Sept./Oct. 1953,  
Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified





BACSAK, GY.

The Pliocene and Pleistocene in the light of celestial mechanics. p. 70,  
(FOLDTANIKOZLONY, BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY, Budapest,  
Hungary). Vol. 85, No. 1, Jan./March 1955.

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

BACSAK, GY.

The Pliocene and Pleistocene in the light of celestial mechanics,  
In German, p. 305, ACTA GEOLOGICA, (Magyar Tudományos Akademia)  
Budapest, Vol. 3, No. 4, 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

BACSAK, Gy., Doktor der geologischen und mineralogischen Wissenschaften

Causes of the preferred quadrant and its connection with the  
quaternary glacial epoch. Acta techn Hung 42 no.4:435-461 '63.

BAGSANYI, J.

Adam, Gy.; Bacsanyi, J.; Balint, P.

"Effect of Conditioned Inhibition on the Function of the Glomerulus of the Kidney."  
p. 44. (Acta Physiologica. Supplement to v. 4, 1953, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress, Jun 54, Uncl.

PINTER, Gabor,; BACSANYI, Janos,; SZEKELY, Edgar,; FEHER, Peter.

Effect of stimulation of the vagus nerve on the sodium excretion of the kidney. Kiserletes orvostud. 7 no.6:636-641 Nov 55.

1. Szurnay Maria technikai segedletevel.

(KIDNEYS, physiol.

nerv. regulation of sodium excretion, eff. of stimulation of vagus nerve in dogs & cats, relation to tubular reabsorp. (Hun))

(NERVES, VAGUS, physiol.

eff. of stimulation on sodium excretion of kidneys in dogs & cats, relation to tubular reabsorp. (Hun))

(SODIUM, in urine

nerv. regulation of excretion, eff. of stimulation of vagus nerve, relation to tubular reabsorp. (Hun))

BACSINSZKY, T.

BACSINSZKY, T. Determination of the operation of deep pumps using diagrams. p. 362.

Vol. 11, No. 6, June, 1956.

BANYASZATI LAPOK  
TECHNOLOGY  
Budapest, Hungary

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

BACIS, G.

Contributions to the development of cotton production by  
using selected seed. p. 1089.  
Academia Republicii Populare Romine. COMUNICATIE.  
Bucuresti.  
Vol. 5, no. 7, July 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 12, December 1956

BAC SIS, Gh.

Contributions to the comparative biological study of the  
behavior of some kinds of cotton plants. Studii cerc biol  
s. bot 16 no.6:557-569 '64.

1. Brinceni Experiment Center, Institute of Research on Cereals  
and Plants, Fundulea.



HUNGARY / Chemical Technology, Chemical Products and H  
Their Applications. Corrosion. Corrosion Control.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12120.

Author : Bacskai, Gyula; Maleczki, Emil.

Inst : Not given.

Title : Investigation of Corrosion Caused by the Effect  
of Fuel Oils Containing Vanadium.

Orig Pub: Nehezvegyipari kutato int. kozl., 1958, 1, No 1-2,  
137-147.

Abstract: With the utilization of residual oil, the metallic  
details of the furnace and refractory materials  
are subject to strong corrosion. This is explained  
by the content of  $V_2O_5$  in the residual oil; it is  
recommended to add CaO or  $CaCO_3$  to the residual  
oil to decrease the aggressive effect of the  $V_2O_5$ .  
-- From the authors' resume.

Card 1/1

BALSKAI, Gy.

Distr: HE2c

021.783.2-034.2: 620.193

30,00 The effect of vanadium contained in the fuel oils from Nagyenyel on the scaling of heat-treated pieces. Gy. BALS-  
kai. A Nehézipari Kutató Intézet Közleményei, Vol. 1,  
1959, No. 3-4, pp. 331-335, 4 figs., 1 tab.

3  
1-MJL(ja)  
1

Fuel oil from Nagyenyel contains 4% sulphur and 0.0104% vanadium. The increased scaling of materials heat-treated in ovens fired by such oil is ascribed to the vanadium pentoxide formed during combustion. According to electrochemical and X-ray tests made in the presence of vanadium, the scale consists mainly of Fe<sub>2</sub>O<sub>3</sub> but it also contains Fe<sub>3</sub>O<sub>4</sub> in substantial quantities. The scaling effect of vanadium compounds can be explained by the fact that V<sub>2</sub>O<sub>5</sub> is an active oxygen transmitter destroying the previously formed oxide coating.

Y  
///

CRD

11ME

BACSKAI, Gyula, dr.

Destructive and protective currents. Musz elet 15 no.16:2 Ag '60.  
(EEAI 10:1)

(Electric currents)

S/137/62/000/002/113/1  
A060/A101

AUTHORS: Bácskai, G., Kemény, G.

TITLE: On the possibility of chemical passivation of Hungarian chrome-containing steels

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 94, abstract 21643  
("Nehéznevelési kutató int. közl.", 1960, 2, no. 1 - 2, 125 - 136, Hungarian; Russian summary)

TEXT: The curves of potential versus time were used to draw conclusions as to the variation of the corrosion resistance of chrome steels. Passivated steel specimens were tested in stirred solutions of NaCl and H<sub>2</sub>SO<sub>4</sub>. A preliminary treatment of the specimens in a mixture of H<sub>2</sub>O<sub>2</sub> and HNO<sub>3</sub> leads to an increased corrosion resistance in NaCl solution. Specimens with 13% Cr and 0.1% C pretreated in 30% HNO<sub>3</sub> solution containing 5% K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> have demonstrated considerable corrosion resistance in 3% H<sub>2</sub>SO<sub>4</sub>. The corrosion resistance of steels not containing Ni can be raised by chemical passivation. After such a treatment, chrome steels become utilizable in cooling installations containing refrigerating solutions of NaCl. Ye. Layner

[Abstracter's note: Complete translation]  
Card 1/1

GEREB, György, Dr.: BACSKAI, Jozsefne, Dr.

Necessity of complex work in the neurological and psychological care of children. Orv. hetil. 99 no.29:977-981 20 July 58.

1. A Szegedi Ideggyógyászati és Lelektani Gyermekgondozó Intézet (vezető-őorvos: Bacskai Jozsefne dr.) közleménye.

(CHILD PSYCHOLOGY

complexity of work in psychol. & neurol. care of child. (Hung))

BACSKAI, Jozsefne, dr., szeto, foorvos; GERNEB, Gyorgy, dr. foiskolai tanar,  
kandidatus (Szeged)

Points of view on psychological determination of maturity in  
school children. Nepegeszsegugy 40 no.9:247-249 S '59.  
(STUDENTS psychol)

MAROCZI, Jozsef, dr.; technikai munkatársak: ANGYAL, Janosne; BACSKAI, Laszlo

Vaccinia antihemagglutinin titer of the blood plasma of infants inoculated with smallpox vaccine, after vaccination with living attenuated poliovaccine. (Preliminary report). Orv. hetil. 103 no.42:1988-1989 21 0 '62.

1. Human 0ltoanyagtermelo es Kutato Intezet, Budapest.  
(POLIOVIRUS VACCINE, ORAL) (SMALLPOX VACCINE)  
(HEMAGGLUTINATION)

*K. N. ... M. H. ...*

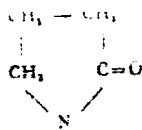
Quick method for the determination of dry matter in yeast. Anna Szilágyi and Mihály Bácskai. Yearbook Inst. Agr. Chem. Technol. Univ. Tech. Sci. Budapest, Hung. 1952 III-1954 VIII, 133-5. The method is based on the detn. of the heat generated by the mixing of exothermic quaternary systems. One g. yeast is ground with quartz sand and shaken with 10 cc. EtOH, placed on a water bath at 40-45° for 5 min., then 10 cc. xylene is added and the yeast is allowed to settle. After settling, 10 cc. of the supernatant mixt. of H<sub>2</sub>O, EtOH, and xylene is added to 1 g. of vegetable oil in a test tube equipped with cork and a thermometer reading to 1/10°. The tube is placed in a water bath at 70°. The mixt. clears up in a few min. Then the tube is removed from the water bath and the turbidity point is detd. From a standard curve giving turbidity points as function of the H<sub>2</sub>O content, the H<sub>2</sub>O content of the yeast sample is obtained. The standard curve is procured by testing yeast samples with known H<sub>2</sub>O content; it can not be constructed on data obtained with distd. H<sub>2</sub>O, EtOH, xylene, and vegetable-oil mixts. because the sol. components of yeast affect the temp. of turbidity. I. A. Szilard

CH ①

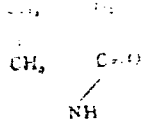


BAESKAI K

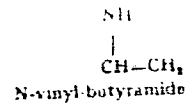
Water soluble polymers : The synthesis of N-vinylbutyramide



CH=CH<sub>2</sub>  
N-vinylbutyramide



CH=CH<sub>2</sub>  
N-vinylbutyramide

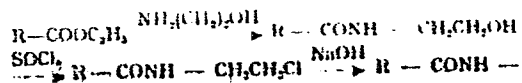


With H<sub>2</sub>O<sub>2</sub> the monomer gives a thoroughly water soluble polymer

BACSKAI R.

35. Water-soluble polymers. II. The synthesis of N-vinyl-propionamide, N-vinyl-acetamide and the corresponding polymers. - *Vizskizany polymerick II: Az N-vinyl-propionamid, N-vinyl-acetamid és a megfelelö polymerek szintézise*. R. Bacsikai and L. Halmos (Hungarian Journal of Chemistry, *Kémiai Folyóirat* - Vol. 60, 1954, No. 2, pp. 43-45, 2 tabs.)

The synthesis of N-vinyl-butylamide has been extended to some close homologous substances



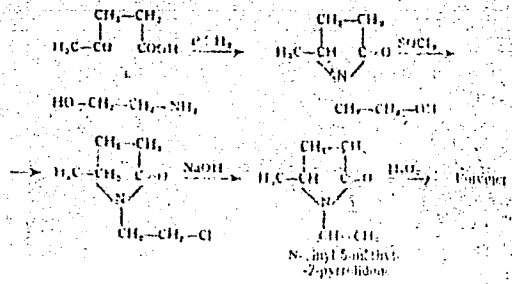
— CH = CH<sub>2</sub>, where R = H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>, C<sub>3</sub>H<sub>7</sub>. In the case of R = H, the last step of the synthesis, the dehydrohalogenation of N-(β-chloroethyl)-formamide, failed. The substances N-vinylacetamide, N-vinyl-propionamide, N-vinyl-butylamide, similarly to N-vinyl-2-pyrrolidone are water-soluble. The monomers can be polymerized with peroxide-type initiators, the polymers are thoroughly soluble in water.

BACSISAI, R.

HUNG

32. Water-soluble polymers. III. New synthesis for the preparation of polyvinylacetam. - B. Bacsikai and J. Barabás. (Magyar Kémiai Folyóirat - Vol. 60, 1954, No. 5, pp. 115-117, 1 tab.)

During the course of laboratory investigations of synthetic water-soluble polymers, poly-N-vinyl-5-methyl-2-pyrrolidone was prepared. The synthesis, starting from levulinic acid, has been carried out through the following steps:



1  
4  
0  
2 MAY

*[Handwritten signature]*

The physical characteristics of the new polymer correspond to that of polyvinylpyrrolidone.

BACSKAI, R.

✓  
CH

22. Water-soluble polymers, IV. The polymerization of N-vinyl-5-methyl-2-pyrrolidone — R. Bácskai. (Magyar Kémiai Polyóirat — Vol. 61, 1966, No. 9, pp. 97-103; 6 figs., 0 tabs.)

The polymerization of N-vinyl-5-methyl-2-pyrrolidone (VMP) initiated by different peroxidic and Friedel-Crafts type compounds was investigated. It was found that among the compounds studied benzoyl peroxide was unable to initiate the polymerization of VMP. In hydrogen peroxide-initiated polymerization a relationship exists between the concentration of the initiating compound and the molecular weight of the polymer product: starting from a H<sub>2</sub>O<sub>2</sub> concentration of 1% the molecular weight of the product increases gradually as the concentration of the initiating compound decreases while below 0.3% the molecular weight increases rapidly. Based upon the mathematical evaluation of the rheolo-

4

✓  
PM

(OVER)

M.A. YOUTZ  
2 copies  
3000