

MAREK, Sylwester

Geologic structure of the Justynow anticline near Lodz. Kwartalnik  
geol 3 no.1:71-90 '59. (EEAI 9:8)  
(Poland--Geology)

MAREK, S.

GEOGRAPHY & GEOLOGY

PERIODICAL: KWARTALNIK GEOLOGICZNY. Vol. 1, No. 2, 1957

MAREK, S. Preliminary stratigraphic identification of the Lower Cretaceous  
in the region of Rogozno and Ozorkow. p. 247.

Monthly List of East European Acquisitions (EEAI) LC. Vol. 8, No. <sup>4</sup>5,  
May 1959, Unclass.

*April*

MAREK, S.; POMPE, K.

Surgical treatment of the sequelae of lupus vulgaris. (Czech).  
derm. 39 no.5-196-191 1964

1. Chirurgické oddělení nemocnice v Opavě (vedoucí MUDr. S. Marek, StJ) a léčebna kožní tuberkulózy v Novej Mesto nad Metují (vedoucí MUDr. K. Pompe, StJ).

MAHOVSKY, Jan; MAREK, Svatopluk

Study of mineral oils by the infrared spectrophotometry.  
Ropa a uhlie 6 no.5:140-144 My '64.

1. Research Institute of Rubber and Plastic Technology,  
Gottwakdov (for Mahovsky). 2. Chair of Petroleum,  
Slovak Higher School of Technology, Bratislava (for Marek).

MAREK, Svatopluk

Open treatment of clean surgical wounds. Cas. lek. cesk. 101 no.37:  
1118-1120 14 S '62.

1. Chirurgické oddelení nemocnice v Opocne, přednosta MUDr. S. Marek.  
(SURGERY OPERATIVE) (WOUND HEALING) (BANDAGES)

MAREK, Svatopluk

The uterus and adnexa in infantile strangulated hernia. Cesk. pediat.  
14 no.8:749-750 Aug 59.

1. Chirurgické oddelení nemocnice v Opocne, OUNZ Dobruska.  
(HERNIA, in inf. & child)

RUZICKA, Milan, MUDr; MAREK, Svatopluk, MUDr

Intestinal perforation in concealed injuries of the stomach.  
Prakt. lek. Praha 35 no.1:7-8 5 Jan 55.

1. GUNZ Dobruska - chir. odd. v Opocne (primar MUDr Svatopluk Marek)

(STOMACH, wounds and injuries  
causing intestinal perf.)  
(INTESTINES, perforation  
caused by stomach inj.)

MAREK, Svatoopluk

Endotracheal anesthesia in small surgical department. Rozhl.chir.  
34 no.3:205-207 Mar 55.

1. Z chirurgického oddeleni nemocnice v Opocne-GUNZ Dobruska  
(Prednosta MUDr Svatoopluk Marek)  
(ANESTHESIA, ENDOTRACHEAL  
in small surg. department)



MAREK, Svatopluk

Papillomatosis of the gallbladder. Cesk. gastroenter. 9 no.2:  
129-132 June 55.

1. OUNZ Dobruska, chirurgicke oddeleni nemocnice v Opocne  
(primar Dr. S. Marek).

(GALLBLADDER, neoplasms  
papillomatosis)

(PAPILLOMA  
bladder, papillomatosis)

MAREK, Svatopluk.

Eosinophilic granuloma of the small intestine. Cas lek cs 93  
no.18:484-485 Ap '54. (REAL 3:7)

1. Z chirurgickeho oddeleni nemocnice v Opocne (OUNZ Dobruska).  
Primar Dr Svatopluk Marek.  
(INTESTINE, SMALL, neoplasms, (EOSINOPHILIC GRANULOMA,  
\*eosinophilic granuloma) \*intestine, small)

LET AND THE ORDER PROCESSER AND PROPERTIES INDEX TAG AND 41-000000

CA 17

Protection of medicinal agents from light. Svatopluk Marek. *Casopis Ceskos. Lekarska* 27, 60-73, 81-8 (1942); *Chem. Zentr.* 1943, I, 977. --The majority of pharmaceutical preps. are sensitive to light. They should be kept in brown bottles or bottles wrapped with black paper or in a store room with only red glass windows. Containers of pale yellow opal glass also offer considerable protection. Bibliography. L. R. Gibson

COMMON VARIANTS INDEX

ASM-55A METALLURGICAL LITERATURE CLASSIFICATION

GROUP NO. SYMBOLS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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MAREK, S.

Requirements for the pharmacy education. Cesk. farm. 14 no.5:  
202-204 Je '65.

CZECHOSLOVAKIA

S. MAREK [Affiliation not given.]

"Ten Years of Postgraduate Education for Pharmacists in Czechoslovakia."

Prague, Ceskoslovenska Farmacie, Vol 12, No 5, June 63; pp 225-230.

Abstract : Historical review of needs and plans; exhortations about role in socialist society; data about 55 courses through which passed 1533 pharmacists 1957-1962; graduate tests in 1962: of 174 applicants, 123 took full examinations and 119 passed; of the 4 who failed, 3 failed only in Russian. General commentary and evaluation of role.

1/1

CZECHOSLOVAKIA

MAREK, S.

Pharmaceutical Chair UDL (Farmaceuticka katedra UDL),  
Prague

Bratislava, Farmaceuticky obzor, No 5, 1963, pp 193-200

"Five Years of Activity of the Pharmaceutical Chair UDL  
in Prague (1957-1962)."

①

Provision, EMB PER 1827 (1929) (24 Feb. 11, 1931.  
 (no comment)

2. Identification of 1...  
 (circled area)

3. Identification of the...  
 (circled area)

4. Identification of the...  
 (circled area)

5. Identification of 1...  
 (circled area)

MAR 5

POLAND/Chemical Technology. Chemical Products and Their  
Application. Medicinals. Vitamins. Antibiotics.

H-17

Abs Jour: Ref Zhur-Khin., No 13, 1958, 44279.

Author : Marek S.  
Inst :  
Title : Pharmacy in Czechoslovakia.

Orig Pub: Farnac. polska, 1957, 13, No 1, 8-11.

Abstract: No abstract.

Card : 1/1

32

MAREK, S.;MELICHAR, B.;HLADIK, J.

Establishment of pharmaceutical department in universities in  
Czechoslovakia. *Cesk. farm.* 1 no.10:549-554 1952. (CLML 23:4)



MAREK, S.

Drugs and pharmaceutical preparations. Zdravot. rev. 25:6,  
June 50. p. 171-3

CLM 19, 5, Nov., 1950

MAREK, Roman

Problem of contaminating water at its receivers. Gaz woda  
techn sanit 37 no.9:285-287 S '63.

1. Department of Water Supply and Sewerage, Technical Uni-  
versity, Warsaw.

MAREK, R.

The EHV partially automatic welding method and ELIN automatic welding by an electrode coated with grooved links. p.7.  
(Zvaranie, Vol. 6, No. 1, Jan. 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

MAREK, R.

MAREK, R. Building up railroad wheel treads by weilding. p. 11

Vol. 4, no. 1/4, 1955  
VARILNA TEHNIKA  
TECHNOLOGY  
Ljubljana

So: East European Accession, Vol. 6, no. 3, March 1957

Ophthalmology

HUNGARY

MAREK, Peter, Dr., VIDOVSKY, Tamas, Dr.; National Neurosurgical Scientific Institute (director: ZOLTAN, Laszlo, Dr.), Ophthalmology (chief physician: REMNAR, Laszlo, Dr.) (Orszagos Idegsebeszeti Tudomanyos Intezet, Szemosztaly).

"Data on the Pathomechanism and Clinical Manifestations of Retraction Nystagmus."

Budapest, Orvosi Hetilap, Vol 107, No 33, 14 Aug 66, pages 1547-1549.

Abstract: [Authors' Hungarian summary] The diagnostic problems of retraction nystagmus are discussed on the basis of 6 cases observed. It was demonstrated by electromyography that the essence of the disturbance in ocular motion is the synchronous contraction of antagonistic eye muscles. Excitation of the oral section of the mesencephalic tegmentum plays a role in its development. All 13 references are Western.

1/1

MAREK, Peter, dr.; FOGANY, Odon, dr.; SZENASY, Jozsef, dr.

Oto-neurological aspects of infratentorial tumors in children. Orv.  
hetil. 103 no.20:934-936 20 My '62.

1. Országos Idegsebészeti Tudományos Intézet.

(BRAIN NEOPLASMS in inf & child)  
(VESTIBULAR APPARATUS physiol)

REMENAR, Laszlo; MAREK, Peter

Spontaneous carotid-cavernous aneurysms. Szemeszet 99 no.4:205-214  
D '62.

1. Az Országos Idegsebészeti Tudományos Intézet (igazgató: Zoltán László  
az orvostudományok kandidátusa) közleménye.

(CAVERNOUS SINUS) (CEREBRAL ANEURYSM)  
(CAROTID ARTERY DISEASES)

MAREK, Peter

The use of ultrasonics in ophthalmology. Szemeszet 95 no.3:104-108 Sept 58.

1. A Magyar Héphadsereg Egészségügyi Szolgálatának közleménye.  
(EYE DISEASES, ther.  
ultrasonics, indic. & technics (Hun))  
(ULTRASONICS, ther. use  
eye dis., indic. & technics (Hun))



MAREK, Pavel, inz.

Spherical water tank in Malaita. Inz stavby 13 no. 133-36 Ja  
'65.

MAREK, P.

"List standards for quality of steel issued after 1950." p. 34. (Hutnicke Listy. Vol. 9, no. 1, Jan. 1954. Brno.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.  
Uncl.

MAREK, Oldrich

Information on the fauna and classification of the genus *Meligethes* Steph. in Bulgaria. *Cas entom* 59 no.4:381-382 '62.

1. Tschechoslowakische Entomologische Gesellschaft.

MAREK, OLDRICH

2  
BW(CM)  
JAJ(MAY)(NB)  
3

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

1  
V. Transparent homogenous polymethacrylates. Oldrich  
Marek. Czech. 89,662, Apr. 16, 1959. A monomer or  
pre-polymer is polymerized between silicate glass sheets  
surrounded by cardboard impregnated with a suspension of  
Bu methacrylate in an aq. medium for 8 hrs. at 55°. After  
removing the cardboard, the polymerization is continued for  
an addnl. 24 hrs. at 40°. The polymerization is completed  
after another 8 hrs. at 97°. The polymer is cooled and re-  
moved from the silicate glass sheets. V. Kratochvíla

MAREK, O

Distr: 4E3b/4E2c(j)

7  
2  
1-10/1NB  
2

✓ Suspension polymerization of butyl methacrylate. Old-  
fich Marek. Czech. 83,590, Apr. 1, 1959. Bu methacry-  
late is polymerized at 90-120° and 1-3 atm. pressure in  
H<sub>2</sub>O with lauroyl peroxide as catalyst and poly(vinyl  
alc.) and Na<sub>2</sub>SO<sub>4</sub> as surface-tension regulators.

V. Kratochvílová

pa

L 44750-66 EEC(k)-2 LJP(c)

ACC NR: AP6032885

SOURCE CODE: HU/0012/65/013/008/0236/0239

AUTHOR: Marek, Nandor--Marek, Y. (Doctor); Szovik, Jozsef--Sovik, Y. <sup>3P</sup>

ORG: [Marek] Institute for Medical Chemistry, Szeged University for Medical Sciences, Szeged (Orvostudományi Egyetem Orvosi Vegytani Intezet); [Szovik] Hungarian Optical Works (Magyar Optikai Művek)

TITLE: Experiences in the use of the spektromom 201 ultraviolet spectrophotometer <sup>3</sup>

SOURCE: Meres es automatika, v. 13, no. 8, 1965, 236-239

TOPIC TAGS: UV spectrophotometer, photoelectric cell/Spektromom 201 UV spectrophotomete

ABSTRACT: The specifications of the 'Spektromom 201' ultraviolet spectro-  
photometer (manufactured by Hungarian Optical Works) were described in  
detail. The instrument operates in the 190-1100 nm. wavelength range;  
its photocells are British-made and its light source is German-made.  
Its operation and calibrating procedures were described and some re-  
sults were discussed to illustrate its accuracy and reproducibility.  
Orig. art. has: 5 figures and 3 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: 22Feb65 / OTH REF: 002

UDC: 535.243.25-31

Card 1/1 mjs

0920

0402

L 23896-66

ACC NR: AT6011827

of cultures is also discussed. Orig. art. has: 4 figures [Author's  
abstract] [KS] 0

SUB CODE: 06/ SUBM DATE: 23Apr65/ ORIG REF: 004/ OTH REF: 006/

Card 2/2 BK

L 23896-66 SCTB DD

ACC NR: AT6011827

SOURCE CODE: HU/2501/66/016/004/0319/0325

AUTHOR: Marek, Nandor (Szeged); Sipos, Maria (Szeged); Stur, Judit K. (Szeged); Szarvas, Janos (Szeged); Kramli, Andras (Szeged)

ORG: Institute of Medical Chemistry, Medical University, Szeged/ headed by A. Kramli

TITLE: Studies on the redox potential in algal cultures

36

Bt 1

SOURCE: Academia scientiarum hungaricae. Acta biologica, v. 16, no.4, 1966, 319-325

TOPIC TAGS: algae, redox potential, oxygen tension, plant growth

ABSTRACT: Redox potential (RP) measurements were carried out in algal cultures to investigate the influence of the daily periodicity of light and darkness on changes in RP values and to establish the relationship between RP and growth curves. It was found that RP values are subject to regular daily changes, and are higher and lower in light and darkness, respectively. The difference between the maximum and minimum values varies greatly depending on whether the cultures or grown in inorganic media or in those containing organic hydrocarbons. It is assumed that this might be caused by differing oxygen tensions due to difference in photosynthetic oxygen production in the various media. The regular relationship between daily RP maximum values and growth rate

Card 1/2



L 7863-66 EWT(1)/FS(r)-3 DD

ACC NR: AT5028036

SOURCE CODE: HU/2501/65/016/001/0043/0049

AUTHOR: Marek, Nandor (Szeged); Sipos, Maria (Szeged); Stur, Judit k. (Szeged); Szarvas, Janos (Szeged); Kramli, A. (Head, Szeged)

ORG: Institute of Medical Chemistry, Medical University, Szeged

TITLE: Continuous culturing of algae in artificial illumination

SOURCE: Academia scientiarum hungaricae. Acta biologica, v. 16, no. 1, 1965, 43-49

TOPIC TAGS: photosynthesis, algae, chlorella

ABSTRACT: A method for continuous cultivation of algae is described; this method can produce algae in sufficient quantities to inoculate larger culturing units. A diagram of the apparatus, which is based on the light-utilizing properties of the algae (Chlorella in these experiments) and on the theoretical principles of continuous cultivation, is given in the original article. Experiments showed that this system is self-regulatory in a certain light-intensity range: its productivity per unit volume of suspension remains constant at a rate of inflow of the medium between certain limits. The computed cell concentration values at different renewal periods must be taken as limits since the values obtained deviate approximately 10% from theoretical values. Orig. art. has: 1 figure and 12 formulas.

[JS]

SUB CODE: LS/ SUBM DATE: 20Jul64/ OTH REF: 002/ ATD PRESS: 4147

Card 1/1

37  
BKH

HUNGARY/Optics - Optical Methods of Analysis.

K

Abs Jour : Ref Zhur Fizika, No 11, 1959, 26301

Author : Gati, L., Ketskenety, I., Marek, N., Szalay, L.

Inst : Institute of Experimental Physics, The University, Szeged, Hungary

Title : A Note on the Luminescent Analysis of Bitumens

Orig Pub : Acta phys. et chem. Szeged., 1958, 4, No 3-4, 94-96

Abstract : The bituminosity of surface layers of the soil has a double origin: 1) the bitumens could be formed from the organic substances contained in the soil, 2) they could rise to the surface layer of the soil from the deeper petroleum-bearing layers. To clarify the origin of the bituminosity of the soil, a method is proposed of measuring the polarization of the luminescence of the bitumens contained in this soil. From an area of 60 squares

Card 1/2

MAREK, N.

The relation between the absorption and polarization spectra of a fluorescent morin compound. E. Ketskenety, N. Marek, and E. Sarkany (Univ. Szeged, Hung.). Acta Phys. Szegediensis, Acta Phys. et Chem. [N.S.] 4, 21-9 (1958) (in German). - The true polarization spectrum  $P(\lambda, \eta)$  of a material (concn.  $\rightarrow 0$ ) at viscosity  $\eta$  is defined as  $P(\lambda, \eta) = \rho'(\lambda, \eta) / (1 + \eta / 2 \rho'(\lambda, \eta))$ , where  $\lambda$  is wave length of the excitation source;  $P(\lambda, \eta) = \lim_{\eta \rightarrow 0} \rho'(\lambda, \eta)$ ;  $\tau$  extinction (time of fluorescence),  $\rho' = \lim_{c \rightarrow 0} \rho$ ,  $K = AT/v$ ,  $k$  Boltzmann's const.,  $v$  mol. vol. of fluorescent material,  $T$  abs. temp. If the absorption spectrum is resolved into a no. of Gaussian curves  $G(\lambda)$ , depending on the no. of absorption bands, then  $P(\lambda, \eta) = \sum G(\lambda) / \sum G(\lambda)$ . In the Al-morin system, max. for  $\tau$  421.6, 348.5, 297.5, 270.5 m $\mu$ , exptl.  $P$  at  $4 \times 10^{-4}$  M morin and  $4 \times 10^{-4}$  M  $AlCl_3$  in 60 vol. % glycerol and EtOH within the range 260-440 m $\mu$  was similar to the calcd. one.

E. M. Vanars

5  
4021

ML

*MAREK, N.*

HUNGARY/Physical Chemistry - Crystals.

R.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 45803

Author : L. Gombay, N. Marek

Inst : Academy of Sciences of France.

Title : Photoelectric Properties of Semiconductor Prepared by Sulfidizing Vaporized Cd Coating.

Orig Pub : Acta phys. et chem. Szeged, 1956, 2, No 1-4, 34-38

Abstract : A method of preparing thin photosensitive CdS films of large surface area is proposed. A film of CdS 10 $\mu$  thick is dusted by evaporation on a quartz surface in vacuo, after which Cd is incompletely sulfidized in H<sub>2</sub>S at 400 $^{\circ}$ , the resistivity being checked simultaneously. After the heating at 400 $^{\circ}$  the excessive Cd diffuses into the layer imparting the normal photosensitivity S to it. The curve of the spectral distribution of S has

Card 1/2

1. GOLUBKOV, K. A., Eng.; FAREK, M. M., Eng.
2. USSR (600)
4. Windlass
7. Modernized winch U 2-4-5 of Ural Machine Building Plant construction, Vest. mash., 32, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

CZECHOSLOVAKIA

LOPOUR, P; MAREK, M

Institute of Macromolecular Chemistry, Czechoslovak  
Academy of Sciences, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communi-  
cations, No 2, February 1967, pp 473-479

"Discussion concerning the characterization of the  
acidity of boron fluoride etherate in terms of the  
Hammett acidity function  $H_0$ ."

Method of polymerizing...

S/081/62/000/023/101/120  
B101/B186

the conversion is 90% after 3 hrs, the molecular weight being 600,000.  
Partially hydrolyzed aluminum sec-butylate,  $\text{Al}(\text{OH})_2\text{F}$ ,  $\text{Mg}(\text{OH})_2$ ,  $\text{Al}(\text{OC}_3\text{H}_7)_2\text{Cl}$   
and, instead of  $\text{TiCl}_4$ ,  $\text{SnCl}_4$  were also used for producing the catalyst. X

[Abstracter's note: Complete translation.]

Card 2/2

43763

S/081/62/000/023/101/120  
B101/B186

11.9788

AUTHORS: Marek, Miroslav, Trekoval, Jiri, Wichterle, Oto

TITLE: Method of polymerizing isobutylene

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 708, abstract  
23P300 (Czechosl. pat. 100471, August 15, 1961)

TEXT: Isobutylene (I) is polymerized in the presence of insoluble catalysts obtained by reaction of  $\text{BF}_3$  and  $\text{TiCl}_4$  with hydroxy and alkoxy compounds of Mg and Al. This is done without using solvents. Polymers with a molecular weight of 20,000 - 150,000, usable as oil additives, are obtained. The rate of polymerization is controlled by the catalyst quantity. The molecular weight of the polymer rises rapidly when the reaction temperature is lowered. Example: A 10% suspension of  $\text{Al}(\text{OH})_3$  in hexane is saturated with  $\text{BF}_3$  at  $10^\circ\text{C}$ , and 0.5 mole  $\text{TiCl}_4$  per mole Al is added after distilling off 50% of the hexane. A conversion of 94% is reached with a 10% solution of I in hexane in the presence of 0.5% of the resulting catalyst after 2 hrs at  $0^\circ\text{C}$ , the molecular weight of the polymer being 120,000. At  $-30^\circ\text{C}$ , Card 1/2

MARKER, M.

INTERNATIONAL SYMPOSIUM ON MACROMOLECULAR CHEMISTRY. MOSCOW, 1960.

International symposium on macromolecular chemistry. Moscow, 1960. Masbharovskiy sbornik po makromolekulyarnoy khimii, SSSR, Moskva, 14-18 iyunya 1960 g.; doklady i referaty. Sbornik II. (International Symposium on Macromolecular Chemistry Held in Moscow, June 14-18, 1960; Papers and Summaries) Section II. (Moscow, 14-18 June 1960) 599 p. 5,500 copies printed. Sponsoring Agency: The International Union of Pure and Applied Chemistry, Commission on Macromolecular Chemistry

Techn. Ed.: S.A. Prusakovskaya.

PURPOSE: This book is intended for chemists interested in polymerization reactions and the synthesis of high-molecular compounds.

CONTENTS: This is Section II of a multivolume work containing papers on macromolecular chemistry. The papers in this volume treat mainly the kinetics of various polymerization reactions initiated by different catalysts or induced by radiation. Among the research techniques discussed are electron paramagnetic resonance spectroscopy and light-scattering spectroscopy. There are summaries in English, French and Russian. No personalities are mentioned. References follow each article.

Kibulidze, B., and J. Kerecsovics (Hungary). On the Mechanism of the Formation Reaction of Stereoregular Polymers.	302
Simon, A., and O. Chyzen (Hungary). On the Kinetics of a Reaction on Zeigler Catalysts	310
Nichtevskiy, G. M., Kabanov, V. I., and I. Trubnikov (Czechoslovakia). Kinetics of the Polymerization of Ethoxyethylene on a Heterogeneous Catalyst	322
Boček, J. (Czechoslovakia). Heterogeneous Catalysts for the Polymerization of Alpha Olefins	330
Vasilek, K., I. Ashraf, E. Jilka, and O. Ruzick (Czechoslovakia). The Effect of Some Types of Catalysts on the Polymerization of Propylene. Catalyzed by the Ziegler-Titanium Trichloride-Triethylaluminum System	337
Polopovskiy, B. A. (USSR). Study of the Factors Leading to the Degradation of Chain Structure During the Ionic Polymerization of Dienes	346
Krasulinskiy, B. L., Nicos Fe-nung, and A. P. Kuznetsov (USSR). Study of the Interaction of Organometallic Compounds with Salts of Heavy Metals and the Use of Organometallic Compounds and Their Complexes to Stimulate Polymerization	355
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Reuter, E. E., M. J. Krasovskiy, K. Ya. Podolskiy, and S. B. Kuznetsov (USSR). Study of Some Details of the Mechanism of Polymerization Under the Action of Complex Catalysts	372
Fischer, J. B., G. F. Marshall, J. J. Burroughs, and M. G. Okuma (USSR). Stereospecificity and the Optical Properties of Polymers	378
Birabner, J. M., Yu. Ya. Gontib, and O. B. Bilogun (USSR). The Microviscosity of Polymers and Methods of Study	383
Abiko, A. B., A. P. Zhuravskiy, M. E. Izrael'skiy, and L. F. Koshlitskiy (USSR). On Carbonium and Carbanion Polymerization Mechanisms Under the Effects of Gamma Radiation	390
Kaplan, Y. A., and Y. A. Eshman (USSR). Polymerization Processes in Insoluble Molecular Dispersions	395
Kachadik, E. Y., M. Jilka, and K. P. K. (Czechoslovakia). Kinetics of the Polymerization of Tetrahydrofuran	400
Vassily, E. (Czechoslovakia). On the Mechanism of Ionic Polymerization	402
Zifnal, J., and A. Kozda (Czechoslovakia). On the Role of Branched Compounds in the Cationic Polymerization of Isobutylene	412

31  
45



Country : Czechoslovakia  
Category : High Molecular Chemistry I  
Abs. Jour : Referat Zhur--Khim., No 11, 1959 41213  
Author :  
Institut. :  
Title :

Orig Pub. :

Abstract : The dependence between the logarithm of the rate constant and the acidity function is linear, which fact confirms the protonic mechanism postulated for the catalysis. The reaction depends very little on the temperature and the degree of polymerization is not affected by the acidity function in the range investigated. For Communication I see RZhKhim , 1956, 67895.

O. Knessel

Card: 2/2  
1129

E N D

I-4

Country : Czechoslovakia 1  
Category : High Molecular Chemistry  
Abs. Jour : Referat Zhur--Khim., No 11, 1959 41213  
Author : Wichterle, O., Kolinsky, M., and Marek, M.  
Institut. : Not given  
Title : Dependence of the Rate of Polymerization of Isobutylene on the Acidity of the Catalyst. II. Catalysis by the Binary Systems  $\text{BF}_3\text{-H}_2\text{O}$  and  $\text{H}_2\text{SO}_4\text{-H}_2\text{O}$  \*  
Orig Pub. : Chem Listy, 52, No 6, 1049-1057 (1958)  
Abstract : The authors have investigated the rate of polymerization of isobutylene, catalyzed by the strongly acid binary systems  $\text{BF}_3\text{-H}_2\text{O}$  and  $\text{H}_2\text{SO}_4\text{-H}_2\text{O}$  in the Hammett acidity function range  $H_0 = 7-10$ . The measurements were carried out under adiabatic conditions. The energy of activation of the reaction is estimated to be about 3 kcal/mol. The reaction is first order, starting with a conversion of about 20% for weakly acid solutions and about 40% for strongly acid solutions. The main products are low-molecular weight products; the highest degree of polymerization, obtained with the very acid system  $\text{BF}_3\text{-H}_2\text{O}$  ( $H_0 = -10.73$ ), is 4.  
Card: 1/2 \*  
 $\text{H}_2\text{O}$

MAREK, MIROSLAV

6

CZECH

~~Hammett acidity functions for the system acetic acid-phosphoric acid-water. Otto Knessl, Jan Roček, and Miroslav Marek (Ustav org. chemie CSAV, Prague). *Chem. Listy* 49, 302-6 (1955). The Hammett acidity function for the system at 20° was detd. in the concn. ranges 0-15%~~

H<sub>3</sub>PO<sub>4</sub> and 0-8% H<sub>2</sub>O. The indicator was *p*-nitroaniline. This system forms a buffer soln. suitable for the study of acid catalysis in the AcOH soln. E. Erdős

*Handwritten initials and signature*

~~MAREK, M.~~

MAREK, M.

*HN* Hammett acidity functions for the system acetic acid-  
phosphoric acid-water. Otto Knesel, Jan Roček, and Miloš  
Marek. Collection Czechoslov. Chem. Commun. 40,  
1697-8 (1965) (in German).—See C.A., 49, 9362i. E. I. C.

(2)

*M*

*HN*

MAREK, M., inz.

A new decade counting discharge tube for direct control of digital discharge tubes. Sdel tech 10 no.11:427 N '62.

MAREK, Miloslav, inz.

A transistor current stabilizer for electromagnet excitation. Sdel tech  
10 no.8:301-302 Ag '62.

MAREK, Miroslav, inz.

Transistor source of a stabilized controllable voltage. Sdel tech 10  
no.8:286-287 Ag '62.

MAREK, M.

Single-sweep time base. P. 139.

SEDLOVACI TECHNIKA. (Ministerstvo strojirenstvi). Praha, Czechoslovakia,  
Vol. 7, No. 4, Apr. 1959.

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



MAREK, M.

Electrical Engineering Abstracts  
June 1954  
Engineering

629.179.14 : 621.318

2258. Detecting tube failures by a magnetic method.  
J. BRZD, M. MAREK AND F. VILIM. *Elektrotech.  
Československo*, 12, No. 5, 244-8 (1953) In Czech.

The method which is based upon the determination  
of the leakage flux above failures in steel tubes,  
reveals failures due to structural faults in the material  
as well as those due to wall thinners. A.

SKACEL, Jaroslav; MAREK, Miloslav; MIKUS, Miloslav; KNEZ, Jaroslav;  
PAUK, Tomas; BARTAS, Frantisek; OREL, Petr; VYBIRAL, Josef;  
BARTH, Vojtech; KNETTING, Petr; FOJT, Bohuslav; DVORAK, Jaroslav;  
KOCIAN, Jan

The 2nd Regional Geological Conference in Opava. Prir cas  
slezsky 23 no.1:133-143 '62.

T. 65053-65

ACCESSION NR: AT5009471

SUBMITTED: 000064

ENCL: 01

SUB CODE: NP

NR REF SOV: 000

OTHER: 010

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ACCESSION NR: AT5C09471

3

enclosure. The high-frequency method described earlier by M. K. Craddock (Basel Conference, 1959) is used for the dissociation. Approximately 100% polarization of protons and approximately 66% polarization of deuterons is possible. Optimum yields of  $4 \times 10^{17}$  atoms per second are obtainable at a pressure 0.25 mm Hg and a frequency of 13.5 Mc. The atomic hydrogen beam is split into components by a quadrupole magnet, the construction of which is described. The atomic beam is ionized in the center of the cyclotron by means of an inverse magnetron, an experimental model of which was built and tested in the laboratory. Work on the method of ionizing the atomic ray is not yet finished. The inverse magnetron was described by Garreta et al. (Nucl. Inst. Methode v. 17 (1962) 123). Orig. art. has: 6 figures, 3 formulas, and 1 table.

ASSOCIATION: Nuclear Research Institute, Czechoslovak Academy of Sciences, Rez.

4/1/55

Card 2/4

MAREK, M., inz.

Direct-current transistor amplifier for control systems. Sdel  
tech ll no.3:106-107 Mr '63.

I: 65053-65 EWT(m)/EPA(w)-2/EWA(m)-2 IJP(c)

ACCESSION NR: AT5009471

Z/0000/64/000/000/0248/0253

AUTHORS: <sup>44, 55</sup> Kult, K.; <sup>44, 55</sup> Bejsovec, V.; <sup>44, 55</sup> Mares, J.; <sup>44, 55</sup> Trejbal, Z.; Marek, M.; Vincour, J.

TITLE: Source of polarized ions for cyclotron

SOURCE: Conference on Low Temperature Physics and Techniques. 3d, Prague, 1963. Physics and techniques of low temperatures; proceedings of the conference. Prague, Publ. House of the Czechosl. Academy of Sciences, 1964, 248-253

TOPIC TAGS: particle accelerator, ion polarization, hydrogen atom reaction

ABSTRACT: The authors describe a source of polarized ions now being built in order to extend the experimental possibilities of the cyclotron of the Nuclear Research Institute of the Czechoslovak Academy of Sciences. A diagram of the source is shown in Fig. 1 of the

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Annular proton synchrotron with ....  
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B111/B1'2

orbits at one and the same point of the magnetic field was  $\pm 5$  mm per revolution. It is noted that this model can be used to study resonances with free oscillations, electron capture into a betatron system, and accumulation of accelerated particles. Yu. A. Chernyshov, A. Grachev and R. N. Fedorov are thanked for assistance. There are 6 figures, table, 9 references: 4 Soviet and 5 non-Soviet. The three most recent references to English-language publications read as follows: Ref. 7: T. Ohkawa, Rev. Sci. Instr., 29, 108, 1956. Ref. 8: F. T. Cole et al., Rev. Sci. Instr., 28, 403, 1957. Ref. 9: K. M. Terwilliger et al., Rev. Sci. Instr., 28, 987, 1957.

SUBMITTED: December 6, 1960

Fig. 1: Cross-sectional view of electromagnet and vacuum chamber.  
Legend: (1) magnet; (2) chamber; (3) principal coils of magnet; (4) yoke coils.

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Annular proton synchrotron with ...

The pulse, which is excessively increased by the "speed up" process, is reduced by a thyratron circuit. A constant value of  $k$  could be attained with a theoretically calculated arrangement of the field coils along the ideal orbit. In addition to the principal coils, a coil was placed at the yoke of each sector, by which the influence of the iron resistance was eliminated.  $k$  and the azimuthal field distribution were measured with induction coils and a ballistic galvanometer. With a few exceptions, the values of  $k$  agreed with theoretical values to within  $\pm 1\%$ . The azimuthal inhomogeneity of the field was never greater than  $\pm 1\%$ . The position of the magnetic surfaces was determined with Permalloy feelers with an error of 0.2 mm. The deviation from the theoretical values was never greater than 0.5 mm. The indication of the beam during the first revolutions (without acceleration) was carried out with screens and coordinate nets in the chamber, and later (with acceleration) with photomultipliers equipped with radially adjustable sets of targets. The measurements showed that the field is strongly affected by the induction and "speed-up" core (e.g., azimuthal inhomogeneity). It was found that under optimum conditions, the upward deviation of the beam from the center of the chamber did not exceed  $\pm 4$  mm, and that the deviation of the equilibrium

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Annular proton synchrotron with ...

Final radius	59 cm
Vertical dimension of the chamber for the initial radius	2 cm
Coefficient k for which $H = H_0 (r/r_0)^k f(\Theta)$	4
Field strength in the initial radius	~ 42 oe
Field strength in the final radius	~ 340 oe
Injection energy	20 - 40 kev
Critical energy (total)	1.12 Mev
Final energy (total)	~ 2 Mev

The frequencies of free particle oscillations were found to be  $v_x \approx 3.1$  and  $v_z \approx 1.8$ , which are lower than the theoretical value. The machine can also be used for studying the behavior of the particle beam and its accumulation. A cross-sectional view of the electromagnet is shown in Fig. 1. A pressure of  $1 - 2 \cdot 10^{-6}$  mm Hg prevailed in the vacuum chamber. The injection system is designed both for pulsed and continuous operation. Acceleration is effected by an electric rotating field of 500 cps and 10 - 25 v per revolution. A special "speed up" system (rotating field of 600 v per revolution) serves for improving the electron-capture efficiency.

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24.6 720  
AUTHORS:

Benda, F., Gabanets, I., Dobiash, I., Zhuravlev, A. A.,  
Karmasin, M., Kotov, V. I., Marek, M., Myns, E. A., Obukhov,  
Yu. L., Petukhov, V. A., Svetov, L. V., Sokhor, V., Fukatko,  
T., and Tsirak, Yu.

TITLE: Annular proton synchrotron with radial sectors

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 10, 1961, 1253-1261

TEXT: This article describes the model of an annular proton synchrotron with radial sectors, built and put into operation at the Ob'yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research).

Technical data:

Number of periodicity elements	8
Azimuthal dimensions of a direct sector	22°30'
Azimuthal dimensions of an inverse sector	7°30'
Azimuthal dimensions of the gap	7°30'
amplification factor	~3
Initial radius	35 cm

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D238/D305

A model of an annular cyclotron

tromagnet of the accelerator consists of eight similar, alternately reserved parts, each of which has two sectors with opposite orientation of the magnetic field, and two straight sections. The accelerator is used for electron acceleration. Electrons with energies of 20-40 kev can be injected either continuously or in pulses. Using a combination of eddy and radio-frequency fields, a beam energy up to 2MEV can be obtained with this model. Preliminary results obtained during test runs have shown the high accuracy of the machine and the great stability of its principal magnetic characteristics. Also, in agreement with the theory, a number of various resonances was observed which have a substantial influence on the intensity of the accelerated beam. There are 2 figures and 7 references: 4 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: K. Symon, Phys. Rev. 98 (1952), 1152; T. Okhawa, Rev. Scient. Instrum. 29, (1958), 108.

Card 2/2

MAREK, M.

9

213100

also 2406, 2606

26850  
Z/038/61/000/004/005/005  
D238/D305

AUTHORS:

Potukhov, V.A., Habanec, J., Zhuravlev, A.A., Karmasin, M.,  
Kotov, V.J., Myae, E.A., Obukhov, J.L., Sochor, V., Cirák,  
J., Banda, P., Dobiáš, J., Marek, M., Fukáček, T., Svetov, L.  
V.

TITLE:

A model of an annular cyclotron

PERIODICAL:

Jaderná energie, no. 4, 1961, 136 - 137

TEXT:

This is a translation of an Russian article entitled "Model' kol'tsevogo fazotrona" (Model of an Annular Cyclotron) originally published in the Soviet periodical "Atomnaya energiya", 9, (1960), no. 12, pp 491-493. It deals with the model of an annular cyclotron which is a fixed-field, alternating-gradient accelerator, built by Soviet and Czechoslovak physicists at the United Institute of Nuclear Research in Dubna. The proposal for an annular cyclotron was made for the first time in 1953 by A.A. Kolomenskiy, V.A. Potukhov and M.S. Rabinovich (Ref 1: Nekotoryye voprosy teorii tsikli-cheskikh uskoritel'nykh (Some Problems of the Theory of Cyclic Accelerators), AN SSSR, 1955; Pribory i tehnika experimenta (1956), no. 2, p. 26). The elec-  
Card 1/2

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3102/8212

21,2000 also 153P

Petukhov, V. I., Gabanets, I., Zhuravlev, A. A., Karasain, M.,  
Kotov, V. I., Meze, E. A., Obukhov, Yu. L., Sokhor, V.,  
Sizak, Yu. S., Benda, F., Dobias, I., Marek, M., Pustko, F.,  
Svetov, L. V.

TITLE: The model of the ring proton synchrotron

PERIODICAL: Atomnaya energiya, v. 9, no. 6, 1960, 491-493

ABST: The ring proton synchrotron which is a powerful focusing  
accelerator with a magnetic field constant with respect to time, has been  
suggested in 1953 by A. A. Kolomenki, V. A. Petukhov, and M.S. Rabinovich  
independently of them, in 1955 by Syron (Phys.Rev. 33, 1152 (1955)).  
The new device seems to be able to produce very intensive accelerated-  
particle beams. A model of this ring synchrotron (with radial sectors)  
has been constructed in the Ob'yedineny Institute Yadernykh Issledovaniy  
(Joint Institute of Nuclear Research). The electromagnet consists of  
eight elements arranged periodically, each of which has a direct and an  
inverse sector; it also has two straight sections. The azimuthal

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3102/8212

The model of the ring...

dimension of the direct sector, which focuses the beam in radial  
direction is  $23^{\circ}30'$ , and that of the inverse sector, which brings about  
vertical focusing, is  $7^{\circ}30'$ . The inverse sectors cause the orbital  
perimeter of the ring synchrotron to be bigger than that of a standard  
directly focusing accelerator. The ratio of the maximum radius of the  
orbit to the minimum radius of curvature is approximately equal to 3. The  
coils generating the field are arranged such that the magnetic field in-  
creases with the radius of the orbit according to  $H = H_0(R/R_0)^4$ , i.e.,  
it increases from 42 oe at  $R = 35$  cm to  $340$  oe at  $R = 59$  cm. The magnet  
exhibits the characteristic that the gap between its poles increases in  
proportion to the gap radius. Therefore, the vertical dimensions of the  
working area will also change from 2 to 4 cm. The increase of all  
geometrical dimensions of the sectors and the constancy of the field  
index  $k$  (the field index of the orbit is equal to 4) bring about a  
dynamic similarity of the orbit, and the frequency of the free oscilla-  
tions will also be constant. The number of betatron oscillations per  
circulation may be varied from 1 to 3 in the vertical direction, and from  
2.5 to 3.5 in the radial direction. The model is especially suited for

Card 2/3

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The model of the ring...

electron acceleration; the injection (of 20-40 kev electrons) may be done  
continuously or in a pulsed manner. The acceleration is done with an  
azimuthal field having a voltage of 10 to 20 v per circulation  
and a frequency of 450-500 cps. The first test results obtained from this  
model showed that it is very sensitive with regard to the accuracy of  
collection and the stability of the principal magnetic characteristics.  
There are 2 figures and 7 references; 3 Soviet-Bloc and 2 non-Bloc.  
The two references to English-language publications read as follows:  
E. Syron, Phys.Rev. 28, 1152 (1955); F. Obkava, Rev.Science Instrum., 23,  
108 (1952).

SUBMITTED: May 20, 1960

Card 3/3

MAREK, M

The economics of road building.

P. 26, (Silnice) Vol. 6, no. 7/8, July/Aug. 1957, Praha, Czechoslovakia

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

5-58-2-20/33

Intervuz Scientific and Methodical Conferences. Problems in Constructing  
Automobile Roads and Bridges

The Section on Bridge Construction paid much attention to new, progressive designs of bridge construction. The methods of computing the structures were more accurately defined and concrete suggestions were submitted for improving the technique. It was proposed that the construction of small bridges of reinforced concrete be standardized and that structures corresponding to the technical conditions of plant manufacture, be used.

The conference decided to establish a coordinating committee at the Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut (State All-Union Scientific-Research Road Institute (SOYUZDORNII) to better the liaison between vuzes and research institutes.

ASSOCIATION: Moskovskiy avtomobil'no-dorozhnyy institut (Moscow Automobile-Roads Institute)  
AVAILABLE: Library of Congress  
Card 3/3

3-58-2-20/33

Intervuz Scientific and Methodical Conferences. Problems in Constructing Automobile Roads and Bridges

(Higher Technical School) in Bratislava submitted information on the construction of automobile roads in Slovakia.

At 9 meetings of the Road Section, problems of improving the technique of geodesic surveys, etc. were discussed. The conference recommended a more effective application of aerial photo survey.

Professor D.P. Velikanov advised the conference on the work carried on at the Institute of Complex Transport Problems of the USSR Academy of Sciences concerning the study of automobile motion under various road conditions. He demonstrated an apparatus for the automatic registration of characteristics of the engine work, speed and automobile control.

N.G. Dombrovskiy, corresponding-member of the Akademiya stroitel'stva i arkhitektury (Building and Architecture Academy) and Professor at the Moskovskiy inzhenerno-stroitel'nyy institut (Moscow Engineering-Construction Institute), informed the conference of the results of investigations, made in 1949-1957, on the work of different type excavators.

Card 2/3



*MAREK, M.*

3-58-2-20/33

AUTHOR: Babkov, V.F., Professor

TITLE: Intervuz Scientific and Methodical Conferences (Mezhduvuzovskiy nauchnyye i metodicheskiye konferentsii). Problems in Constructing Automobile Roads and Bridges (Problema stroitel'stva avtomobil'nykh dorog i mostov)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 2, pp 73 - 74 (USSR)

ABSTRACT: In November 1957, a conference took place at the Moskovskiy avtomobil'no-dorozhnyy institut (Moscow Automobile-Road Institute) on the construction of automobile roads and bridges. The conference was convened by the Ministerstvo vysshego obrazovaniya SSSR (USSR Ministry of Higher Education). Representatives of higher educational institutions, scientific-research and production organizations participated.

V.T. Fedorov, Chief of the Main Administration for Constructing Automobile Roads, attached to the USSR Council of Ministers, delivered a report on "The Development of the Construction and Repair Technique, and the Maintenance of Automobile Roads in the USSR During 40 Years of Soviet Power", and S.V. Yevstafeyev, Deputy Chief of the same administration, on "The Mechanization of Road-Constructing Work".

Card 1/3

M. Marek, Professor of the Vyssheye Tekhnicheskoye Uchilishche (Czechoslovakia)

MAREK, Ludek

Simple mathematical methods may be broadly applied for increasing the production. Podnik organizace 17 no.2:78-81 F '63.

1. Vyzkumny ustav pletarsky, Pisek.

MAREK, Lucjan

Attempted therapy of pulmonary tuberculosis with large doses of  
INH associated with pyridoxine. Gruzlica 28 no.12:961-967 D '60.

1. Z Sanatorium Przeciwgruzliczego M.S.W. w Glucholazach,  
Dyrektor: dr S.Ornowski.  
(ISONIAZID ther)  
(VITAMIN B6 ther)

MAREK, Ladislav

\*\*\*\*\*

Sixtieth birthday of Professor Bedrich Boucek. Cas min geol 9 no.3:  
365 '62.

MAREK, Ladislav, dr.

Some theoretical problems of sublimation drying and its practical prospect. Prum potravin 14 no.9:481-484 S'63

1. Stredisko technickych informaci potravinarskeho prumyslu, Praha.

1. The Administration and Relations of the President of the United States  
 in the Treaty of Commerce, Consular Rights, and Consular Jurisdiction  
 not Given to the States.  
 2. The Administration of the Rules of the Court of Appeals for the  
 Second Circuit.  
 3. The Administration of the Rules of the Court of Appeals for the  
 Second Circuit.  
 4. The Administration of the Rules of the Court of Appeals for the  
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 5. The Administration of the Rules of the Court of Appeals for the  
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 8. The Administration of the Rules of the Court of Appeals for the  
 Second Circuit.  
 9. The Administration of the Rules of the Court of Appeals for the  
 Second Circuit.  
 10. The Administration of the Rules of the Court of Appeals for the  
 Second Circuit.

MARKER, Y.

MARK, Leshaw

"Contribution to the stratigraphy and fauna of the uppermost part of the Hradec Kralove shales in Ashgillian." p. 429. (Sbornik. Vol. 19, 1952. Praha.)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Cong., Feb. 1954. Uncl.

CZECHOSLOVAKIA

MAREK, L.

Prague, Vestník ústředního ústavu geologického, No 4,  
1963, pp 273-276

"Bellerophonid gastropods in the Kocov Beds of  
Bohemia."



MAREK, L.

Brick products of large dimensions and brick blocks.

P. 319, (Stavivo) Vol. 25, no. 7, Aug. 1957, Praha, Czechoslovakia

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

DEVYATOV, A.I., student IV kursa; MAREK, K.Kh., student IV kursa

Computation of Gaussian coordinates in processing the data of  
**second-order triangulation without transferring the measured ele-**  
ments of the network to a plane. *Izvestiya AN SSSR:125-132*  
'61. (MIRA 14:7)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i  
kartografii, geodezicheskiy fakul'tet.  
(Triangulation) (Coordinates)

MAREK, Kalman (Szeged); REICHMANN, Janos (Budapest)

Forum of innovators. Ujit lap 15 no.12:30 25 Je '63.

ZAHORSKI, Witold; KUJAWSKA, Aleksandra; MAREK, Kazimierz;  
ZAWADZKA, Elzbieta; CZYZEWSKA, Krystyna

Relation of the development of pneumoconiosis in welders  
to the environment. Med. pracy 16 no.3:181-186 '65.

1. Z Działu Klinicznego Instytutu Medycyny Pracy w Przemysle  
Węglowym i Hutniczym w Zabrze (Kierownik: prof. dr. W. Zahorski)  
i z Pracowni Gazowej (Kierownik: mgr. E. Zawadzka).

MAREK, Kazimierz

Comparative studies on some methods of non-uniform ventilation. Pol. arch. med. wewnet. 35 no.8:1241-1245 '65.

1. Z. Kliniki Chorob Wewnetrznych i Zawodowych Slaskiej AM i Dzialu Klinicznego Instytutu Medycyny Pracy w Przemysle Weglowym i Hutniczym w Zabrze (Kierownik: prof. dr. med. W. Zahorski).

MAREK, Kazimierz

Analysis of the alveolar air at rest and after an effort in patients with silicosis and other chronic respiratory diseases. Pol. arch. med. wewnet. 34 no.11:1431-1435 '64

1. Z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej Akademii Medycznej i Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym w Zabrze-Rokitnicy (Kierownik: prof. dr. med. W. Zahorski).

POLAND

MAREK, Kazimierz, BUCZKOWSKI, Mieczyslaw, and KOSSMANN, Stefan; Clinic of Internal and Occupational Diseases (Klinika Chorob Wewnetrznych i Zawodowych), Sl.AM [Slaska Akademia Medyczna, Silesian Medical Academy] in Zabrze (Director: Prof. Dr. Witold ZAHORSKI)

"Comparative Analysis of Various Methods for Calculating Maximum Expiration Curve."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 33, 12 Aug 63, pp 1215-1217

Abstract: [Authors' English summary modified] Authors calculated for 75 patients with respiratory diseases the percentage of Force Expiratory Volume ( $FEV_{1\%}$ ), percentage index of Due Force Expiratory Volume (due  $FEV_{1\%}$ ), Index of Vital Capacity (IVC), Residual Volume (RV), and studied the correlation between the above indexes and Residual Volume, as well as Total Lung Capacity (TLC). They found the closest correlation between the RV/TLC index and the IVK index, and conclude that the IVK is the best way of presenting the maximum expiration curve. There are 8 references: one each Soviet, Czech, and English, 3 Polish, and 2 German.

1/1

ZAHORSKI, Witold; KUJAWSKA, Aleksandra; MAREK, Kazimierz

Respiratory function test in pulmonary silicosis. Pol. arch. med.  
wewnet. 32 no.6:605-611 '62.

1. Z II Kliniki Chorob Wewnętrznych Sl. AM i z Działu Klinicznego  
Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym w Zabrze  
Kierownik: prof. dr med. W. Zahorski.

(SILICOSIS diag)

(RESPIRATION physiol)



MAREK, Kazimierz

Disorders in the composition of alveolar in silicosis, pulmonary emphysema and bronchitis. Pol. arch. med. wewnet. 32 no.6:565-568 '62.

1. Z II Kliniki Chorob Wewnętrznych Sl. AM i Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym w Zabrze—  
Rokitnicy Kierownik: prof. dr med. W. Zahorski.  
(RESPIRATION physiol) (SILICOSIS physiol)  
(BRONCHITIS physiol) (PULMONARY EMPHYSEMA physiol)

MAREK, Kazimierz; WAZNA-BOGUNSKA, Czeslawa

A case of primary pulmonary hypertension. *Polskie arch. med. wewn.*  
32 no.5:509-518 '62.

1. Z II Kliniki Chorob Wewnętrznych Sz. AM. Kierownik: prof. dr  
med. W. Zahorski i z Zakładu Anatomii Patologicznej Sz. AM. Kierownik:  
prof. dr med. W. Niepolomski.  
(HYPERTENSION PULMONARY case reports)

MAREK, Kazimierz

Our modification of the method of Haldane and Fristley in determining the composition of the alveolar air. Pol. arch. med. wewnet. 32 no.1: 55-57 '62.

1. Z II Kliniki Chorob Wewnętrznych Sl. AM i Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym Kierownik: prof. dr med. W. Zahorski.

(RESPIRATION)

MAREK, Kazimierz, doc. dr.

Salmonelloses in poultry in Poland. Zesz probl post nauk roln  
no.33:129-141 '61.

1. Zaklad Chorob Drobiu, Instytut Weterynarii, Pulawy  
Kierownik: doc. dr. K. Marek

MAREK, Kazimiera, dr.

The modified Carter's chicken embryo vaccine against fowl cholera. Zesz probl post nauk roln no.33:43-47 '61.

1. Instytut Weterynarii, Pulawy

MAREK, Kazimierz (Doc. Dr.)  
SURNAME, Given Names

(2)

Country: Poland

Academic Degrees:

Affiliation:

Source:

Data:

Department of Poultry Diseases, Veterinary Institute (Zaklad Chorob Drobiu, Instytut Weterynarii), Pulawy; Director (Kierownik): Doc Dr Kazimierz Marek  
Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961, pp 577-579  
"Studies of the Immunizing Value of Vaccine F Against Newcastle Disease Virus Administered to the Respiratory System."

Authors:

MAREK, Kazimierz, Doc Dr  
RASZEWSKA, Helena [Academic Degrees not given]  
BORZEMSKA, Wanda [Academic Degrees not given]

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MAREK, KAZIMIERZ

SURNAME, Given Names

Country: Poland

Academic Degrees:

Affiliation:

Source: Warsaw, Medycyna Weterynarna, Vol XVII, No 8, August 1961,  
pp 463-466.

Data: "Activity of the Lyophilized Strain F<sub>107</sub> of the Newcastle Disease  
Virus at Various Temperatures."

Authors:

BORZEMSKA, Wanda.

MAREK, Kazimierz, Docent dr., Director of the Department of Poultry  
Diseases (Zaklad Chorob Drobiu), Veterinary Research Institute  
(Instytut Weterynarii), Pulawy

TWARDOWSKI, Krzysztof, Magister, Director of the Branch Testing  
Laboratory (Branzowa Laboratorium Badawcze) of the Poultry and  
Egg Industry (Przemysl Jajowy-Drobiarski), Poznan.

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MAREK, K.; RASZEWSKA, H. (Wroclaw)

Oral vaccination of chickens against the Newcastle disease with F<sub>107</sub>  
strain administered through the drinking water; second report.  
Rocz nauk roln wet 70 no.1/4:231 '60. (EEAI 10:9)

(Poultry) (Vaccines and vaccination) (Newcastle disease)  
(Antigens and antibodies) (Drinking water)



MAHEK, Kazimierz

Spirometric studies on pulmonary capacity. Report V. Pulmonary capacity in miners without silicotic changes. Polski tygod. lek 15 no.11:380-381 14 Mr '60:  
(MINING)  
(SPIROMETRY)

MAREK, Kazimierz; KOSMIDER, Stanislaw

Carbonic anhydrase activity of the erythrocytes in acute radiation sickness in rabbits. Arch.immun.ter.dosw. 8 no.3:513-517 '60.

1. II Klinika Chorob Wewnętrznych Śląskiej Akademii Medycznej  
w Zabrze Dział Kliniczny Instytutu Medycyny Pracy w Przemysle  
Górnictwym i Hutniczym w Zabrze  
(RADIATION INJURY blood)  
(ERYTHROCYTES chem)  
(CARBONIC ANHYDRASE blood)

SROCZYNSKI, Jan; GOBSKI, Jamsz; MAREK, Kazimierz

A case of myocardial infarction in a 27-year-old male. Polskie arch.  
med.wewnetrz. 29 no.12: 1677-1683 '59.

1. Z II Kliniki Chorob Wewnetrznych Sl. A.M. Kierownik: prof. dr.  
med. W. Zahorski.

(MYOCARDIAL INFARCT case reports)

MAREK, Kazimierz

Spirometric studies on capacity of the lung. IV. Possibility of the evaluation of functional disorders and the extent of fibrosis in silicosis. Polski tygod. lek. 14 no.25:1137-1141 22 June 59.

1. (Z II Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej i Działu Klinicznego Instytutu Medycyny Pracy w Przemyśle Węglowym i Hutniczym w Zabrze; kierownik: prof. dr med. Witold Zahorski)  
(SPIROMETRY) (SILICOSIS, physiol.)

MAREK, Kazimierz

Spirometric studies on lung capacity. III. Effect of silicotic fibrosis on the size of lung capacity. Polski tygod. lek. 14 no.24: 1089-1092 15 June 59.

1. (Z II Kliniki Chorob Wewnętrznych Sl. A.M. i Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Gorniczym.  
(SILICOSIS, physiology) (SPIROMETRY)

MAREK, Kazimierz

Spirometric lung capacity tests. II. Possibilities for early diagnosis of emphysema by measurement of the residual air. Polski tygod. lek. 13 no.48:1905-1908 1 Dec 58.

1. (Z II Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej w Zabrze i Z Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Gorniczym i Hutniczym; kierownik: prof. dr med. Witold Zahorski) Zabrze, ul. 3-Maja 13. II Klin. Chor. Wewn. A. M.

(EMPHYSEMA, PULMONARY, diag.

determ. of residual air in early diag. (Pol))

MAREK, Kazimierz (Zabrze, ul. 3 Maja 13.)

Spirometric lung capacity test. I. Results of determination of the residual air in healthy persons by the closed circuit method with the use of hydrogen. Polski tygod. lek. 13 no.46:1809-1815 17 Nov 58.

1. Z II Kliniki Chorob Wewnętrznych Śląskiej A.M. i Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym; kierownik: prof. dr med. Witold Zahorski.

(RESPIRATION, funct. tests

determ. of residual air by closed circuit method using hydrogen (Pol))

MARK, Kazimierz, (Zabrze, ul. 3-Maja 13. II Klin. Chor. Wewn Sl. A. M.)

~~MARK, Kazimierz~~  
Blood sugar natural conditioned reflex changes in normal conditions and in diabetes mellitus. Polski tygod. lek. 12 no.21:783-787 20 May 57.

1. Z II Kliniki Chorob Wewnetrznych Sl. A. M.; kierownik; prof. dr. med. Witold Zahorski.

(BLOOD SUGAR,

conditioned reflex changes in normal cond. & in diabetes mellitus (Pol))

(DIABETES MELLITUS, physiology,

blood sugar conditioned reflex changes (Pol))

(REFLEX, CONDITIONED,

conditioned blood sugar changes in normal cond. & in diabetes mellitus (Pol))



POLAND / Farm Animals. Domestic Fowls

Q-6

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12193

Author : Marek Kazimierz

inst :

Title : The Raising of Chickens on a Thick Litter (Vyrashchivaniye kur na glubokoy podstilke)

Orig Pub: Przegl. jajcz.-drob., 1957, 5, No 5, 16-17

Abstract: No abstract.

Card 1/1

MAREK, K.

More important diseases occurring in young birds. p. 247. (MEDYCYNA WETERYNARYJNA.  
Vol. 9, no. 6, June 1953

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

MAREK, K.; VACEK, J.

"Distribution of Klabava Slate in the Northwestern Part of the Barrandien".  
p. 89, (KARTOGRAFICKY PŘEHLED, Vol. 29, No. 2, 1954, Praha Czechoslovakia)

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

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their Application. Chemical Wood Products. Hydrolysis Industry. H-24

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17074

Author : Marok, K.

Inst : Not given

Title : Separation of Xylose from Hydrolyzed Mixtures After the Hydrolysis of Beech Wood Pulp Diluted with Hydrochloric Acid

Orig Pub : Sbor. Vysoko skoly zemed. a Lesn. Brno, 1957, C, No 4, 229-244

Abstract : The most suitable purification methods found were: The electrolytic and precipitation with lead acetate. The former method permits the removal of all of the acid with an insignificant loss of xylose. The second method may be employed for the separation of pentose in the hydrolysis of various vegetable substances.

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