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RESL #255
Kovacs, Gyula

HUNGARY / Human and Animal Morphology. (Normal and Pathological): Nervous System.

8

Abn Jour : Ref Zhur - Biol., No 21, 1958, No 97045

Author : Kovacs, Gyula; Fohar, Gyorgy.

Inst : Not given

Title : On the Question of the Region of Abducent Nerve Innervation.

Orig Pub : Magyar allatorv. lapja, 1958, 13, No. 1, 18-21

Abstract : It is shown that in the horse, large horned cattle, pig and dog, n. abducens, aside from the external rectus muscle of the eye, completely innervates the n. retractor bulbi, to which there are no branches from n. oculomotorius. This confirms the concept that n. retractor bulbi is the derivative of n. rectus oculi lateralis.

Card 1/1

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825510001-9

KALDOS, Ferenc; KOVACS, Gyula

Modernization of Erosimat machines outside the factory. Pt. 1. Gepyar-
tastechn 1 no.7:269-271 0 '61.

1. General Machine Designing Office, Budapest.

KALDOS, Ferenc; KOVACS, Gyula

Modernization of Erosimat machines outside the factory. Pt.2.
Gepgyartastechn 2 no.1:31-34 Ja '62.

1. Altalanos Geptervezo Iroda.

KISS, Lorant, okleveles gépészmérnök; CSERNAVOLGYI, László; HAJDU, István; BENKOVICS, József; TERNYÁK, Benó; SOSKUTI, András; TOROK, Mihály, dr.; SZASZ Frigyes; GATI, Géza; KOVACS, Lajos; DEHENES, Zoltán; MAGYORÓSI, László; KOVACS, Gyula; AUERSWALD, János; SOS, János; DIOSZEGHY, Daniel, prof.

Manufacture and use of gas appliances. Energia es atom 17 no.1: 30-35 Ja'64.

1. Lampagyár (for Kiss).
2. Vegyterv (for Csernavolgyi).
3. Országos Koolaj- es Gazipari Troszt (for Hajdu, Szasz, Auerswald).
4. Pecsí Gázszolgáltató Vállalat (for Benkovics).
5. Asványolajforgalmi Vállalat (for Ternyak, Soskuti).
6. Építészeti Minisztérium Iparterv Műszaki Osztály (for Torok).
7. Országos Villamosenergia Felügyelet (for Gati).
8. Építészeti Minisztérium (for Lajos Kovacs).
9. Gázkeszulekgyártó Vállalat (for Dehenes).
10. Építészeti Intézet (for Gyula Kovacs).

KOVACS, Gyula, tudományos munkatárs

Application of small-ribbed heat exchangers as air-cooled refrigerator condensers. Energia es atom 16 no.3:119-124 Mr '63.

1. Hitechnikai Kutato Intezet.

KATONA, Janos, a muszaki tudományok kandidátusa; DEAK, Pal; KIMMEL, Jenő;
CZEGLEDI, Karoly; KOVACS, Gyula

Research results on parts in the field of telecommunication
techniques; also remarks by P.Deak and others. Muszaki kozl MTA
26 no.1/4:235-252 '60. (EEAI 9:10)
(Telecommunication)

CZEGLEDY, Karoly; ISTVANFFY, Edvin; BRADA, Ferenc; KATONA, Janos; KOVACS,
Gyula, LUDANYI, Jozsef

Mass production of electrolytic condensers; also, remarks by
E.Istvanffy and others. Muszaki kozl MTA 26 no.1/4:267-268 '60.
(EEAI 9:10)

1. Mechanikai Muvek (for Gzegledy)
(Condensers (Electricity))

HUNGARY

KOVACS, Gyula, Dr, Professor, doctor of veterinary medicine [Affiliation not given].

"X-Ray Anatomy in Veterinary Medicine."

Budapest, Magyar Allatorvosok Lapja, Vol 17, No 11, Nov 62, pp 421-422.

Abstract: The article represents a lecture delivered at a scientific session commemorating the 175th anniversary of the University of Veterinary Medicine. The author calls for a start of X-ray anatomical data collection warranted by the present stage of veterinary radiology. The need for the study of normal animals is stressed. The specialist in this field needs thorough anatomical knowledge. He must define typical X-ray shadows and must organize them and describe them in anatomical terms. Areas for future research must be delineated, their relative importance assessed and X-ray anatomical training must be incorporated into the curriculum of students of veterinary medicine, according to the author. [No references.]

1/1

BODROGI, György, dr.; KOVACS, Gyula, dr.; VILAGI, Gyula, dr.

The significance and origin of auricular sounds in childhood.
Gyermekegyógyászat 14 no.2:33-39 F '63.

1. Központi Ifjúsági Szívbeteggondozó Intézet, Budapest. (Igazgató
orvos: Bodrogi György dr.).
(AURICULAR FLUTTER) (PULMONARY STENOSIS) (AORTIC STENOSIS)
(HEART DEFECTS, CONGENITAL) (AUSCULTATION)

HUNGARY

FEHER, Gyorgy, Dr. decent, candidate, GYUHU, Ferenc, Dr. adjunctus; Veterinary Medical University, Department of Anatomy and Histology (chairman); KOVACS, Gyula, Dr. professor, doctor of vet. sci., (Allatorvostudományi Egyetem, Anatómiai és Szövetani Tanszék).

"Double Cattle Monsters."

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 7, Jul 66, pages 317-320.

Abstract: [Authors' English summary modified] The rarely occurring symmetric duplications of connected twin monster abnormalities, i.e. complete duplication of upper-middle and lower connection as well as the incomplete duplication of upper and lower connection were studied in the offspring of 7 cows. At birth each of the calves were alive but only the upper imperfectly-doubled monster survived for as long as 43 days. The various findings are described in detail. No references.

1/1

VAS, Karoly; KOVACS GIULANE PROSZT, Gizella

Effect of some 8-quinolino derivatives on the germination
of Bacillus cereus spores. Elalm ipar 11 no.9/10:202-205
N '57.

1. Konzerv-, Hus- es Hutoipari Kutato Intezet, Budapest.

KOVACS, Gyulane; DAVID, Peter

Determination of the aluminum content of lacquers with
plastic base by means of emission spectrum analysis.
Magy kem folyoir 67 no.7:297-298 J1 '61.

1. Csepel Vas- es Femmuvek Kozponti Anya_vizsgalo Laboratoriuma,
Budapest es Villamosipari Kutato Intezet.

HEGEDUS, Zoltan; KOVACS, Gyulane; WESZPREMY, Barna

Effect of heat treatment on the spectrometric and X-ray
fluorescent spectrum analysis of steels. Magy kem folyoir
70 no.12:559-561 D '64.

1. Csepel Iron and Steelworks, Budapest.

G. KOVACS, Kata, epiteszmernok

How is sewage disposal and clarification done: Elet tud 16
no.26:802 25 Je '61.

PETRI, G.; KOVACS, G.S.

Effect of surgical stress on metabolism in operated subjects.
Pol. tyd. lek. 18 no.19/20:674-680 6-13 My '63.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Szeged -
Wegry.

(NITROGEN) (URINE) (BLOOD CHEMICAL ANALYSIS)
(STRESS)

KOVACS, G.S.; FEPO, J.; LELEK, I.

Experience with Seldinger's technique of arterial catheterization. Acta chir. acad. sci. Hung. 4 no.2:111-123 '63.

1. First Department of Surgery (Director, Prof. G. Petri),
and Department of Radiology (Director, Prof. T. Szenes),
University Medical School, Szeged.

(ANGIOGRAPHY)	(CATHETERIZATION)
(FEMORAL ARTERY)	(BRACHIAL ARTERY)
(ILIAC ARTERY)	(RENAL ARTERY)
(FEMORAL VEIN)	(AORTA, ABDOMINAL)
	(AORTA, THORACIC)

KOVACS, G.S.; PEPO, J.; FELKAI, B.

Transseptal left heart catheterization. Acta med. acad. sci. hung.
19 no.2:145-154 '63.

1. First Department of Surgery and First Department of Medicine,
University Medical School, Szeged.
(HEART CATHETERIZATION) (MITRAL STENOSIS) (AORTIC STENOSIS)
(DYE DILUTION TECHNIC) (DIAGNOSIS) (HEART DISEASES)

KOVACS, I.

"Absorption spectra in the ultraviolet and visible region",
edited by L. Lang. Reviewed by I. Kovacs. Acta phys Hung
15 no.1:86-87 '62.

1. Department of Atomic Physics, Polytechnical University,
Budapest.

KOVACS, I.

On the anomalous splitting of the multiplet Σ states in diatomic molecules. Pt. 2. Acta phys Hung 15 no.4:337-340 '63.

1. Department of Atomic Physics, Polytechnical University, Budapest.

KOVACS, I. (Budapesti, XI., Muegyetem rakpart 3)

Investigation of the elementary phenomena in electrical
spark-machting. Periodica polytechn electr 7 no.1:37-58 '63.

1. Department of High Voltage Technique and Apparatus,
Polytechnical University of Budapest. Presented by Prof.
Dr. J. Eisler.

KOVACS, Illes (Miskolc)

Thanking for their help! Ujit lap 14 no.18:30 25 8 '62.

YUGOSLAVIA / Chemical Technology. Leather. Fur.
Gelatine. Tanning Agents. Industrial
Proteins.

H-35

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 80031.

Author : Kovac I., Podravski, K.
Inst : Not given.
Title : The Production of Casein.

Orig Pub: Mljekarstvo, 1958, No 2, 43-44.

Abstract: The technological process is described concern-
ing the production of casein from skimmed milk
by the addition of whey and an initial heating
at 34-35°C., followed by heating to 42°C. —
to facilitate the formation of casein grains —
and finally up to 60°C., to promote its solidi-
fication.

Card 1/1

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KOVACS, I.

Mechanical loading p. 14.

ERDOGAZDASAG ES FAIPAR. (Mezogasdasagi Konyves Folyoiratkiado Vallalat) Budapest, Hungary, No. 8, (Aug.) 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959, Uncl.

KOVACS, I. 1951

(Pharm. Inst. U. of Szeged)

"Isolation and Testing of An Antihistaminic of Vegetable Origin."

Acta Physiol (Budapest), 1951 2/1 suppl (50-51)
No Abst. in Exo. Med.

KOVACS, I

"Operational problems of fire-hazard, steep, thick, coal beds in the Jiu Valley." p. 8

BANYASZAI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest, Hungary, Vol. 14, No. 1, Jan. 1959

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

KOVACS, I.

Investigation of the 3Π state of the PH molecule. Acta phys Hung
13 no.3:303-310 '61.

1. Department of Atomic Physics, Polytechnical University, Budapest
and Editorial Board Member, "Acta Physica Academiae Scientiarum
Hungaricae".

KOVACS, I.

The 7th European Congress on Molecular Spectroscopy. Fiz
szemle 13 no.12:385-386 D'63.

KOVACS, I.

Tasks for incubator stations. p. 23. (Magyar Mezőgazdaság, Vol. 11, no. 2, Jan. 1956
Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

KOVACS, I.

Problems of registering horned cattle; an answer to remarks. p. 18. (Magyar Mezogazdasag, Vol. 11, no. 3, Feb. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

KOVACS, I.

KOVACS, I. Simplifying poultry registration. p. 29.

Vol. 11, no. 15/16, Aug. 1956

MAGYAR MEZOGAZDASAG

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

KOVACS, Imre

Minister of Food Imre Kovacs answers the questions of technologists.
Muzs elet 19 no.15:1,3 16 J1 '64.

1. Minister of Food, Budapest.

HUNGARY

VARGA, Ferenc, KOVACS, Iren; Medical University of Pecs, Institute of Pharmacology (Pecsi Orvostudományi Egyetem, Gyógyszertani Intézet).

"The Concentration of Chloroquin in Rib Cartilage and in the Arthritic Foot of the Rat Following Peroral Administration."

Budapest, Kiserletes Orvostudomány, Vol XVIII, No 5, Oct 66, pages 51,-519.

Abstract: [Authors' Hungarian summary] Following administration of large amounts of chloroquin diphosphate (single dose of 500 mg/kg orally, or in the food at 0.1 % concentration for 6 days), the maximal dose of chloroquin demonstrable in the rib cartilage of the rats is 0.08 mM/kg. Under similar experimental conditions, there is no significant difference between the chloroquin content (0.05-0.06 mM/kg) of the foot of rats in which arthritis has been produced with formalin or kaolin and the control foot of the same animals. 1 Hungarian, 9 Western references. [Manuscript received 4 Nov 65.]

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KOVACS, I. (Szeged)

Certain automorphisms of Hilbertian algebra. Acta math Szeged
22 no.3/4:234-242 '61.

1. Submitted July 26, 1960.

FOIAS, Ciprian (Bucharest); KOVACS, I. (Szeged)

A new characterization of the algebra of Neumann's finite numbers. Acta math Szeged 23 no.3/4:274-278 '62.

1. Submitted January 15, 1962.

KOVACS, I.

Some new results in the spectroscopic investigation of diatomic molecules. Acta phys Hung 17 no.1/2:67-74 '64.

1. Department of Atomic Physics, Polytechnical University, Budapest.

KOVACS, I.; TOROS, R.

The intensity distribution of the triplet bands of the molecule.
Acta phys Hung 18 no.2:101-106 '65.

1. Chair of Atomic Physics of Budapest Technical University.
Submitted March 31, 1964.

KOVACS, I. (Szeged)

Ergodic theorems for r -ges. Acta math Szeged 24 no.1/2:103-118 '63.

1. Submitted August 28, 1962.

KOVACS, I.

The rotational structure of the $d^3\Delta$ state of the CO molecule.
Acta phys Hung 18 no.2:107-110 '65.

1. Chair of Atomic Physics of Budapest Technical University.
Submitted March 31, 1964.

HUNGARY

SZAMOSI, Jozsef, Dr, KOVACS, Ilona, Dr, KISTURAY, Terez, Dr; Heim Pal Hospital (Heim Pal Korhaz), and Capital City Council, Central Child Hygiene, Methodological Institute of Scientific Research and Advanced Study, Department of Pediatrics and Toxicology (Fovarosi Tanacs Kozponti Gyermekkegyszegugyi, Modszertani Tudomanyos Kutato es Tovabbkepzo Intezet) (chief physician: SZAMOSI, Jozsef, Dr), Budapest.

"Reiter's Syndrome Involving a 9 Year Old Child."

Budapest, Orvosi Hetilap, Vol 108, No 11, 12 Mar 67, pages 508-510.

Abstract: [Authors' Hungarian summary] The case of a 9 year old boy is described who was a hospitalized patient of the authors for 4 months because of polyarthrititis, keratoconjunctivitis and urethritis and was under their regular observation for 17 more months after his discharge. The disease was also accompanied by stomatitis, enteritis and various nervous systemic symptoms. On the basis of the symptom complex and the course, the disease is considered to be Reiter's syndrome. Based on literature data and on the case observed, the etiology of the syndrome and its therapeutic possibilities are discussed. 3 Eastern European, 24 Western references.

1/1

SZAMOSI, Jozsef, dr.; KAMARAS, Ilona, dr.; KOVACS, Ilona, dr.

Data on the diagnosis and prognosis of acute diffuse glomerulonephritis in children. Orv. hetil. 104 no.41:1927-1930 13 0 '63.

1. Fovarosi Tanacs, Heim Pal Gyermekkorhaz, Gyermek es Toxicologiai Osztaly.

(GLOMERULONEPHRITIS) (STREPTOCOCCAL INFECTIONS)
(ANTISTREPTOLYSIN) (HEMATURIA) (ALBUMINURIA)
(HYPERTENSION) (PROGNOSIS)

KOVACS, Ilona, dr.

Glutamic acid therapy of mental deficiency in children. *Gyermekegyógyászat* 5 no.9:257-262 Sept 54.

1. Az Állami Gyermekleletani Intézet közleménye (igazgató: Molnár Imre dr.)

(MENTAL DEFICIENCY, ther.
glutamic acid)

(GLUTAMATES, ther. use
glutamic acid in ment. defic.)

KOVACS, I. *Ilona*

On the pathogenesis of mongolism. *Gyermekegygyaszat* 4 no.9:269-278
Sept 1953. (CIAML 25:5)

1. Doctors. 2. State Institute of Child Psychology (Director -- Dr.
Irene Molnar).

KOVACS, Imre,eloado

The role of the food ministry in the socialist reorganization of agriculture. Elelm ipar 15 no.10:314-317 0 '61.

1. Eltelmezesugyi Miniszterium.

KOVACS, Imre

The Csongrad County Committee on Transportation in session.
Kozleked kozl 20 no. 22: 356 31 My '64.

1. Vice President, Csongrad County Council; President, Csongrad County Council on Transportation.

KOVACS, I.

KOVACS, I.

Effective treatment of erosion of the portio with azulenoel ointment.
Orv. hetil. 91:25, 18 June 50. p. 791-2

1. Obstetric and Gynecologic Clinic (Director--Dr. Janos Batizfalvy),
Szeged University.

CHL 19, 5, Nov., 1950

KOVACS, I.
SAS, M.; KOVACS, I.; BODIS, L.; KENYERES, F.

Effect of thiouracil on pregnancy in animals. Magyar. orv.
lap. 14 no.7:205-208 July 1951. (CML 20:11)

1. Doctors. 2. Obstetric and Gynecological Clinic, Szeged
University.

KOVACS, I.; URI, E.

The sex hormone inactivating effect of the liver in animal experiments. Magy. orv. lap. 15 no. 9:270-274 Sept 1952. (OLML 23:5)

1. Assistant Professor for Fekete and Honorary Lecturer for Farkas.

SAS, M.; KOVACS, I.

Hormonal diagnosis of amenorrhea. Acta med. hung. 6 no.3-4:475-492 1954.

1. Klinik für Geburtshilfe und Gynäkologie der Medizinischen Universität, Szeged.

(AMENORRHEA, metab. in
sex hormones excretion, diag. value)

(SEX HORMONES, metab.
excretion in amenorrhea, diag. value)

KOVACS, Istvan, dr.; URI, Edith, dr.

The effect of androgen on normal and disturbed hormonal relations in animal experiments (Hun). Magy. orv. lap. 17 no.5:270-276 Sept 54.

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

(TESTOSTERONE, effects
on normal and disturbed hormonal relations in mice (Hun))

KOVACS, Istvan, dr.; URI, Mih, Cs.; dr.

Results of experimental transplantation of ovaries in animals.
Magy.noorv.lap. 17 no.5:315-319 Sept 54.

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

(OVARIES, transplantation
exper. results in animals (Hun)
(TRANSPLANTATION, experimental
ovaries, results in animals (Hun)

KOVACS, Istvan, dr.; SAS, Mihaly, dr.; URI, Edit, dr.

Result of implantation of syntestrin tablets. *Magy. noorv. lap.* 17 no. 6:340-344 Nov 54.

1. A szegedi Orvostudományegyetemi Szülészeti és Nőgyógyászati
klinika közleménye (Igazgató: Batizfalvy János dr. egyetemi tanár)
(DIETHYLSTILBESTROL,
dipropionate, implantation of tablets in various dis.
(Hun)

SAS, M.,; KOVACS, I.

Determination of hormones in estrogen therapy. Acta med. hung. 7
no.3-4:245-259 1955.

1.Klinik fur Geburtshilfe und Gynakologie der Medizinischen
Universitat Szeged.

(ESTROGENS, administration,
effectiveness of various modes of admin.)

SAS, Mihaly, dr.; KOVACS, Istvan, dr.

~~*****~~
Hormonal diagnosis of amenorrhea. Magy. noorv. lap. 18 no.2:95-107
Mar 55.

1. A Szegedi Orvostudományi Egyetem Szülészeti és Nőgyógyászati
Klinika-jának közleménye (Igazgató: Batizfalvy János dr. egyetemi
tanár).

(AMENORRHEA, differential diagnosis,
hormonal method)

KOVACS, Istvan, dr.; HALO, Lajos, dr.

Electrocoagulation of erosions of the cervix uteri. Orv. hetil.
96 no.24:660-663 12 June 55.

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

(CERVIX, UTERINE, diseases,

erosion, ther., electrocoagulation)

(DIATHERMY, in various diseases,

electrocoagulation in erosion of cervix uteri)

SAS, Mihaly, dr.; KOVACS, Istvan, dr.

Results of hormone titrations in estrogen therapy. Orv. hetil.
97 no.4:92-97 22 Jan 56.

1. A Szegedi Orvostudományegyetem Szülészeti és Nőgyógyászati
Klinikájának (igazgató: Batisfalvy János dr. egyet. tanár)
közleménye.

(ESTROGENS, admin.

effectiveness of various modes of admin. with various
dosages & estrogen prep., determ. (Hun))

LAZAR, Dezzo, dr.; KOVACS, Istvan, dr.

A case of operated congenital atresia of the esophagus. Magyar
sebeszet 13 no.6:365-368 D '59.

1. Nagykanizsai Városi Tanács Sebészeti és Gyermek Osztályának
közleménye Igazgató: Fendler Károly dr.
(ESOPHAGUS abnorm)

TRAUB, Alfred, dr.; KOVACS, Istvan, dr.

Actinomycosis of the female genitalia. Magy. noorv. lap. no.5:308-311
S '61.

1. A szegedi Orvostudományi Egyetem Szülészeti és Nőgyógyászati Kliniká-
jának közleménye.

(GYNECOLOGY) (ACTINOMYCOSIS case reports)

KOVACS, Istvan, dr.; MAKAY, Laszlo, dr.

Some data on the problem of the etiology of embryological malformations. Magy. noorv. lap. 25 no.2:86-91 Mr '62.

1. Bajai Varosi Tanacs Korhaza (Igazgato: Cseh Imre dr.) Szuleszeti es Nagygyaszati Osztalyanak (Foorvos: Kovacs Istvan dr.) kozlemenye.

(ABNORMALITIES etiol)

KOVACS, Istvan

Detection of petrol in the air by rapid analysis. Munkavedelem
10 no.1/3:15-18 '64.

1. Scientific Research Institute of Labor Protection, Central Council
of Hungarian Trade Unions, Budapest.

KOVACS, Istvan

Fundamentals of determining intoxicating agents of small amounts in the air; a literature survey. Munkavedelem 10 no.10/12:24-26 '64.

1. Scientific Research Institute of Labor Protection of the Central Council of Hungarian Trade Unions, Budapest.

KOVACS I,

HUNGARY/Optics - Spectroscopy

K-7

APPROVED FOR RELEASE: 06/14/2000
Abs Contr: Not Given, No 2, 1957, No 4648 CIA-RDP86-00513R000825510001-9"

Author : Kovacs Istvan
Inst : Not Given
Title : Calculation of Rotational States for the Terms of the Diatomic Molecule with the Aid of Perturbation Theory.

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato intez. kozl., 1953, 1, No 1-2, 4-13

Abstract : No abstract

Card : 1/1

HUNGARY/Optics - Spectroscopy.

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HUNGARY/Optics - Spectroscopy.

K

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9838

Author : Kovacs, I., Scari, O.

Inst : ~~U.S. DEPARTMENT OF ENERGY~~

Title : Intensity Formulas for ${}^7\Pi \leftrightarrow {}^7\Sigma$ Bands

Orig Pub : Acta phys. Acad. scient hung., 1959, 9, No 4, 423-443

Abstract : Formulas are given for the elements of the matrix of transformation of the ${}^7\Pi$ state. From the well known elements of the matrices of the transformation of the ${}^7\Pi$ and ${}^7\Sigma$ states, formulas are determined for the intensity factors, which make it possible to determine the relative intensities in the branches of the bands ${}^7\Pi(a) \leftrightarrow {}^7\Sigma$, ${}^7\Pi(b) \leftrightarrow {}^7\Sigma$. Comparison of the theoretical intensities, calculated from these formulas, with the experimental data on the bands in the spectrum of MnE, show satisfactory agreement.

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3
/ Role of spin-spin interaction in the multiplet splitting of the Π state of the O_2^+ molecule. I. Kovács (Tech. Univ., Budapest). *Acta Phys. Acad. Sci. Hung.* 10, 255-8 (1959) (in English).—The deviations from the theoretical formula for the Π term of the O_2^+ mol. can be attributed to 2 reasons: one is the spin-spin interaction, the other is the perturbation due to the spin-orbit interaction of the two Π terms. Together they account for the observed deviation.
H. Neucomite

Structure of the multiple Σ states in diatomic molecules.
 With an application to the $^2\Sigma$ state of the MnH molecule.
 I. Kovács (Tech. Univ., Budapest, Hung.). *Proc. Roy.
 Soc. Lond. A*, 60A, 15-23 (1959).—It is shown that the structure
 of a multiplet Σ term is not altered by perturbations
 due to far lying terms. If the perturbing term lies close,
 however, there is a possibility that the multiplet structure
 will be changed. The anomalous splitting of the $^2\Sigma$ term
 of MnH is interpreted as arising from perturbations due to
 the $^4\Pi$ term.

C. J. Ultee—

KR

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4E3d

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KOVACS, I.

Investigation of the $A^3\Pi$ state of the NH molecule. Acta phys Hung
12 no.1:67-76 1960. (EEAI 10:2)

1. Department of Atomic Physics, Polytechnical University, Budapest.
(Molecules) (Nuclear spin)

WITTMAN, Tibor, a történelemtudomány kandidátusa, egy.docens(Szeged);
KOVACS, Istvan, az állam- és jogtudományok kandidátusa (Budapest)

Academic Days in Szeged. Magyar tud 68.no.7/8:472-477 J1-Ag '61.

1. Szegedi Tudományegyetem. (for Wittman) 2. Intézeti igazgató h.,
Magyar Tudományos Akadémia Állam- és Jogtudományi Intézete, Budapest.
(for Kovacs)

S/051/62/012/001/003/020
E202/E492

AUTHOR: Kovács, I.

TITLE: Interaction between the rotation and spin in the
diatomic molecule

PERIODICAL: Optika i spektroskopiya, v.12, no.1, 1962, 17-21

TEXT: After a brief introduction explaining the rotation-spin interactions and references to its mathematical representation which led to the description of the fine structure observed during the multiplet splitting, the author explained the nature of the additional irreducible Kramers' terms for the spin orbital interaction (Ref.5: J.A.Kramers. Zs. Phys., v.58, 1929, 436) and hence proceeded to formulate an explicit form of interaction between the rotation and the spin, which hitherto has been only known for the Hund's case (b). The latter is only applicable directly to the multiplet Σ terms, for all values of the rotational quantum number. However, according to R.N.Dixon (Ref.7: Canad. J. Phys., v.37, 1959, 1171), the interaction occurs also on the Π terms. The Π terms with low rotating quantum numbers are usually closer to the Hund case (a) rather than (b). ✓

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For this reason, the author developed the explicit form of interaction between rotation and spin for the $^2\Pi$, $^2\Delta$, $^3\Pi$, $^3\Delta$ and $^4\Pi$ terms. This was achieved by introducing into the Kramers' transformations, in addition to the position and velocity coordinates of the electrons, coordinates of spin in a system moving together with the molecule. In this way, the terms were expressed as the components of a total angular momentum of a molecule referred to a coordinate system coupled with the molecule. Further development led to the formulation of the rotation-spin interaction for Hund's (a) case, which in turn was used to define the specific intermediate case functions. The ultimate forms hold for any value of the coupling constant and the rotational quantum number. As far as the practical application of this method is concerned, the two examples quoted by the author, viz. the presence of the rotation-spin interaction in the $A^3\Pi_i$ term of the NH molecule and in the $^3\Pi$ term of the PH molecule, are somewhat unfortunate since in the first case with the $J \gg 3$, the straightforward Hund's (b) is applicable and in the second case in spite of the apparent intermediate case $J \ll 11$ and the

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statements of F. Legay (Ref. 11: Canad. J. Phys., v. 38, 1960, 797)
the rotation-spin interaction was not observed (Ref. 12: I. Kovács.
Acta Phys. Hung., 13, 1961, in press). There are 12 references:
3 Soviet-bloc and 9 non-Soviet-bloc. The references to four
English language publications read as follows: Ref. 6: I. Kovács.
Canad. J. Phys. v. 37, 1959, 1171; Ref. 7: as quoted in text;
Ref. 9: I. Kovács, Canad. J. Phys., v. 38, 1960, 961; Ref. 11: as
quoted in text.

ASSOCIATION: Institut atomnoy fiziki, Politekhnikheskiy
universitet Budapesht (Institute of Atomic Physics,
Polytechnical University of Budapest)

SUBMITTED: April 24, 1961

Card 3/3

RGVACS, I.

On the anomalous splittings of the multiplet states in diatomic molecules. I. Acta phys Hung 15 no.1:1-10 '62.

1. Department of Atomic Physics, Polytechnical University, Budapest.

NOVACS, I.

Investigation of an arbitrary screw dislocation in a cylindrical elastic body. Acta phys Hung 15 no.1:11-27 '62.

1. Institute for Experimental Physics, Roland Eotvos University, Budapest. Presented by E. Nagy.

KOVACS, I.

Electrical resistivity change in silver deformed by torsion.
Acta phys Hung 15 no.1:65-70 '62.

1. Institute for Experimental Physics, Roland Eotvos University,
Budapest.

KOVACS, Istvan

Conducting ion beams in accelerators by means of magnetic fields. Fiz szemle 14 no.9:270-278 S '64.

1. Central Research Institute of Physics, Hungarian Academy of Sciences, Budapest.

KOVACS, Istvan

Continuum theory of dislocations. Pt.1. Magy fiz folyoir
13 no.2:181-194 '65.

1. Chair of Experimental Physics of the Lorand Eotvos
University, Budapest. Submitted July 19, 1964.

L 44035-66 EWT(1)/T/EWP(t)/ETI IJP(c) JD/GG

ACC NR: AP6032569

SOURCE CODE: HU/0034/65/013/002/0181/C194

AUTHOR: Kovacs, Istvan

ORG: Department of Experimental Physics, Eotvos Lorand Scientific University
(Eotvos Lorand Tudományegyetem Kísérleti Fizikai Tanszék)

TITLE: Continuum theory of dislocations. Part 1: Principles of the theory of dislocations

SOURCE: Magyar fizikai folyóirat, v. 13, no. 2, 1965, 181-194

TOPIC TAGS: crystal dislocation, material deformation

ABSTRACT: The following subjects were discussed: edge dislocation, helical dislocation, general dislocations, mechanism of permanent shape change, elbows and steps, general definition of dislocations, dynamics of permanent shape change, and forces bearing on the dislocations. The discussion was on a general basis and serves as an introduction to subsequent instalments dealing with the continuum theory of dislocations. Orig. art. has: 15 figures. [JPRS: 35,328]

SUB CODE: 20 / SUBM DATE: 19Jul64 / OTH REF: 008

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blg

L 32231-66

T/EWP(t)/ETI

IJP(c)

JD

ACC NR:

AP6020817

SOURCE CODE: HU/0034/65/013/005/0411/0418

AUTHOR: Kovacs, Istvan; Balazs, Janos

ORG: Department of Experimental Physics, Eotvos Lorand Scientific University
(Eotvos Lorand Tudomanyegyetem Kiserleti Fizikai Tanszek)

TITLE: Electrical resistance of lattice defects in metals 18

52
B

SOURCE: Magyar fizikai folyoirat, v. 13, no. 5, 1965, 411-418

TOPIC TAGS: electric resistance, lattice defect, metal crystal, gold, silver,
crystal lattice deformation

ABSTRACT: The resistance change observed in the ductile forming of polycrystalline metals was investigated theoretically and by experiments conducted at the temperature of 77°K. The forming included simultaneous stretching and twisting. Tests were performed on gold, silver, and copper. A clear relation between resistance increase and frequency of lattice dislocations and point defects was established. The data substantiating this conclusion were presented and verified on the basis of theoretical considerations. The authors thank Professor Elemer Nagy for valuable advice on this work. Orig art. has: 3 figures, 5 formulas, and 2 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: none / OTH REF: 026

LS
Card 1/1

L 46793-66 EWI(w)/EWP(t)/ETI/EWP(k) IJP() JD/EM

ACC NR: AP6032791

SOURCE CODE: HU/0034/65/013/005/0383/0397

AUTHOR: Chatel, Peter; Kovacs, Istvan

39
B

ORG: Department for Experimental Physics, ELTE (ELTE Kiserleti Fizikai Tanszek)

TITLE: Continuum theory²⁶ of dislocations. Part 2: Basic equations of the elastic continuum

16

SOURCE: Magyar fizikai folyoirat, v. 13, no. 5, 1965, 383-397

TOPIC TAGS: crystal dislocation, material deformation, elasticity

ABSTRACT: [Part 1 of this series was published Ibid., Vol 13, No 3, 1965, p 181] This instalment discusses the basic equations of the elastic continuum with the objective of using these equations in the calculation of internal stresses in subsequent instalments. The deformation tensor, the compatibility condition, equivalence conditions, the dynamic equation, the kinetic and potential energy, and the means for solution of general equations of the elastic continuum were discussed. A total of 46 equations were presented. Orig. art. has: 46 formulas. [JPRS: 35,328]

SUB CODE: 20 / SUBM DATE: 25Dec64 / ORIG REF: 002 / OTH REF: 002

Card 1/1

ldh

0830 0103

KOVACS, Istvan; MORAI, Erno

Transport and storage of hides by pallet. Bor cipo 15 no.2:
60-62 Mz '65.

1. Leather Industry Enterprise, Budapest.

KOVACS, Istvan

New Year's greeting. Gep 17 no.1:1 Ja '65.

1. Cochairman, Scientific Association of the Machine Industry,
and First Deputy Minister of Metallurgy and Machine Industry,
Budapest.

KOVACS, Istvan

Debate on the cooperation between the industry and foreign trade.
Muzs elet 20 no.7:2 8 Ap '65.

1. First Deputy of the Minister of Metallurgy and Machine Industry,
Budapest.

KOVACS, Istvan, dr.

General and special theory of the science of organization.
Munka szemle 7 no.8:21-23 Ag'63.

BOHM, Robert Gabor, okleveles gepeszmernok; KOVACS, Istvan, okleveles gepeszmernok.

Hungarian-manufactured high-power tractor engine. Jarmu mezo gep ll
no.5:186-192 My '64.

1. Designing Department, Csepel Automobile Factory.

KOVACS, Istvan

New Year's greeting. Jarmu mazo gep 12 no.1:1 Ja '65.

1. Vice-president, Scientific Association of the Machine
Industry, and First Deputy Minister of Metallurgy and Machine
Industry, Budapest.

KOVACS, Istvan

Some questions on the development of the machine building for chemical industries. Magyar lap 19 no. 2: 57-58 F '64.

1. Koho-es gepipari miniszter elso helyettese.

SZABO, Lajos, dr.; NOSZMULLER, Sandor; KOVACS, Istvan

Climatic investigations in the Abaliget cave. Term tud
kozl 7 no.9:426-427 S '63.

KOVACS, Istvan

New Year's greeting. Jarmu memo gep 11 no.1:1 Ja'64

1. Gepipari Tudományos Egyesület alelnöke; Koho- és gepipari miniszter első helyettese.

KOVACS, Istvan

Detection of toxic substances in the air by rapid analysis.Pt.1.
Munkavedelem 9 no.7/9:28-31 '63.

1. Szakszervezetek Orszagos Tanacsa Munkavedelmi Tudomanyos
Kutato Intezete.

KOVACS, Istvan

New Year's greeting. Gep 16 no.1:1 Ja'64.

1. Gepipari Tudomanyos Egyesulet alelnoke; Koho- es Gepipari
Miniszter elso helyettese.

KOVACS, Istvan, egyetemi tanar

Seventh European Congress on Molecular Spectroscopy. Magyar tud
70 no.11:774-775 N '63.

1. Budapesti Műszaki Egyetem; Magyar Tudományos Akadémia levelező
tagja.

KOVACS, Istvan, odleveles gepeszmernok

Some theoretical problems relating to the mechanical
all-operating regulator. Jarmu mezo gep 10 no.6:211-222
Je '63.

1. Csepel Autogyar Gyartmanyszerkesztési Foosztaly.

KOVACS, Istvan

Well-cultivated fields are manifesting the right efforts of
the peasantry. Munka 13 no.6:7-8 Je '63.

1. MEDOSZ fetitkara.

PETHO, Erzsé; KOVACS, István

In the wake of the Point 42 of the innovation plan. Ujit
lap 16 no.1:8-9 10 Ja'64

1. Elektromos Művel: Szabadvezetek Hálózat Főosztály vezetője
(for Kovacs).

PEREDI, Sander; MONATH, Lajos; RAPELIUS, Karl (Leipzig); CALLENBERG, Waldemar (Leipzig); LIPKA, Ceslav (Praha); FREIBERGER, Rudolf, dr. ing. (Praha); SCHENKEL, Gerhard, dr. ing. (Karlsruhe); MIKULSKI, Jan, dr. ing. (Katowice); FRATZSCHER, Wolfgang, dr. ing. (Drezda); BENEDIK, Istvan; CUKOR, Gyorgy; SAGI, Marton; SOVARY, Emil; NAGY, Csaba (Roman Nepkoltarsasag); ELEFTERESCU, M. (Roman Nepkoltarsasag); KOVACS, Istvan (Roman Nepkoltarsasag); LAZAR, Peter, dr.; MEJRO, Cz., prof. (Varso); KOKOVAY, Janos, dr.; SCHAEFER, Helmut, dr. ing. (Karlsruhe); BORBAS, Nandor; GRUHN, Gunther, Dipl. ing. (Drezda); SZABO, Benedek; GYORI, Attila; MOLNAR, Laszlo; RECZEY, Gusztav, dr.

Determination and application of specific power utilization indexes. Ipari energia 3 no.1/2:15-22 Ja-F '62.

1. Koho- es Gepipari Miniszterium Ipargazdasagi es Uzemszervezesi Intezete (for Perekdy).
2. Obudai Hajogvar (for Monath).
3. Orszagos Energiagazdalkodasi Hatosag (for Benedek and Reczey).
4. Magyar Tudomanyos Akademia Kozgazdasagtudomanyi Intezete (for Cukor and Sagi).
5. Eromu Tervezo Iroda (for Sovary).
6. Konnyuipari Miniszterium (for Kokovay).
7. Voros Csillag Traktorgyar (for Borbas).
8. Kotanyai Muanyaggyar (for Szabo).
9. Koho- es Gepipari Miniszterium Energiacszaly (for Molnar).

KOVACS, Istvan, dr., a mezogazdasagi tudomanyok kandidatusa

Problems relating to hybrid maize improvement. Elovilag
7 no.5:43-52 S-0 162.

1. Magyar Tudomanyos Akademia Mezogazdasagi Kutato Intezete,
Martonvasar.

SZABO, Lajos, dr.; KOVACS, Istvan; MOLNAR, Samuel

The Pecs conference on transportation noise. Pecs musz szeml 8
no.2:6-9 Ap-Je '63.

1. Pecs megyei jogu varos Kozegeszsegugyi es Jarvanyugyi Allomas
es Baranya Megyei Kozegeszsegugyi es Jarvanyugyi Allomas.

KOVACS, Istvan

Treatment of sewage and solution containing acrylonitrile.
Munkavedelem 9 no.4/6:7-9 '63.

1. Szakszervezetek (Országos Tanácsa Munkavedelmi Tudományos
Kutató Intézete.

KOVACS, Istvan

On the work of the Trade Union of Workers in Agriculture and Forestry. Munka 13 no.3:7-9 Mr '63.

1. MEDOSZ fotitkara.

KOVACS, Istvan, okleveles olajmernok; MEZO, Peter, okleveles olajmernok

Comparative analysis of shot boring and that with carbide insert
with special regard to the boring of hard rocks. Bany lap 96
no.2:103-105 F '63.

1. Dunantuli Molybdeno Vallalat, Pecs.

VARGA, Gyorgy; TOROK, Istvan; ZABRACZKY, Geza; TRAUTMAN, Rezso; KOVACS, Istvan; BARADZIEJ, Laszlone; PALFALVI, Andras; GROF, Jozsef

The 1961 national economic plan and the tasks of trade unions; the 9th plenary session of the National Council of Trade unions. Munka 11 no.2:1-6 F '61

1. Szakszervezetek Orszagos Tanacsa titkara, es Szerkeszto bizottsagi tag, "Munka". (for Varga)
2. Vasas Szakszervezet fotitkara (for Torok)
3. Tatabanyai Trosz tbizottsag titkara (for Zabraczky)
4. Epitesugyi miniszter, Budapest (for Trautman)
5. MEDOSZ fotitkara (for Kovacs)
6. Kistex szab titkara (for Baradziej)
7. Fejermegyei Szakszervezeti Megyei Tanacs vezeto titkara (for Palfalvi)
8. Vasutas Szakszervezet titkara (for Grof)

(Hungary--Economic policy)
(Hungary--Trade unions)

GULYAS, Zoltan; KOVACS, Istvan

Some questions relating to the farm and labor organization on state farms. Munka 11 no.5:11-12 My '61.

1. Szakszervezetek Országos Tanácsa termelési osztályának munkatársa (for Gulyas). 2. MÉDOSZ közgazdasági osztályának vezetője (for Kovacs)
(State farms)