

L 23930-66

ACC NR: AP6013005

optical and electron microscopes. It was determined that structural changes do not actually influence the strength characteristics. However, creep tests revealed differences in endurance. The differences in creep characteristics are attributed to structural changes. Lujza Acs is credited for her help with the microscopic tests. Orig. art. has: 10 figures. [KS]

SUB CODE: 13/

SUBM DATE: none

OTH REF: 006/

Tubing Steel 18

Card 2/2 BK

LEHOFER, Kornel, okl. gepeszmernok

Experiences with the metallographic tests of fatigue breakages. Gep 13
no.5:188-194 My '61.

1. "Csepel" Vas- es Fennuvek Kozp. Anyagvizsgalo, Budapest.

LEHOFER, Kornel, okl. gepeszmernok

Correlation between the aluminum content soluble in acids
and the tendency to hot-shortness of steel castings. Koh lap
95 no.3: Supplement: Ontode 13 no.3: 59-66 Mr '62.

1. Csepel Vas- es Fennuvek Kozponti Anuagvizsgalo, Budapest,

LEHOTAI, L.

HUNGARY/Optics - Spectroscopy

K-7

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 16699

Author : Czaszar J., Horvath E., Lehotai L.

Inst : Not Given

Title : Mechanism of Absorption of Light by the Complexes of Cr^{3+} , Mn^{2+} , Co^{2+} , Ni^{2+} , Cu^{2+} , Zn^{2+} with Dipyridyl and o-phenantroline.

Orig Pub : Acta phys. et chem. Szeged, 1956, 2, No 1-4, 49-55

Abstract : The absorption spectra of the complexes of ions of Cr (III), Mn (II), Fe (II), Co (II), Ni (II), Cu (II), Zn (II) with $\text{C}_{10}\text{H}_8\text{N}_2$ -dipyridyl and o-phenantroline were measured in the region from 210 to 2,000 millimicrons. In all cases, the absorption bands obtained are explained in terms of the previously developed theory of the splitting of the terms for ionic and covalent complexes (Referat Zhur Fizika, 1957, No 12, 31581). The double complex of Ni (II), which is diamagnetic in the crystalline state manifests itself as a paramagnetic substance. The absorption bands d (region 350-525 millimicrons) of the complex merge with the short-wave absorption bands b

Card : 1/2

HUNGARY/Optics - Spectroscopy

K-7

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 16699

of the same ion of the metal (region 385 to 1750 millimicrons); and the latter are as a rule washed out and appear in the form of steps on the absorption curves.

Card : 2/2

75

LEHOTAI, L.
HUNGARY/Optics Spectroscopy

K-7

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 9383

Author : Czaszar, J., Balog, J., Lehotai, L.
Inst : University of Szeged, Hungary
Title : On the Absorption of Light by Coordination-Saturated Chlorocomplexes.

Orig Pub : Acta phys. et chem. Szeged, 1956, 2, No 1-4, 56-61

Abstract : Extension curves are obtained for the coordination-saturated chlorocomplexes of Ti, Cr, Mn, Fe, Os, Pb, Ph, Co, Re, Ni, Pd, Ag, and Cu ions in 11.4 M HCl at room temperature. It is established that the theory of the splitting of the terms is suitable for given complex compounds in that the symmetry O_h is observed rather rarely even in these simple cases.

Card : 1/1

LEHOTAI, L.
HUNGARY/Optics Spectroscopy
"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929120

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 11895

Author : Szepesy G. L., Csaoczar J., Lehotai, L.
Inst : University, Szeged, Hungary
Title : Studies on the Light Absorption of Water-Alcoholic Solutions in the Near Infrared Spectrum Range

Orig Pub : Acta phys. et chem. Szeged, 1956, 2, No 1-4, 149-158

Abstract : The authors have investigated the influence of alcohol (I), LiCl (II), CsCl (III), and $Mn(ClO_4)_2$ (IV) on the absorption of water in the 0.9 to 1.3 micron range, and the effect of (IV) was studied in water-alcoholic solutions. An examination of the experimental data makes it possible to assume that the interaction between the molecules of the alcohol in the water is greater than between molecules of the same kind. It is therefore concluded that the quasi-crystalline structure of the water is disturbed not only by ions but also by molecules, which are capable of entering into association with the molecules of the water. The determined values of the molecular coefficients of quenching for aqueous solutions

Card : 1/2

LEHOTAI, LAJOS

HUNGARY/Physical Chemistry - Molecule, Chemical Bond.

B-4

Abs Jour : Ref Zhur - Khimiya, No 5, 1958, 13500

Author : Arpad Kiss, Jozsef Csaszar, Lajos Lehotai.

Inst : Academy of Sciences of Hungary

Title : Mechanism of Light Absorption by Complex Compounds of Trivalent Cobalt.

Orig Pub : Magyar tud. akad. Kem . tud . oszt. kozl., 1956, 8, No 1, 59-66

Abstract : The ultraviolet absorption spectra of various complex Co^{3+} compound bidistillate solutions at room temperature were studied. Notwithstanding the absence of unpaired d-electrons (diamagnet complexes), the presence of b-bands of splitting terms was revealed. It is assumed that the anomalous light absorption takes place in consequence of the influence of the solvent force field on

Card 1/2

HUNGARY/Physical Chemistry - Molecule, Chemical Bond.

B-4

Abs Jour : Ref Zhur - Khimiya, No 5, 1958, 13500

the central complex ion.

Card 2/2

LEHOTAI, LAJOS

HUNGARY/Physical Chemistry - Molecule, Chemical Bond.

B-4

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 23848

Author : Kiss Arpad, Csaszar Jozsef, Lehotai Lajos

Inst : -

Title : Absorption of Light by Complex Compounds of Acetyl Acetone

Orig Pub : Magyar tud. akad. Kem. tud. oszt. kozl., 1956, 8, No 1,
149-155

Abstract : A study of absorption spectra of complex compounds of acetyl acetone (I) with different metals. In spectra of complexes of I with metals having a filled outer electron shell, appear, in addition to the I band, d and f bands of electron transitions, which is in accord with the theory (RZhKhim, 1958, 10300). In complexes of I with transition metals, appear, in addition to the above-mentioned bands, b bands corresponding to D_{4h} symmetry, which proves the electrostatic nature of the complex bond. Diamagnetic

Card 1/2

3

HUNGARY/Physical Chemistry - Molecule, Chemical Bond.

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 23848

complex of I with Co^{3+} shows an anomalous absorption picture since there appear b bands corresponding to splitting of terms.

Card 2/2

LEHOTAI, L.

HUNGARY / Physical Chemistry--Molecule.
Chemical bond.

B-4

Abs Jour : Referat Zhur--Khimiya, No. 11, 1959, 37611

Author : Kiss, A.; Csaszar, J.; and Lehotai, L.

Inst : Hungarian Academy of Sciences

Title : On the Mechanism of Light Absorption in Cyano-
complexes.

Orig Pub : Magyar Tud Akad Kem Tud Oszt Koezl, 9, No. 3,
281-291 (1957) (in Hungarian)

Abstract : The theory of light absorption by covalent com-
pounds, particularly by the cyanocomplexes of the
transition metals, is discussed. From a summary
by the authors.

Card 1/1

LEHOTAI, L.

HUNGARY/Optics - Spectroscopy

K-7

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 16703

Author : Kiss A., Dsaszar J., Lehotai L.

Inst : The University, Szeged, Hungary

Title : On the Mechanism of Light Absorption of Complexes of Tri-valent Cobalt.

Orig Pub : Acta chim. Acad. sci. hung., 1957, 12, No 1, 73-81

Abstract : A detailed study was made of the anomalous absorption of light by diamagnetic complexes of Co^{3+} in the region from 200 to 2000 millimicrons (Referat Zhur Fizika, 1957, No 12, 31581). The appearance of absorption bands of the terms is usually attributed to the filling of the d-orbit of the cobalt ion by the binding electrons. All the bands of the absorption curve could be related to the proposed processes of excitation. All curves disclosed partially overlapping bands of term splitting, electron-jump bands, and bands belonging to the intrinsic absorption of the bound radicals.

Card : 1/1

LEHOTAI, Lajos (Szeged)

Distribution of absorption curves into fractional bands by means of the method of reductant dispersion. Kem tud kozl MTA 14 no.3: 261-270 '60. (EEAI 10:9)

1. Tudományegyetem Általános és Fizikai-Kémiai Tanszéke, Szeged.

(Absorption) (Electrons) (Nickel) (Perchlorates)
(Spectrum analysis)

LEHOTAI, Lajos (Szeged)

Calculation of the absorption curves of the nickel(II) ethylenediamine complex compounds. Kem tud kozl MTA 13 no.4:383-391 '60. (EEAI 9:12)

1. Tudományegyetem Általános és Fizikai-Kémiai Intézete, Szeged.
(Absorption)
(Nickel ethylenediamine)
(Complex compounds)

LEHOTAI, L.

3
TJW

7

✓ Calculation of the absorption curves of complex compounds of nickel(II) ethylenediamine. L. Lehotai (Univ. Szeged, Hung.). *Acta Chim. Acad. Sci. Hung.* 22, 275-84 (1960) (in German).—The absorption curves from 300 to 1500 m μ of Ni(H₂O)₆⁺⁺, Ni en(H₂O)₄⁺⁺, Ni en₂(H₂O)₂⁺⁺, and Ni en₃⁺⁺ in aq. solns. were calcd. by the use of equil. consts., and were detd. for various en/Ni ratios. The theory of term splitting was found to be applicable to these complexes and indicated that the complexes have a O_h symmetry, that it is possible to calc. the δ -bands, and that further perturbation calcns. are necessary to explain the causes of the 730-m μ max. Lloyd Kahn

LAKOS, Antal; LEHOTAI, Lajos

Determination of serum iron content by means of ascorbic acid reduction. Kiserletes Orvostud. 12 no.6:661-663 D '60.

1. Orvostudományi Egyetem II. sz. Belklinikája, Szeged.
(IRON blood)
(VITAMIN C pharmacol)

SZABO, R.; SEBOK, ZS.; LEHOTAI, L.

Effect of tissue hormones on the lipolytic activity of heart
extracts. Kiserl. orvostud. 16 no.2:167-173 Ap'64

1. Szegedi Orvostudományi Egyetem II. Belklinikája.

*

SZABO, Rezsó, dr.; LEHOTAI, Lajos, dr.; SEBOK, Zsuzsa, dr.

Determination of the excretion of 3-methoxy-4-hydroxy-mandelic acid using paper chromatography. Orv. hetil. 105 no.31:1468-1470 2 Ag '64.

1. Szegedi Orvostudományi Egyetem, II. Belklinika (igazgató: Foldi Mihály dr.).

HUNGARY

LAKOS, A., JAKI, A., LEHOTAI, L.; Medical University of Szeged, II. Medical Clinic and Institute of Biochemistry (Szegedi Orvostudományi Egyetem, II. sz. Belklinika és Biokémiai Intézet).

"UV Absorption Spectrophotometric Study of the Cerebrospinal Fluid."
Budapest, Ideggógyászati Szemle, Vol XIX, No 7, Jul 66, pages 208-218.

Abstract: [Authors' Hungarian summary] Among the compounds present in the fluid, ascorbic acid plays a decisive role in the development of the characteristic spectrogram (interference curve) of the cerebrospinal fluid, taken in the UV range. 3 Eastern European, 49 Western references.

LEHOTAN, O.

Examination of silicotics with special reference to oxygen deficiency. Pracovni lek. 2 no.2:61-63 15 May 50. (CIML 20:4)

1. Of the First Internal Clinic, Slovak University (Head--Prof. L.Derer, M.D.).

LEHOTAN

LEHOTAN O.

Vplyv horucky na alergicku precitlivenost; (experimentálny
vyskum vplyvu horucky na alergicke stavy). [Effect of fever on
allergic hypersensitivity; experimental data on the effect of
fever on allergic states/ Bratisl. lek. listy 31:1-2 1951
p. 38-51.

1. Of the First Internal Clinic of the Institute of Pharmacology of the Medical Faculty of Slovak University, Bratislava.

LEHOTIAN G. I. Intern. Klin., SU, Bratislava. *Priserna s lehotička neotropnia
Náčena s lehotičkou. The treatment of neotropnia, due to...
s lehotičkou BRATISLAVSKÉ LEVARS. LIMI. 1953, 33/4-7 (157*60)
(5395)

SO: Excerpta Medica, Vol. 8, No. 8, Sect. VI, August, 1954

KLEIN, Fr.; DORNETZHUBER, Vlad.; LEHOTAN, O.

Panmyelosis. Cas. lek. cesk. 44 no.36:973-978 2 Sept 55.

1. Z patologicke-anatomickeho ustavu (prednosta prof. Dr. Frant. Klein) a z I. insternei kliniky SU (prednosta prof. Dr. Lad. Derer) v Bratislave.
(BONE MARROW, diseases
panmyelosis.)

LEHOTAN, O.; HASIK, A.; PECHAN, I.; MARKO, P.

The mechanism of the anaphylactic reaction of the actomyosin fiber. Bratisl. lek. listy 45 no.9:523-533 15 My'65.

1. Katedra internej mediciny I. Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci: prof. MUDr. M. Ondrejicka); Katedra experimentalnej patologie a farmakologie Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci: doc. MUDr. E. Barta, CSc.) a Katedra biochemie Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci: doc. MUDr. T. Tursky, CSc.).

LEHOTAN, O.; HASIK, A.

The effect of hyperthermia on the anaphylactic reaction of the actomyosin fiber. Bratisl. lek. listy 45 no.10:585-592
31 My'65.

1. Katedra internej mediciny I v Bratislave (veduci:prof. MUDr. M. Ondrejicka); Katedra experimentalnej patologie a farmakologie v Bratislave (veduci: doc. MUDr. E. Barta, CSc.).

LEHOTAY, LAJOS

15 4

(Drying oils from mineral oils. József Hires and Lajos
Lehotay. (Tudományos Közlemények) Magyar Kém. Polymert 65, 49-50
1963; Szeged, Hung.). Magyar Kém. Polymert 65, 49-50
 (1963). Drying oils were prepd. from mineral oils by halo-
 gen (preferably Cl) substitution and subsequent hydrogen-
 halogen removal. The mineral oil fractions used were those
 contg. C-chains of such a length as found in drying oils of
 vegetable origin (b.p. 220-60°), sp. gr. at 20° 0.83, and av.
 mol. wt. 170-80). Aromatic compts. were removed by
 alternating acid and alk. washing. The chlorination was
 done at 163-16° by a $MnCl_2 \cdot FeCl_3$ catalyzt. under atm.
 pressure for 8 hrs.; it was completed when the product
 reached a sp. gr. of 1.145 at 20° (av. mol. wt. 275-90).
 The product was dehalogenated and simultaneously poly-
 merized by stirring at 250-300° in the presence of Zn-powder
 catalyzt until all HCl was removed. The dehalogenated
 material contains 3 double bonds per paraffin mol., has an
 av. mol. wt. of 750-820, and dries at room temp. and atm.
 pressure within 2 days. The potentially corrosive $ZnCl_2$
 and $FeCl_3$ was removed by sedimentation. L. G. Arvat

98

LEHOTAYOVA-DANIHELOVA, R.

"Microfauna of the Tortonian of Eastern Slovakia."

p.414 (Vestnik, Vol. 32, no. 6, 1957, Praha, Czechoslovakia)

Monthly Index of East European Accession (PEAI) LC, Vol. 7, No. 8, August 1958

LEHOTCZKY, Gy., Dr., Budapest

Considerations on methods of the treatment of external genitalia.
Cesk. gyn. 21 no.3:175-176 Apr 56.

(VULVA, neoplasms,
ther. (Gz))

LEHOTCZKY, Gy., Dr., (Budapest)

Considerations on actinotherapy of carcinoma portionis. Cesk.
gyn. 21 no.3:169 Apr 56.

(CERVIX, UTERINE, therapy,
x-rays (Cz))
(RADIOTHERAPY, in various diseases,
cancer of cervix. (Cz))

LEHETS, LAJOS.

Distr: 4E3d/4E2c(j) 21

The mechanism of the absorption of light by cyanato complexes/ Arpad I. Kiss, Jozsef Császár, and Lajos Lehetsi. (Univ. Szeged, Hung.). *Acta Chim. Acad. Sci. Hung.* 14, 225-36 (1958) (in German). — Evidence is presented which confirms the assumption that the no. and position of absorption bands of complexes in soln. depends on the no. of unpaired *d*-electrons present. Tables representing the expected term cleavage for complexes with the exptl. data. The types of bands which occur allow the type of complex (i.e. inner or outer orbital) to be inferred. The results are related to the electron-transfer reactions and their relative case of occurrence. Mark M. Jones

6
2-May
2

JJ

LEHOTSKY, Pavol; NAGY, Vojtech

Production of woodfibreboard by dry process in our country and
abroad. Drevo 17 no.3:65-71 Mr '62.

1. Statny drevarsky vyskumny ustav.

LEHOTSKY, Pavol; NAGY, Vojtech

Production of wood-fiberboards by dry process. Drevo 18 no.2:43-
51 F '63.

1. Statny drevarsky vyskumny ustav.

ADAM, G.; MESZAROS, I.; LEHOTZKY, K.; NAGY, K.

The role of the limbic cortex in visceral afferentation. Kiserletes
orvostud. 10 no.4:411-415 Aug 58.

1. Budapesti Orvostudományi Egyetem Elettani Intezete.

(CEREBRAL CORTEX, physiol.

role of limbic cortex in visceral afferent mechanisms of
autonomic NS (Hun))

(AUTONOMIC NERVOUS SYSTEM, physiol.
name)

LEHOTZKY, K.

ADAM, G.; MESZAROS, I.; LEHOTZKY, K.; HAGY, K.

The role of the limbic cortex in visceral afferentation. Acta physiol. hung. 14 no.2:135-139 1958.

1. Institute of Physiology, Medical University, Budapest.
(BRAIN, physiol.
limbic system, role in visceral afferentation)

LEHOTZHY, K.

"Assurance of Communications on Public Roads During Winter", P. 356,
(KOZLEKEDESTUDOMANYI SZEMLE, Vol. 3, No. 10, Oct. 1953, Budapest,
Hungary)

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

LEHOTZKY, K.

Melyepitestudományi Szemle - Vol. 5, no. 4/5, Apr./May 1955.

Road construction. p. 195.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

LEHOTZKY, K.

Factors in highway engineering affecting the economic character of transportation. p. 4. KOZLEKEDESTUDOMANYI SZEMLE. (Kozlekedesi Kiado) Budapest. Vol. 6, No. 1, Jan. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 6, June 1956

LEHOTZKY, K.

Development in construction of concrete highways in Hungary, p. 302,
MELYEPITESTUDOMANYI SZEMLE. (Kozlekedesi Kiado) Budapest, Vol. 6,
No. 7/8, July/Aug. 1956

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

LEHOTZKY, K.

Modern illumination of highways. p. 426.
(Kozlekedestudományi Szemle, Vol. 6, no. 11/12, Nov./Dec. 1956.
Budapest, Hungary)

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

IEHOTZKY, K.

Use of porous concrete in road construction.

p. 214 (Helyepitestudományi Szemle. Vol. 7, no. 5/6, May/June 1957. Budapest, Hungary)

Monthly Index of East European Accessions (EEI) LC. Vol. 7, no. 2, February 1958

LEHOTZKY, K.

Methods of pre-estimation of highway traffic. p. 113.

KOZLEKEDESTUDOMANYI SZENLE. (Kozlekedes-es Kozlekedesepitestudományi Egyesület)
Budapest, Hungary, Vol. 9, No. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959.
UNCL

LEHOTZKY, K.

Creating stops for mass-transportation vehicles of public-service character.
p. 227.

KOZLEKEDESTUDOMANYI SZEMLE. (Kozlekedes- es Kozlekedesepitestudomanyi
Egyesulet) Budapest, Hungary, Vol. 9, no. 5/6, May/June 1959.

Monthly list of East European Accessions (EEAT), IC, Vol. 8, No. 3,
August 1959.
Uncla.

LEHOTZKY, K.

Addendum to the article "Modern Roadway Structures." p. 288.

MELYEPITESTUDOMANYI SZEMLE. (Kozlekedes- es Kozlekedesepitestudomanyi Egyesulet) Budapest, Hungary, Vol. 9, no. 6, June 1959.

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

LEHOTZKY, K.

Transportation and city planning. p. 551.

KOZLEKEDESTUDOMANYI SZEMLE. Budapest, Hungary. Vol. 9, no. 11, Nov. 1959.

Monthly List of East European Accessions (MEAT), LC, Vol. ~~65~~ 66, no. 2, 1960, Feb.
Uncl.

LEHOTZKY, Kalman

~~Pre-estimation of the development of highway traffic. Musz elet 15~~
no.8:15 Ap '60. (EBAI 9:8)
(Hungary--Traffic engineering)

ADAM, G.; MÉSZAPOS, I.; LEHOTZKY, Kornelia; NAGY, A.; RAJK, A.

On the role of the brain stem activation system in the conditioning to visceral stimulation. Acta physiol.hung. 18 no.2:143-147 '60.

1. Institute of Physiology, Medical University, Budapest.
(BRAIN STEM physiol)
(REFLEX CONDITIONED)
(INTESTINE SMALL physiol)

LEHOTZKY, Kalman

Comprehensive study of urban road network junctions. Közleked tud sz
11 no.11:511-522 N '61.

LEHOTZKY, Kalman, okleveles mernok

How is an up-to-date road built? Elet tud 15 no.5:151-154
31 Ja '60.

LEHOTZKY, Kalman

Agricultural roads. Magy ep ip ll no.8:372-377 '62.

HUNGARY

LEHOTZKY, Kornelia, MESZAROS, Istvan, and TARDOS, Laszlo, of the Pharmacological Laboratory at Chinoin Pharmaceutical Works and Institute for Biology at the Medical University (Chinoin Gyogyszergyar Farmakologiai Laboratoriuma and Orvostudomanyi Egyetem Elottani Intezete); both in Budapest.

"Central Nervous Effect of Antidiabetic Sulfonylurea Compounds"

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol 23, No 2, 1963, pp. 219-223.

Abstract: [English article; authors' English summary] The central nervous changes caused by toxic doses of tolbutamide have been studied by recording the electro-cardiogram in cats. The intravenous injection of tolbutamide has been found to give rise to strychnine-like convulsions, extending over the entire cortex. Six references, including 1 Hungarian, 1 Russian, and 4 Western.

1/1

LEHOTZKY, Kornelia; MEZSAROS, I.; TARDOS, L.

Central nervous effect of antidiabetic sulphonylurea compounds.
Acta physiol. acad. sci. hung. 23 no.2:219-223 '63.

1. Pharmacological Laboratory, Chingin Pharmaceutical Works,
and Institute of Physiology, Medical University, Budapest.
(TOLBUTAMIDE) (CENTRAL NERVOUS SYSTEM) (STRYCHNINE)
(ELECTROENCEPHALOGRAPHY) (RETICULAR FORMATION) (INSULIN)
(HYPOGLYCEMIA) (CONVULSIONS) (ANTIDIABETICS)

HUNGARY

MESZAROS, Istvan, LEHOTZKY, Kornelia, ADAM, Gyorgy; Medical University of Budapest, Institute of Physiology (Budapesti Orvostudományi Egyetem, Elettani Intézet).

"Differential Inhibition of Interoceptive Conditioned Arousal."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIII, No 4, 1963, pages 347-353.

Abstract: [English article, authors' English summary] Differential inhibition of the conditioned interoceptive arousal reaction has been studied in dogs with double intestinal or ureteral fistula. It has been found that, if the mechanical stimulation of the wall of one intestinal segment is associated with a reticular stimulus causing arousal, and the stimulation of the other intestinal segment is not followed by reinforcement, a differentiation of the conditioned arousal develops. No differential inhibition develops to the stretching of the two renal pelvis. On the basis of the evidence gathered, conclusions are drawn as to the central representation of non-symmetrical and symmetrical visceral afferentation. 2 Western, 6 Eastern European references.

1/1

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MESZAROS, I.; LEHOTZKY, Kornelia; ADAM, G.

Differential inhibition of interoceptive conditioned arousal.
Acta physiol. acad. sci. hung. 23 no.4:347-353 '63.

1. Institute of Physiology, Medical University, Budapest.
(INTESTINAL FISTULA) (URINARY FISTULA)
(BRAIN ELECTROPHYSIOLOGY)
(ELECTROENCEPHALOGRAPHY)
(REFLEX, CONDITIONED)
(RETICULAR FORMATION)

LEHOTZKY, Kalman, fototechnológus

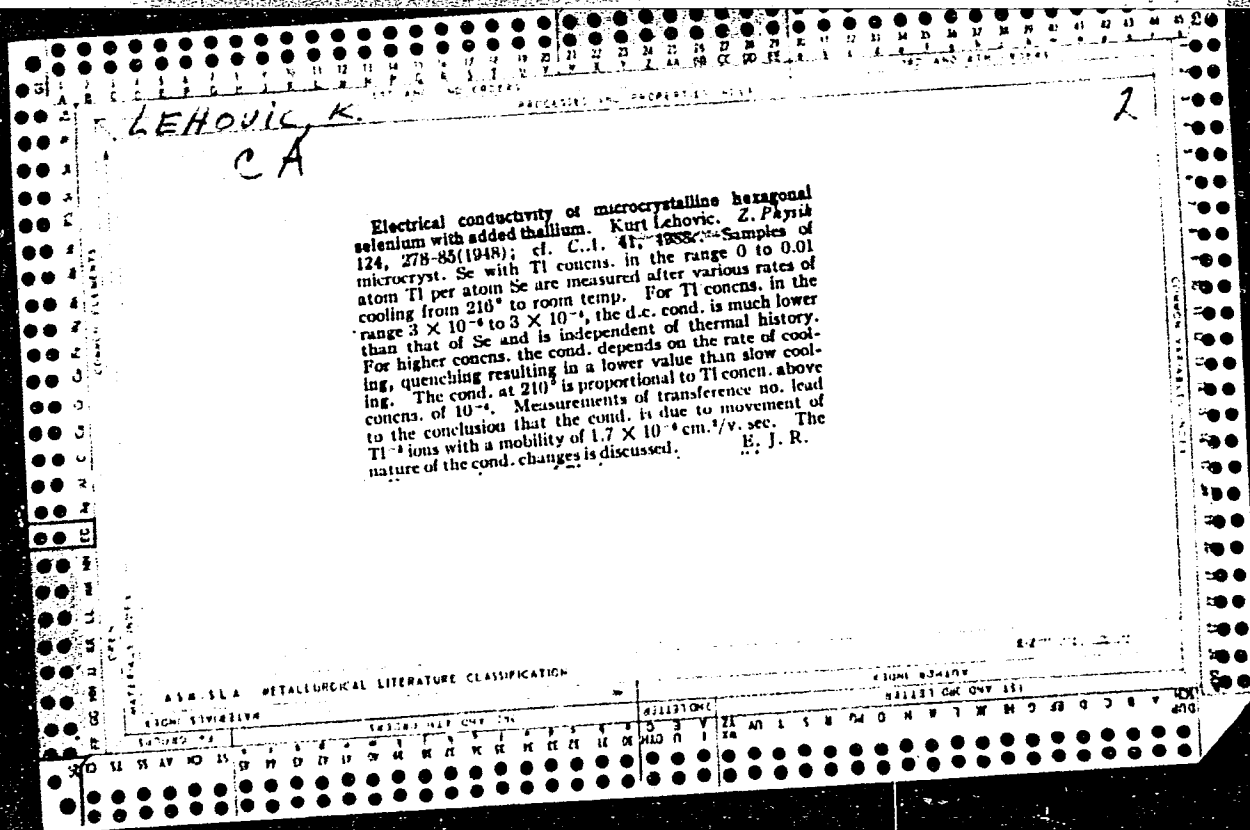
Role of Erzsebet Bridge in the transportation network of Budapest.
Kozleked kozl 20 no.50:833-838 13 P '64.

1. Road and Railroad Planning Enterprise, Budapest.

LEHCIZKY, Kalman, okleveles mernok, fototechnologus

Planning of city transportation. Kozl tud sz 15 no 4:140-
147 Ap '65.

1. Road and Railroad Planning Enterprise, Budapest.



LESNY, I.; LEHOVSKY, M.

Clinical study of lordotic dysbasia in children. An attempt to classify its relation to so-called extrapyramidal diseases in children. *Cesk. pediat.* 20 no.2:119-128 F '65

1. Neurologicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: akademik K. Henner) a detske neurologicke oddeleni fakulty detskeho lekarstvi Karlovy University v Praze (vedouci: doc. dr. I. Lesny).

OTRADOVEC, J.; JIROUT, J.; VYMAZAL, J.; LEHOVSKY, M.

"Inverse" Foster Kennedy syndrome and an attempt to explain its pathogenesis. *Cesk. oftal.* 19 no.4:227-234 JI '63.

1. II očni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Kurz Neurologicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik K. Henner.
(OPTIC ATROPHY) (SCOTOMA) (SENSORY DEPRIVATION)
(PAPILLEDEMA) (MENINGIOMA) (BRAIN NEOPLASMS)

CZECHOSLOVAKIA

NEVSIMAL, O., and LEHOVSKY, M., Neurological Clinic (Neurologická
klinika), Faculty of General Medicine (Fakulta všeobecného le-
karství), Charles University, Prague, Academician K. HENNER,
director.

"Zoster Polyradiculoneuritis With Manifestations of Landry's
Paralysis"

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 4, July 1963,
pp 280-283.

Abstract [Authors' English summary]: The authors describe a case
of zoster polyradiculoneuritis with the characteristic course of
Landry's ascending paralysis. There was bulbar involvement with
facial diplegia. The patient recovered almost completely after
three months. Similar (rare) cases are quoted from literature and
a survey of nervous lesions caused by the herpes zoster virus is
given. Pointed out is the importance of the interval between the
skin eruption and signs of paralysis. Discussed is also the un-
favorable influence of physical strain on the course of the di-
sease. Twenty-five references, including 4 Czech and 1 Polish.

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L 31439-66

ACC NR: AP6023192

SOURCE CODE: CZ/0082/65/028/005/0374/0380

AUTHOR: Vacek, J.; Dittrich, J.; Lehovsky, M.; Taborikova, H.

ORG: Neurology Clinic/headed by Academician K. Henner/, Faculty of General Medicine, Charles University, Prague (Neurologicka klinika fakulty vseobecneho lekarstvi KU)

TITLE: Problem of diagnosing the localization and course of paralysis of peroneal nerve

SOURCE: Ceskoslovenska neurologie, v. 28, no. 5, 1965, 374-380

TOPIC TAGS: nervous system disease, circulatory system disease, diagnostic medicine, man

ABSTRACT: Study of 5 cases with various degrees of paralysis of peroneal nerve, particularly degrees of involvement of the sciatic and related nerves of the lower extremities. Circulatory and ischemic difficulties are more apt to cause permanent damage to this nerve than to many others due to its anatomical situation. Orig. art. has: 3 figures. [Based on Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 009

Card 1/1 JT

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"Requirements in Planning a Modern Textile-processing Plant." p. 369 (Magyar Textiltechnika. No. 11/12, Nov./Dec, 1953 Budapest.)

EMR, P.

"Problems of Lower Economy in the Textile Industry", P. 136, (MAGYAR
TUDOMÁNYOSAK, Vol. 7, No. 6, September 1957, Budapest, Hungary)

SC: Monthly List of East European Accessions (EMAL), IC, Vol. 4, No. 3,
March 1955, Uncl.

LEHR, F. - Vol. 8, no. 1, Jan. 1955. - Magyar Energiagazdasag

Possibility of saving power through the use of modern fans. p. 36.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

LEHR, F.

LEHR, F. Plans for economy of power in the textile industry during the second Five-Year Plan. p. 46C.

No. 11/12, Nov./Dec. 1955.

HAGYAR TEXTILTECHNIKA.

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 3, May 1956

LEHR, F.

Reconstruction of factories. p. 387.

(Magyar Textiltechnika, No. 10, October 1956. Budapest, Hungary)

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

LEHR, F.

"Up-to-date installations of the textile industry." p. 83

MAGYAR TEXTILTECHNIKA (Textilipari Muszaki es Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 11, No. 2, Feb. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

LEHR, Ferenc

An account of the November 22-24, 1960, conference on drying held in Budapest. Magy textil 13 no.4:173 Ap '61.

LEHR, Perenc

New finishing machines in the cotton industry. Magy textil 14
no.12:543-546 D '62

LEHR, Ferenc

Reconstructions carried out in the textile industry and their results.
Magy textil 15 no.10:441-448 0 '63.

GOSZTONYI, Sandor; LEHR, Ferenc, a muszaki tudományok kandidátusa;
FICHTNER, Kurt; MARECKI, Jacek, prof., dipl. ing. (Lengyelország);
WRESNIEWSKI, Romuald; BUPSZYNSKI, Janusz; HUENER, Ewald;
KIEFER, Erich; BOIE, Werner, prof., dr. ing. (Nemet Demokratikus
Közösség); BOSNIC, Cedomir (Jugoszlávia); ZILBER,
Aleksander (Lengyelország); GRUBER, S.M. (Anglia); STANCESZKU,
Ian, prof. (Románia); BONKALO, Tamas, dr.; ENDRENYI, Sandor;
KATONA, Kalman; KOHARY, Lajos

Rationalization in power utilization in the field of the light
industry. Ipari energia 3 no.1/2:32-38 Ja-F '62.

1. Konnyuipari Minisztérium helyettes főosztályvezetője (for
Gosztonyi). 2. Konnyuipari Tervező Iroda (for Lehr). 3. Textilipari
Kutató Intézet (for Bonkalo). 4. Papíripari Kutató Intézet
(for Endrenyi).

II. H.

Some problems relative to equilibrium limit and plastic flow in computing plate stability.

p. 197 (Hidrotehnica. Vol. 2, no. 5, Sept./Oct. 1957. Bucuresti, Rumania)

Monthly Index of East European Accessions (EMIA) LC. Vol. 7, no. 2,
February 1957

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Forty years of the development of a new branch of engineering
science: geotechnics. Rev constr si mat constr 16 no. 2:
98-100 F '64.

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(Eudapesti Tud 11. sz. Belklinikajarol.)

"Relation of Anemia Due to Cirrhosis of the Liver and its Clinical Appearance."

Crivosok Lapja, Budapest, 1948 4/4(106-109)
Abst: Exc. Med. V. Vol. 11, No. 2, p. 130

81751

Z/037/60/000/04/004/014
E073/E535

24.6810

AUTHORS: Lehraus, I., Mokrý, P. and Slavík, B.

TITLE: Apparatus for Continuous Measurement of the Variation of the Intensity of Cosmic Radiation

PERIODICAL: Československý časopis pro fysiku, 1960, No 4, pp 297-302

ABSTRACT: A description is given of the Czechoslovak design of the cubic telescope and neutron monitor which were built in accordance with the general CSAGI specifications for measurements to be carried out within the framework of the I.G.Y. programme. A brief description of the characteristics of the apparatus has been published in an earlier paper of the team of the authors (Ref 2). The description of this apparatus has been published mainly at the request of foreign stations. The metering equipment consists of two duplicate sets of apparatus, namely, two cubic telescopes with GM counters for detecting μ -mesons and two detectors of the nucleonic component with proportional neutron counters. The

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intensities are determined from the sum of both sets of apparatus. The duplication of the apparatus is intended to ensure continuous measurement and also to enable verification of the data measured by the two sets of instruments. Both the cubic telescope and the neutron monitor are described; the block schematics of these are given in Figs 1 and 2. The authors also describe practical experience gained with using this apparatus. It was found that for some parts of the apparatus it is desirable to use designs differing from those recommended by CSAGI (Refs 1 and 3), particularly due to the differing properties of some of the electronic components and counters. Without the intervention of the operator continuous faultless operation of the apparatus can be maintained for about a week. The occurring disturbances are mainly due to changes in the settings of the discriminators, the quenching circuits and the

Card 2/4 amplifiers in the neutron monitor caused by ageing of ✓

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the electron tubes. In the case of systematic checks, failures are likely to occur only in one set of apparatus so that the appropriate data can be obtained by extrapolating the results from the other set of apparatus. It was found that the characteristics of the miniature tubes produced by TESLA (Czechoslovakia) varied considerably during the first few days of operation and, therefore, they could be used only in the less critical circuits. The service life of the telephone electro-mechanical counters varied greatly and was about five million pulses. Originally film cameras of the type "Admira 8 mm" were used for the photo recording but these did not prove satisfactory, since the mechanism was fully worn out after a few tens of thousands of individual exposures. Fig 3 shows recordings of the differences in the intensity of the penetrating component of the cosmic radiation obtained

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by means of the cubic telescopes in Prague during the two days of November 12, 1958 and December 10, 1959. Acknowledgments are expressed to Academician J. Novák, Chairman of the Czechoslovak I.G.Y. Committee for his encouragement and to Professor Doctor V. Petržílka and Corresponding Member of the Czechoslovak Academy of Sciences Doctor P. Chaloupka for their initiative and cooperation and also to Doctor J. Pernegr and M. Votruba for their useful suggestions and criticisms. There are 3 figures and 5 references, 2 of which are Czech and 3 English.

ASSOCIATION: Fysikální ústav ČSAV, Praha (Physics Institute, Czechoslovak Academy of Sciences, Prague)

SUBMITTED: December 31, 1959

Card 4/4

HLADKY, Jan (Praha); LEHRAUS, Ivan (Praha); MOKRY, Premysl (Praha)

New methods for representing the paths of particles. Pokroky
mat fyz astr 8 no.2:71-80 '63.

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9 no.5:175 My 1963.

LEHRAUS, Ivan

Large area scintillation detectors for the detection of cosmic radiation. Jaderna energie 9 no.8:252-257 Ag '63.

1. Fyzikalni ustav, Ceskoslovenska akademie ved, Praha.

LEHRER, Andy Z.; SCUTARU, Maria

Some considerations on the external morphology of terminalia
in the wasps of the family Scoliidae and family Tiphiidae
(Hymenoptera). Studii biol agr Iasi 13 no.1:95-107 '62.

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Contribution to the knowledge of the Sphecidae (Hymenoptera) in
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"State of health on the state farms in the county of Fejer." p. 106
(NEPEGESZSEGUGY, Vol. 34, no. 4, April, 1953, Budapest.)

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

LEHRNER, Lorant, dr.

Repeated atropine poisoning after consumption of honey.
Nepegeszseguy 36 no.9:315 Sept 55.

(ATROPINE, poisoning
caused by honey consumption.)
(HONEY, injurious effects
causing atropine pois. after repeated consumption.)
(POISONING
atropine, after repeated honey consumption.)

LEHNERNE SZABADOS, Ilona, dr.

Experiences with the organization of health protection and therapy of rural children; experiences in the Fejer County.
Nepegeszsegugy 45 no.2:39-40 F'64

*

CRISTEA, P., ing.; DUMBRAVA, Doina, ing. proiectant; LEIB, L., ing. proiectant; SIPS, I., ing. proiectant

Transistorized analog digital tension converter for automatic digital systems. Automatica electronica 7 no.3:122-127 My-Je '63.

1. Asistent la Institutul Politehnic Bucuresti (for Cristea).
2. IPAEIA (for Dumbrava, Leib, Sips).

RUMANIA / Chemical Technology. Pharmaceuticals.
Vitamins. Antibiotics.

H-17

Abs-Jour: Ref Zhur-Khimiya, No 23, 1958, 78681.

Author : Popa, J., Leiba, H.

Inst : Not given.

Title : Silicones and Their Application in the Pharma-
ceutical Industry.

Orig Pub: Farmacia (Romin), 1956, 4, No 2, 147-154.

Abstract: No abstract.

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5

NICOLAU, C. T., Conf.; LEIBA, H., dr.; BIANU, G., dr.

Clinical and hematological changes caused by radioactive isotope (P³²) therapy of polycythemia. Med. int., Bucur. 8 no.2:220-230 Apr-May 56.

1. Lucrare facuta la Clinica de hematologie I.P.S.M. din Spitalul C.F.R. nr. 2 (Seful catedrei conf. C. T. Nicolau).

(POLYCYTHEMIA VERA, therapy
radiophosphorus, clin. & hematol. aspects)

(PHOSPHORUS, radioactive
ther. of polycythemia, clin. & hematol. aspects)

(BLOOD, eff. of drugs on
radiophosphorus, in polycythemia)

LEIBA, H.

RUMANIA/Chemical Technology - Chemical Products and Their Applications - Drugs, Vitamins, Antibiotics.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37178

Author : Popa, I., Leiba, H.

Inst : -

Title : Uses of Silicones.

Orig Pub : Farmacia (Romin), 1957, 5, No 2, 136-142

Abstract : A method of deposition of a thin Silicone (I) layer on glass and metallic objects is described. (I) coated materials possess properties of silicones normally used for similar purposes (no water absorption, no blood coagulation, no foaming). By this method were produced silinone-coated laboratory containers, ampoules for penicillin and other antibiotics, drug containers, syringe needles, syringe plungers, etc.

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39

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NICOLAU, C.T., Conf.; URUSU, A., dr.; LEIBA, H., dr.; PASCAL, N., dr.

Hemorrhagic diathesis in hypersplenism. ~~Med. int., Bucur. 9~~
no.2:295-301 Feb 57.

(HYPERSPLENISM, manifestations
hemorrh. diathesis)
(HEMORRHAGIC DIATHESIS, etiol. & pathogen.
hypersplenism)

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1. Lucrare efectuata la Clinica de hematologie I.P.S.M.F.
si Centrul de hematologie director, conf. C. T. Nicolau.

(HEMOPHILIA
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[Sanitary maintenance] Sanitaaremont. Tallinn, Kirjastus
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1960. Brodogradnja 14 no. 2:45-56 '64.

LEIBLER, Karoline, prof. dr

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19 no.4:268 '63.

LEIBLER, Karolina, Mrs.; KONOPKA, Janusz

On the microwave behavior of dielectric constants of dielectric metal mixtures. Acta physica Pol 23 no.2:149-158 F '63.

1. Institute of Physics, Polish Academy of Sciences, Warsaw.

LEIBLER, K.; WISNIEWSKI, R.

Influence of hydrostatic pressure on the dielectric properties
of solid mixtures. Acta physica Pol 25 no.6:825-828 Je '64.

1. Department of General Physics B, Technical University, Warsaw.

KANGLACHH, Mircea; HEBWIC, Manuel; GJ. GJEU, Emilia; IGA, Ion

Aspects of the corrodibility of the (GG) naval steel in the
welding region. Construc 16 no.4:183-193 Sp'67

LEIBOVICI, I.; GRECESCU, M.

On the principle of ionometrical methods in gamma and roentgen radiation metrology. Studii cerc fiz 14 no.1: 99-112 '63.

1. Institutul de fizica atomica Bucuresti.

ILIESCU, Constantin, ing.; HALTRICH, Stefan, ing.; LEIBOVICI, Iulian,
ing.

Measuring the azimuthal magnetic field inhomogeneities.
Electrotehnica 10 no.5:162-168 My '62.

1. Sed adjunct de laborator, Institutul de fizica atomica (for
Iliescu). 2. Ingineri principali, Institutul de fizica atomica
(for Haltrich, Leibovici).

BUNEA, Victor, ing. (Bucuresti); ILIESCU, Constantin, ing. (Bucuresti);
HALTRICH, Stefan, ing. (Bucuresti); LEIBOVICI, Iulian, ing.
(Bucuresti).

Magnetic circuit technology of the betatron of the Atomic
Physics Institute of the Rumanian Academy. Electrotehnica
10 no.7:245-249 JI '62.

1. Proiectant principal la Uzina de masini electrice "Dinamo,"
Bucuresti (for Bunea).
2. Sef de laborator adjunct la Institutul
de fizica atomica al Academiei R.P.R. (for Iliescu).
3. Ingineri principali la Institutul de fizica atomica al
Academiei R.P.R. (for Haltrich, Leibovici).

ILIESCU, Constantin, ing. (Bucuresti); HALTRICH, Stefan, ing. (Bucuresti);
LEIBOVICI, Iulian, ing. (Bucuresti)

Measuring the magnetic parameters of the betatron of the Institute
of Atomic Physics of the Rumanian Academy of Sciences.
Electrotehnica 10 no.4:113-119 Ap '62.

1. Sef adjunct de laborator, Institutul de fizica atomica al
Academiei R.P.R. (for Iliescu).
2. Ing. principal la
Institutul de fizica atomica al Academiei R.P.R. (for Haltrich).
3. Ing. principal la Institutul de fizica atomica al Academiei
R.P.R. (for Leibovici).

G

POLAND/Electricity - Dielectric.

Abs Jour : Ref Zhur Fizika, No 12, 1959, 27660

Author : Leibler, K.

Inst :

Title : Dielectric Properties of a Disperse Metal-Dielectric System

Orig Pub : Arch. elektrotechniki, 1958, 7, No 3, 341-355

Abstract : The dielectric properties of disperse systems of paraffin-conductor have been investigated as a function of the volume concentration of the impurities. The measurements were made for an emulsion of paraffin and mercury and of paraffin and eutectic K.Na, and also for a mixture of paraffin with powders of aluminum, magnesium, carbon, and shot. The emulsions were prepared by an ultrasonic method. The dielectric constant ϵ was determined for frequencies from 50 kcs to 6 Mcs by the resonance method. Also

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B133/B212

AUTHORS: Leibler, Karoline and Brański, Wojciech

TITLE: Two-phase ferroelectric systems (I. barium titanate-metal)

PERIODICAL: Acta Physica Polonica, v. 20, no. 5-6, 1961, 447-453

TEXT: In a previous paper (Leibler, J. Chim. phys., 70, 677 (1959)), one of the authors has investigated how far the addition of metals will change the dielectric constant of various dielectric plastics, such as paraffin and polystyrene. A considerable increase of the dielectric constant ϵ is obtained according to the increase in the concentration of the metal, whose dielectric constant can be taken as infinite. In the present paper, the influence of the addition of powdered silver, nickel, or iron on ferroelectric barium titanate is discussed. The metal powder with its grains irregular in shape was passed through a 0.1-mm sieve. Since it was necessary to bake the barium-titanate ceramics at the high temperature of $1,350^{\circ}\text{C}$, it was very difficult to prevent the oxidation of the metal while preparing the specimens. Thus, the specimens were first compressed under a pressure of 3,500 atm and then baked twice in a vacuum furnace at a pres-

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Two-phase ferroelectric systems...

sure of 10^{-3} to 10^{-4} mm Hg. The disadvantage of this method was that the furnace had to be cooled very rapidly. The dielectric constants of the specimens obtained were no optimum values. They amounted to 1,000 for pure barium titanate. The dielectric constant and the dielectric phase angle were measured at 1 Mc/sec and at 200 kc/sec by applying the bridge method. A plate capacitor placed into a thermostat was utilized for the measurements. X-ray analysis confirmed the good intermixture of the specimens. The volume concentration of the metal was determined by measuring the mass and density with an error of about 6%. The error of measurement was 1% for ϵ , 5% for the dielectric phase angle, and 0.2°C for the temperature measurement. As shown in Fig. 1, the dielectric constant will increase rapidly according to the increase of the metal concentration at a constant temperature. At a certain value of the concentration, the mixture becomes a conductor. Investigations of the dielectric constant as a function of temperature showed no change of the Curie point by the metals added. The Curie-Weiss point and the Curie-Weiss constant are shifted, however, as can be seen from Fig. 3. The best theoretical approximation is achieved with Odolewski's (Odolewski, Zh. tekh. Fiz., 21, 667, (1951)) formula

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