

KOVACS, Ferenc.

Experience in the supervision of the thermal power equipment
at the Leningrad Power Supply Enterprise. Energia es atom
16 no.9:406 S'63

KOVACS, Ferenc

Safety engineering questions relating to belt conveyors.
Munkavedelem 6 no.7/9:10-15 '60.

1. "Munkavedelem" technikai szerkesztoje.

JOSFAY, Gyorgy; BERNHARDT, Gyula, szakmunkas, hibamegallapito csoportvezeto, hatvanhatszeres ujito; SPRENGER, Kornel, uzemtechnikus; GYOROK, Jozsef; BALOGH, Nandor, ujitasi eloado; KOVACS, Ferenc, ujitasi eloado; KOCSIS, Laszlo, formernok

Two questions on the role of television in the field of innovations.
Ujit lap 15 no.17:10 10 § '63.

1. Csepel Vas- es Femmuvek Fromu es Szolgaltato Uzeme.

KOVACS, Ferenc, dr. okleveles bányamérnök, egyetemi tanársegéd

Effect of technical development and the time factor of expenditure
on the critical depth of opencast working. Bány lap 97 no.3:160-163 '64.

1. Chair of Mining, Technical University of Heavy Industry, Miskolc.

KOVACS, Fr., inz.; RIMAN, A., prof., dr. inz.

"Protection against mine waters" by [dr. inz.] Zoltan Ajtay
and others. Reviewed by Fr. Kovacs, A. Riman. Uhli 5 no.8:
295-296 Ag '63.

1. Dul president Gottwald, Sucha (for Kovacs).
2. Vysoka skola banska (for Riman).

KOVACS, Fr.; PERJU, Dan; CRUDU, Mihai; MULLER, Alex.

On some correlations between the tolerances of spur gear
wheels with straight teeth. Bul St si Tehn Tim 9 no.2:
409-418 J1-D '64.

KOVACS, G.; KOVACS, J.

Important game diseases in the Bukk Mountains. p. 68. (Az Erdo, Vol. 6, No. 2, Feb 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000825430008-1"

HUNGARY / Microbiology. General Microbiology. Growth and Development of Microbial Population. F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5400.

Author : Vas, K.; Kovacs, G.

Inst : Not given.

Title : Effect of Some Derivatives of 8-Oxyquinoline Upon Spore Germination of Bacillus Cereus.

Orig Pub: Elelm. ipar, 1957, 11, No 9-10, 202-205.

Abstract: No abstract.

MARKUS, J.; FESUS, L.; KOVACS, G.

Haemoglobin types and their frequencies in the Hungarian spotted cattle. Acta veterin. acad. sci. Hung. 15 no.2:197-204 '65

1. Department of Animal Nutrition (Director: Prof. J. Markus), University of Veterinary Sciences, Budapest).

KOVACS, Gabor

Poorly planned constructions. Musz elet 17 no.21:5 11 0 '62.

KOVACS, Gabor

Microwave amplifiers, Radiotechnika 14 no.2:64-66 F'64.

KOVACS, Gabor

Faults at the Csepel Pipe Factory. Musz elet 17 no.11:5 24
My '62.

S/190/62/004/012/013/015
B101/B186

AUTHORS: Hardy, D., Nitray, K., Fedorova, N., Kovács, G.

TITLE: Polymerization of cetyl methacrylate

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 12, 1962,
1872-1878

TEXT: Polymers with a vitrification temperature of 20-25°C and an intrinsic viscosity of 1.60-3.45 were obtained in the course of a study of the polymerization kinetics of cetyl methacrylate in the presence of benzoyl peroxide in N₂ atmosphere at 50-80°C. The degree of conversion was a linear function of time. Polymerization ceased at 66% conversion. No region of accelerated polymerization was observed as with other acrylates and methacrylates. The following data are given: constant k_i of the initiation rate, 3.09·10⁻⁶; constant k_g of the chain growth, 98 at 30°C; k_g/k_t^{1/2} = 0.065 at 30°C, 1.080 at 70°C, where k_t is the constant of chain termination; furthermore, k_g/k_t^{1/2} = 42.3 exp(-2500/RT).

Card 1/2

Polymerization of cetyl...

S/190/62/004/012/013/015
B101/B186

The gross activation energy of polymerization is 17.8 kcal/mole, $E_g - 0.5 E_t = 2.4$ kcal/mole (E_g = activation energy of the chain growth, E_t = activation energy of termination). The chain transfer coefficient C_M at 70°C is $1.4 \cdot 10^{-5}$ for the monomer, $9.83 \cdot 10^{-5}$ in the presence of CCl_4 , and $20.5 \cdot 10^{-5}$ in the presence of isopropyl benzene. The initiation efficiency f is only 0.14. These low values, as compared with other acrylates and methacrylates, are explained by the high molecular weight and the high viscosity of cetyl methacrylate. There are 4 figures and 4 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut plastmassovoy promyshlennosti Budapest (Scientific Research Institute of the Plastics Industry, Budapest)

SUBMITTED: June 16, 1962

Card 2/2

KOVACS, Gabor, okleveles muszermornok

Precision machining of the surface of the elements of dynamometric cells. Finomechanika 2 no. 10:317-319 0 '63.

HARDY, Gyula; NYITRAI, Karcly; FEDOROVA, Natalia; KOVACS, Gabor

Cetyl-methacrylate polymerization. Magyar kem folyoir 69 no.1:
42-46 Ja '63.

1. Muanyagipari Kutato Intezet, Budapest.

ROZSA, Laszlo, dr.; KOVACS, Gabor

Improving the watertightness of ore-dressing plants by injection.
Magy ep ipar 10 no.6:266-268 '61.

HUNGARY

PETRI, Gabor, Dr, KOVACS, Gabor, Dr; Medical University of Szeged, I. Surgical Clinic (Szegedi Orvostudományi Egyetem, I. sz. Sebészeti Klinika).

"The Effect of Surgical Trauma on the Metabolism of the Patient."

Budapest, Orvosi Hetilap, Vol 104, No 27, 7 July 1963, pages 1249-1257.

Abstract: [Authors' Hungarian summary] The authors tested 1-2 hour samples of urine and the electrolyte and nitrogen excretion of 26 surgical patients continuously for 36 hours after the operation. Four healthy control individuals, resting in bed without food or liquid intake and not exposed to surgery, were also tested. It was found that the diuresis decreases immediately after the surgery and i.v. administration of a 5 per cent dextrose solution will not increase its rate. The Na and Cl excretion also decreases, K excretion increases. This change is independent of the serum electrolyte concentration or of the glomerular filtration rate and has been found in every patient. Inorganic phosphate excretion increases, due to a decrease in the tubular phosphate resorption. In cases of total thyroidectomy this phenomenon is not observed and phosphate excretion actually decreases below normal. This is assumed to be due to an increased function of the parathyroids. The N excretion did not increase, in fact, it was somewhat lower than in the controls. Deep barbiturate anesthesia delayed these changes during the sleep but they developed after awakening. It is concluded that the postoperative changes in water and electrolyte metabolism are primary, due to the surgery, and they may have a common central mechanism due to the function of several endocrine or-

1/2

L 17684-66 EWP(j)/T WW/RM

ACC NR: AT6009218

SOURCE CODE: HU/2502/65/043/002/0121/0128

AUTHOR: Hardy, Gyula--Khardi, D'. (Doctor; Budapest); Nyitray, Karoly--Nitrai, K. (Budapest); Kovacs, Gabor--Kovach, G. (Budapest); Fedorova, Natalia (Budapest)

42
B+1

ORG: Research Institute for the Plastics Industry, Budapest

TITLE: Investigations in the field of radiation-induced solid-state polymerization. Part 1: Cetyl methacrylate

7,44,35

SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 43, no. 2, 1965, 121-128

TOPIC TAGS: polymerization, radiation polymerization, cobalt, polymerization rate, polymerization kinetics, polymerization degree

ABSTRACT: The kinetics of the polymerization of cetyl methacrylate was investigated in the solid state under irradiation from Co-60 within the -195° to +60°C temperature range. Owing to an increased degree of molecular mobility, the polymerization rate significantly increased at temperatures near the melting point. There was evidence of solid-state phase transformation at around -16°C. Although radical inhibitors were found to be effective, the polymerization reaction was considered to be of the anionic nature. The polymerization degree was shown to be a function of cetyl methacrylate concentration. Orig. art. has: 8 figures and 1 formula. [JPRS]

SUB CODE: 07 / SUBM DATE: 09Mar63 / OTH REF: 007 -

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Card 1/1

2

KOVACS, Gabor

Use of calculating machines in the chemical industry. Magyar Kem
lap 18 no.8:404 Ag '63.

1. "Magyar Kemikusok Lapja" rovatvezetoje.

KOVACS, Gabor

Television contacts on microwaves, Pt. 2. Radiotechnika 13
no.9:344-345 S '63.

ROZSA, Laszlo, dr., a muszaki tudományok kandidátusa; KOVACS, Gabor;
KOHLMANN, Laszlo

Stresses and deformations caused by tangential forces acting on
the perimeter of the circular cut situated on an elastic plane.
Építés közleked tud közl 7 no.1/2:105-120 '63.

PETRI, Gabor, dr.; KOVACS, Gabor, dr.

The effect of surgical trauma on the metabolism of the surgical patient. Orv. hetil. 104 no.27:1249-1257 J1 7 '63.

1. Szegedi Orvostudományi Egyetem, I sz. Sebészeti Klinika.
(SHOCK, SURGICAL) (METABOLISM)
(WATER-ELECTROLYTE BALANCE)

KOVACS, Gabor; ROZSA, Laszlo, dr., a mizsaki tudomanyok kandidatusa

Determination of stresses developing in tunnel walls with regard to friction between the tunnel walls and rocks. Epites kozleked tud kozl 7 no.1/2:121-133 '63.

HARDY, Gyula; NYITRAY, Karoly; KOVACS, Gabor; FELGROVA, Natalia

Research in the field of solid-phase radiation polymerization.
Pt.1. Magyar kém folyoir 69 no.10:437-441 0 '63.

1. Muanyagipari Kutato Intezet, Budapest.

ROZSA, Laszlo, dr., a muszaki tudomanyok kandidatusa; KOVACS, Gabor;
KOHLMANN, Laszlo

Stresses and deformations caused by tangential forces acting on
the perimeter of the circular cut situated on an elastic plane.
Epites kozleked tud kozl 7 no.1/2:105-120 '63.

HARDY, Gyula; NYITRAY, Karoly; KOVACS, Gabor; FEDOROVA, Natalia

Research in the field of solid-phase radiation polymerization.
Pt.3. Magyar Folyoir 69 no.10:447-448 0'63.

1. Muanyagipari Kutato Intezet, Budapest.

KOVACS, Gabor

Television microwave communication. Radiotechnika 13 no.7:
254-255 J1 '63.

KOVACS, Gabor

Dimensioning of magnetically pretreated iron-wood coils, Radiotechnika
14 no.9:351-353 9-1964.

FEHER, Istvan, dr., Kossuth-dijas; WEITZNER, Peter; SOMOS, Istvan; NAGY, Jozsef;
ERDI, Pal, dr.; KOVACS, Gabor; ARVAI, Bela; TOTI, Geza, dr.; DEMBES,
Laszlo

The 1964 general meeting arranged by the Scientific Association of
the Leather Industry. Bor sipó 14 no.4:97-99 JI 1964.

1. Director, Research Institute of the Leather Industry; Editor-in-
Chief, "Bor- es Cipotechnika" (for Feher). 2. Secretary General,
Scientific Association of the Leather Industry (for Weitzner). 3.
Minister of Light Industry, Budapest (for Nagy). 4. Editorial board
member, "Bor- es Cipotechnika" (for Erdi). 5. Szombathely Shoe Factory
(for Kovacs and Arvai). 6. Leather Industry enterprise (for Toth). 7.
Tisza Shoe Factory (for Dembes).

HALMAGYI, D.,; FELKAI, B.,; SOVENYI, E.,; WEBER, A.,; CZIPOTT, Z.,;
KOVACS, G.,; STEINER, B.

Pulmonary circulation in essential pulmonary hemosiderosis. *Magy. belorv. arch.* 8 no.6:188-191 Dec. 55

1. A szegedi Orvostudományi Egyetem I. Belklinikája (igaz: Hetenyi Geza dr. akadémikus) Szívbetegosztályának közl.

(HEMOCHROMATOSIS

hemosiderosis, essential pulm., pulm. circ. in,
relation to hypertension (Hun))

(BLOOD CIRCULATION

pulm., in essential pulm. hemosiderosis (Hun))

(HYPERTENSION

pulm., relation to essential pulm. Hemosiderosis (Hun.))

HALMAGYI, D.dr.,; FALKAI, B.dr.,; KOVACS, G.,dr.,; CZIPOTT, Z.dr.,;
SOVENYI, M.,dr.

Simultaneous occurrence of Wolff-Parkinson-White syndrome, and
congenital, isolated, pulmonary stenosis. Orv. hetil. 96 no.42:
1172-1173 16 Oct 55.

1. A Szegedi Orvostudományi Egyetem I. sz. Belgyógyászati Klinikája
(igazgató: Hetenyi Géza dr. Akadémikus) Szívbetegosztályának
közleménye.

(HEART BLOCK

Wolff-Parkinson-White synd. with congen. isolated
pulm. stenosis)

(PULMONARY STENOSIS

congen., isolated, with Wolff-Parkinson-White synd.)

KOVACS, G. S.

1954. Lipemia clearing effect of chlorpromazine. D. M. Kovacs,
G. S. Kovacs, and G. Peter *Experiments, Basel*, 1954, 12: 376-377
(Inst. of Exp. and Operative Surg., Univ. Med. Sch., Sziged,
Hungary). Chlorpromazine exerts its lipemia clearing effect by
mobilizing endogenous heparin and this effect is inhibited if pro-
teinase sulphate is administered before the chlorpromazine.

H. S. TOSKI

HUNGARY / Human and Animal Physiology. Inner Secretion.

T-7

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3520

Author : Kovacs, K.; Kovacs, B.; Kovacs, G.; Petri, G.

Inst : Not given

Title : Cortisone and the Mechanism of Antidiuretic Hormone Activity

Orig Pub : Kiserl. orvostud., 1957, 9, No 2, 125-129

Abstract : By means of probes, a volume of water equal to 5% of the body weight was introduced into the stomachs of male rats weighing 200 gm; 2 hours later the administration of water was repeated. At the time of the second waterload, some of the rats received 10 mg cortisone, 20 units of pituitrin, cortisone plus pituitrin, 0.5 mg/100 gm nicotinic acid, or cortisone plus nicotinic acid. Cortisone increased the diuresis, pituitrin and nicotinic acid inhibiting (in 90 minutes only 20% of the

Card 1/2

Kovacs, Gabor

KOVACS, Kalman; KOVACS, Gabor; KOVACS, Bertalan; PETRI, Gabor

Effect of largactil on the functioning of the antidiuretic hormone.
Magy. belorv. arch. 10 no.4:101-103 Aug 57.

1. A Szegedi Orvostudományi Egyetem I. sz. Belklinikájának (igazgató: Hetenyi Geza dr. egyetemi tanár) és Sebészeti Műtettani Intézetének (igazgató: Petri Gabor dr. egyetemi tanár) közleménye.

(CHLORPROMAZINE, eff.

on antidiuretic action of vasopressin (Hun))

(VASOPRESSIN, eff.

antidiuretic action, influence of chlorpromazine (Hun))

KOVACS, Bertalan, Dr.; KOVACS, Gabor, Dr.; KOVATS, Tibor, Dr.; KOVACS, Kalman, Dr.;
PETRI, Gabor, Dr.

Effect of surgical trauma on salt excretion in dogs. Magy. sebészet
10 no.5-6:289-296 Oct-Dec 57.

1. A Szegedi Orvostudományi Egyetem Sebészeti Műtettani Intézetének (igazgató: Petri Gabor dr.) és I. sz- Belklinikájának (igazgató: Hetenyi Geza dr.) közleménye.

(SURGERY, OPERATIVE, eff.

on urinary excretion of sodium chloride in dogs (Hun))

(SODIUM CHLORIDE, metab.

eff. of surg. trauma on urinary excretion in dogs (Hun))

KOVACS, Gabor, Dr.

KOVACS, Kalman, Dr.; KOVACS, Gabor, Dr.; KOVACS, Bertalan, Dr.; PETRI, Gabor, Dr.

Effect of preoperative psychic anxiety on the antidiuretic activity of the serum. Orv. hetil. 98 no.47:1294-1296 24 Nov 57.

1. A Szegedi Orvostudományi Egyetem I. sz. Belgyógyászati Klinikájának (igazgató: Hetenyi Geza dr. egyet. tanár) és Sebészeti Műtettani Intézetének (igazgató: Petri Gabor dr. egyet. tanár) közleménye.

(ANXIETY

eff. of preop. anxiety on antidiuretic activity of blood (Hun))

(DIURESIS

antidiuretic activity of blood, (eff. of preop. anxiety (Hun))

(BLOOD

antidiuretic activity, eff. of preop. anxiety (Hun))

KOVACS, Gabor, Dr.; KOVACS, Bertalan, Dr.; KOVACS, Kalman, Dr.; PETRI, Gabor, Dr.

Effects of preoperative drug therapy and surgical trauma on the antidiuretic activity of the blood. Orv. hetil. 98 no.52:1442-1446
29 Dec 57.

1. A Szegedi Orvostudományi Egyetem sebészeti Műtettani Intézetének (igazgató: Petri, Gabor, dr. egyet. tanár) és I. sz. Belgyógyászat; Klinikájának (igazgató: Hetenyi, Géza dr. egyet. tanár) közleménye.

(SURGERY, OPERATIVE

eff. of preop. drug ther. & surg. trauma on antidiuretic activity of blood (Hun))

(BLOOD

antidiuretic activity, eff. of preop. drug ther. & surg. trauma (Hun))

(DIURESIS

antidiuretic activity of blood, eff. of preop. drug ther. & surg. trauma (Hun))

KOVACS, K.; KOVACS, G.S.; KOVACS, B.M.; PETRI, G.

Increased antidiuretic activity of human sera in the preoperative period. Acta med. hung. 11 no.3:337-342 1958.

1. 1st Department of Internal Medicine and Institute of Experimental and Operative Surgery, University Medical School, Szeged, Hungar.

(BLOOD SERUM

antidiuretic activity in preop. periods)

(DIURESIS

antidiuretic activity of blood serum in preop. periods)

(SURGERY, OPERATIVE

preop. antidiuretic activity of blood serum)

KOVACS, G.S.; KOVACS, B.M.; KOVACS, K.; PETRI, G.

Effect of preoperative medication and surgery on the antidiuretic activity of human blood. Acta med. hung. 12 no.3-4:201-213 1958.

1. Institute of Experimental and Operative Surgery and the 1st Medical Clinic, University School of Medicine, Szeged, Hungary.

(ANESTHESIA

premedication, eff. on antidiuretic activity of blood)

(DIURESIS

antidiuretic activity of blood, eff. of premedication & surg)

~~KOVACS, Gabor, Dr.;~~ KOVACS, Bertalan, Dr.; KOVATS, Tibor, Dr.; KOVACS, Kalman, Dr.
PETRI, Gabor, Dr.

Effect of neuroplegia on the surgical antidiuresis of dogs. Orv. hetil.
99 no.6:186-189 9 Feb 58.

1. A Szegedi Orvostudományi Egyetem Sebészeti Műtettani Intézetének
(igazgató: Petri Gabor dr. egyet. tanár) és I. sz. Belgyógyászati
Klinikájának (igazgató: Hetenyi Géza dr. egyet. tanár) közleménye.

(SURGERY, OPERATIVE, compl.

postop. oliguria in exper. surg. of dogs, prev. by artif.
hibernation (Hun))

(ANURIA, exper.

same)

(HIBERNATION, ARTIFICIAL, eff.

prev. of postop. oliguria in exper. surg. of dogs (Hun))

TARNOKY, Klara; KOVACS, Gabor

Complexometric determination of calcium and magnesium. Kiserletes
Orvostudomány 11 no.4:440-443 August 1959.

1. Szegedi Orvostudományi Egyetem I. sz. Sebészeti Klinikája.
(CALCIUM, urine)
(MAGNESIUM, urine)

TARNOKY, Klara; KOVACS, Gabor

A simple method for the determination of serum albumin level.
Kiserletes Orvostud. 12 no.5:499-501 O '60.

1. Szegedi Orvostudományi Egyetem I. sz. Sebészeti Klinikája.
(SERUM ALBUMIN pharmacol)

BALAZS, Viktor, dr.; KOVACS, Gabor, dr.

"Acute phase reactions" in the postoperative period. Orv.hetil.
101 no.41:1455-1458 9 0 '60.

1. Szegedi Orvostudományi Egyetem, I. sz. Belgyógyászati Klinika
és I. sz. Sebészeti Klinika.
(SURGERY, OPERATIVE blood)
(C-REACTIVE PROTEIN)
(LEUKOCYTES)
(BLOOD SEDIMENTATION)

PETRI, G.; KOVACS, G.S. (Szeged)

Contribution to the problem of so-called postoperative enteritis.
Polski przegl. chir. 33 no. 7/9:856-858 '61.
(SURGERY OPERATIVE compl) (ENTERITIS etiol)

KOVACS, Gabor, dr.; KOVACS, Kalman, dr.

On the diagnostic value of prescalene biopsy (Daniels' operation).
Orv. hetil. 102 no.52:2449-2453 D '61.

1. Szegedi Orvostudományi Egyetem, I Sebészeti Klinika és I Belklinika
Korszóvettani Laboratorium.

(LYMPH NODES pathol) (BIOPSY)

KOVACS, Gabor, dr.; PEPO, Janos, dr.; LELEK, Imre, dr.

Our experiences with Seldinger's arterial catheterization. Orv.
hetil. 103 no.50:2369-2376 16 D '62.

1. Szegedi Orvostudományi Egyetem, I. Sebészeti Klinika és
Röntgenklinika.

(CATHETERIZATION) (ARTERIES) (ANGIOGRAPHY)

HUNGARIAN

KOVÁCS, János, Dr. FÉCŐ, János, Dr. FÉLVAI, Béla, Dr; Medical University of Szeged, I. Surgical Clinic and I. Medical Clinic (Szegedi Orvostudományi Egyetem, I. Sebészeti Klinika és I. Belgyógyászati Klinika).

"Transseptal Catheterization of the Left Side of the Heart."

Magyar Orvosi Hírlap, Vol 104, No 9, 3 Mar 63, pages 395-401.

Abstract: [Authors' Hungarian summary] The authors give a summary of the technique of catheterization of the left side of the heart and their clinical application. The transseptal catheterization is described in detail. The technique was used on 29 patients with successful result in 27 of the cases. Serious complications were not encountered. The technique described by the authors is simple, safe and can be used in any cardiologic laboratory. Good quality pressure curves were obtained and pathological changes in the left side could be diagnosed accurately. Some characteristic pressure curves are reproduced. 7 Hungarian, 25 foreign references.

12/1

KOVACS, Gabor, dr.; PEPO, Janos, dr.; FELKAI, Bela, dr.

Transseptal catheterization of the left heart. Orv. hetil. 104 no.9:
395-400 3 Mr '63.

1. Szegedi Orvostudományi Egyetem, I. Sebészeti Klinika és I.
Belgyógyászati Klinika.

(HEART CATHETERIZATION)

[POLAND-HUNGARY

PEPPI, G. and KOVACS, G. S., First Surgical Clinic of the
Medical Academy in Szeged (Hungary) [Original version not
given] [Translation of English text by KLECZKOWSKI, Bogdan
(Affiliation not given)]

"Effect of the Stress of Operation on the Metabolism of the
Patient."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13
May 63, pp 674-680.

Abstract: [Authors' English summary modified] Authors'
determinations revealed that following an operation, the
volume of the urine, as well as the sodium and chloride in
it decreased, while the osmolality of the urine and the po-
tassium in it increased -- electrolyte findings being inde-
pendent of concentration level in the blood or glomerular
filtration rate. Phosphate output increased (decreased
tubular reabsorption) except in cases of thyroidectomy.
Nitrogen did not increase, and sometimes even decreased.
Authors suggest that these operation effects are probably
elicited by some mechanism regulating the endocrine system.
[There are no references.]

KOVACS, G.S.; PETRO, J.

Demonstration of increased bronchopulmonary collateral flow
in chronic destructive lung disease. Acta chir. acad. sci.
Hung. 5 no.2:165-168 '64.

1. First Department of Surgery and Institute of Experimental
Surgery (Director: Prof. G. Petri), University Medical School,
Szeged.

FELKAI, Bela, dr.; KOVACS, Gabor, dr.; FEPO, Janos, dr.

Diagnostic possibilities of modern cardiological methods in
the detection of mitral defects. Orv. hetil. 105 no.50:2353-
2362 13 D '64.

1. Szegedi Orvostudományi Egyetem, I. Belklinika (igazgató:
Julesz Miklos dr.) es I. Sebészeti Klinika (igazgató: Petri
Gabor dr.)

PETRI, Gabor, dr.; KOVACS, Gabor, dr.

Transventricular mitral commissurotomy. Orv. hetil. 105
no.51:2417-2422 20 D '64.

1. Szegedi Orvostudományi Egyetem, I. Sebészeti Klinika
(igazgató: Petri Gabor dr.).

KOVACS, G.S.; PEPO, J.

Use of selective arterial dilation in the study of increased bronchopulmonary collateral circulation in chronic destructive lung disease. Acta. chir. acad. sci. Hung. 5 no.4:291-305 '64.

1. First Department of Surgery (Director: Prof. G. Petri), University Medical School, Szeged.

KOVACS, Geza

"Family club evening" in Szeged. Magyar kisliparos 6 no.3:2 F '62.

1. A noi szabó szakosztály elnöke, Szeged.

KOVACS, Geza, dr.

On health aspects of gymnastics in a working plant. Nepegeszegygy
44 no.2:48-51 F '63.

(INDUSTRIAL MEDICINE) (GYMNASTICS)

KOVACS, Geza, orvos-felsoado

The new system of the aptitude test for motor vehicle drivers.
Auto motor 17 no. 14:24 21 J1 '62.

1. Ministry of Health, Budapest.

KOVACS, Geza, dr., orvos felelado

Reasons for denying motor vehicle driver's licenses determined
by medical examination. Auto motor 17 no.15:23-24 6 Ag '64.

KOVACS, Geza, dr.

Some questions of medical examination of motor vehicle drivers.
Auto motor 17 no.19:24 6 0 '64.

BALINT, Andor, tanszekvezeto egyetemi tanar; SUKA, Jozsef; KOVACS, Gezane

Comparative cytological and physiological examination of maize
lines treated with irradiation and ethyl methane sulphonate.
Biol kozl 12 no.1:11-15 '64.

1. Chair of Plant Improvement of the University of Agriculture.

KOVACS, Gy.

"Trilac one-phase synchronous motors" by E. Luxmo. Reviewed
by Gy. Kovacs. Mérés Automat 11 no.7:221 '63.

KOVACS, Gy.; FEHER, Gy.

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2197. Kovacs, G. and Kovacs, G. Small models for the joint consideration of the forces of gravity and friction (in Hungarian). *Hidrologiai Közlemények* 1/36, 1952, July/Aug. 1952. Besides the Froude number and Frensch's law, the introduction of a new model law is recommended which is suitable for joint consideration of the forces of gravity and friction. The possibility of applying these formulas to slightly distorted movements of underground water in porous media is discussed. The proposed equations can be best used in research and for the evaluation of fluid movements in porous media and in model experiments conducted on various scales. According to the new law, a mechanical similarity exists in respect to the undistorted model as regards the joint effect of gravity and friction forces, when the computed values are identical in the model and in reality. *Courtesy of Hungarian Technical Abstracts* P. Masella

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77. Principles for computing models with unsteady beds - *Trágyeltek mozgóméretű kisminték számításához* - G. Kovács. (*Journal of Hydrology - Hidrológiai Közlemény* - Vol. 32, 1952, No. 11-12, pp. 450-459, 3 figs.)

Similarities cannot be maintained when calculating models of hydraulic structures since they involve changes in the movement of water and sediments. In such cases distorted models have to be made. Small models with movable beds should always be distorted in order to avoid a colloidal state of the sediments. The physically correct solution is that which maintains the same distortions for both dip and depth. In accordance with this principle a method of calculation is obtained by which the movement of sediments starts under identical hydrological conditions in reality and in the model. The next step is the evaluation of hydrological data on the distorted model. By this procedure the hydraulic similarity of both movements can be ensured. However, similarity of movement must not only be ensured in the initial stage, the ratio of the quantities of the moving sediment and water must be definite for all cases. The proposal referring to the above must be subjected to further detailed laboratory investigations. Finally the technological requirements needed to satisfy the suggested method of calculation are formulated and the possibility of the solution offered. P. Masella

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On gently sloping river sections the passage of the flood wave may involve great variations of backwater surface. In such cases the determination of daily flow ratings on the basis of observed water stages is made by a three-parameter formula in which the slope of the water surface is an auxiliary variable. Since there is no univocal relation between water stages and ratings the head on the power plant cannot be unequivocally determined as a function of flow ratings. This means that for turbine design the linkage between runner blades and guide vanes must be regulated according to a three-dimensional constrained path. The higher cost for this type of regulating equipment must be balanced by the attainable increase in energy output. Proper regulation also calls for short-term forecasts on flow ratings and on tailwater surface curves.

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The continuity and momentum equations are applied to unsteady flow in a wide channel with uniform depth and infinite width. The discharge curve is assumed as a straight line for the rising branch and a variable of $1/\sqrt{y}$ power for falling branch. The slope was computed for permanent and uniform flow subsequently, it was corrected for slope of natural channel, multiplying it by a factor $1/\sqrt{2}$, where h is depth and n is a hydraulic exponent in the Manning's equation of uniform flow. Differential equations are to be solved graphically. The explained way can be applied to the prediction of flood waves, determination of channel storage, and operation of reservoirs.

S. Kolosali, USA

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Institute of Veterinary Medical University, Institute of Anatomy and Histology (director: KOVACS, Gy., professor) (Allatorvostudományi Egyetem, Anatómiai és Szövetani Intézet), Budapest, and University of Agrarian Sciences, Institute of Animal Anatomy and Physiology (director: SZEP, I., docent) (Agrartudományi Egyetem, Allatanatómiai és Élettani Intézet), Godollo.

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Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol XVI, No 4, 1966, pages 391-412.

Abstract: [German article] A brief literature survey is followed by detailed descriptive anatomical data with emphasis on the radioanatomical aspects. X-ray pictures taken in the frontobasial and transversal direction are presented with a detailed, schematic explanation of the shadows. 5 Eastern European, 1 Western references. [Manuscript received 20 Feb 66.]

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