

MATOSHIN. V.M.

Fifth All-Russian Conference on Physical Training and Sports.
Medical Control and Therapeutic Physical Culture. Zdrav.Ros.
Fedar. 7 no.7:40-42 J1'63. (MLA 16:9)
(EXERCISE THERAPY—CONGRESSES)
(PHYSICAL EDUCATION AND TRAINING—CONGRESSES)

MATOSHIN, V.M. (Ternopol')

Exercise therapy in paralyzes and pareses of a central origin.
Med. sestra 22. no.4:22-27 Ap '63. (MIRA 16:7)
(PARALYSIS) (EXERCISE THERAPY)

MATOSHIN, V.M. (Makhachkala)

Exercise therapy as a part of the compound treatment of surgical patients. Khirurgiia 39 no.9:145-149 S*63 (MIRA 17:3)

MATOSHIN, V.M.

Differences in the temperature reaction in the paralyzed and normal halves of the body in spastic paralysis; Clinicofunctional comparisons. Zhur. nevr. i psikh. 63 no.9:1357-1360 '63.

(MIRA 17:8)

1. Kafedra gosptal' noy terapii (zav. - dotsent A.G. Lepyavko) i kafedra nervnykh bolezney (zav. - prof. A.A. Yarosh) Ternopol'skogo meditsinskogo instituta.

MATOSHIN, V.M.

Review of A.F. Kaptelin's book "Prophylaxis of some deformations of the locomotor apparatus in children."

Vop. kur., fizioter. i lech. fiz. kul't. 29 no.1:

84-86 '64.

(MIRA 17:9)

1. Zaveduyushchiy kafedroy fizicheskogo vospitaniya, lechebnoy fizicheskoy kul'tury i vrachebnogo kontrolya Dagestanskogo meditsinskogo instituta.

MATOSHINA, D.G.; MATOSHIN, V.M. (Ternopol')

Problems in the therapeutic and prophylactic use of physical
exercises in diseases of the organs of circulation and respiration
at the All-Union Conference on Medical Control and Exercise
Therapy. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.3:282-285 M7-Je
'62. (MIRA 15:9)

(EXERCISE THERAPY--CONGRESSES) (RESPIRATORY ORGANS--DISEASES)
(BLOOD--CIRCULATION, DISORDERS OF)

FOKIN, Ye.P.; RYULINA, A.I.; MATOSHINA, K.I.

Interaction of 2,3-dichloro- and 2-chloro-3-arylamino-1,4-naphthoquinones with piperidine. *Izv. SO Akv SSSR no.11 Ser.khim.nauk no. 3:127-129 '63.* (MIRA 17:3)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR.

RYUMINA, A.I.; MATOSHINA, E.I.; FURIN, Ye.P.

Interaction of benzene solutions of 2,3-dipiperidyl-1,4-naphtho-
quinone with hydrogen halides. Izv. SO AN SSSR no.7 Ser. khim.
rauk no.2:150-151 '64 (MIRA 18:1)

1. Novosibirskiy institut organicheskoy khimii sibirskogo otd-
leniya AN SSSR.

FOKIN, Ye.P.; KONSTANTINOVA, A.V.; KATOSHINA, K.I.

Interaction of aminohalonenthraquinones with morpholine, *mono-*,
and diethanolamines. Zhur. org. khim. 1 no.11:2012-2019 N '65.
(MIRA 18:12)

1. Novosibirskiy institut organicheskoy khimii Sibirakogo
otdeleniya AN SSSR. Submitted November 27, 1964.

MATOSHKO, I.V. [Matoshka, I.V.]; VECHER, A.S. [Vechar, A.S.]

Amount of nucleic and other forms of phosphorus in maturing
lupine seeds. Vestsi AN BSSR.Ser.Bial.nav. no.2:56-61 '62.
(MIRA 15:8)

(LUPINE) (PHOSPHORUS METABOLISM)
(SEEDS)

MATOSHKO, I.V.; VECHER, A.S.

Nitrogen containing substances in ripening lupine seeds.
Bot.; issl.Bel.otd.VBO no.7:10-20 '65.

(MIRA 18:12)

MATOSHKO, I.V.; VECHER, A.S.

Changes in the content of phosphorus compounds, total and protein nitrogen in ripening lupine seed germs. Dokl. AN BSSR 9 no.2:127-130 F '65. (MIRA 18:5)

1. Otdel genetiki i tsitologii, Institut eksperimental'noy botaniki i mikrobiologii AN BSSR.

VECHER, A.S.; MATOSHKO, I.V.

Accumulation of nucleic and other forms of phosphorus, total and protein nitrogen in maturing lupine seeds. Biokhimiia 30 no.5:939-946 S-O '65. (MIRA 18:10)

1. Institut eksperimental'noy botaniki i mikrobiologii AN BSSR, Minsk.

TURBIN, N.V., akademik; BORMOTOV, V.Ye.; SAVCHENKO, V.K.; MATOSHKO, I.V.

Nucleic acid content in the pollen of diploid and tetraploid
sugar beets. Dokl. AN SSSR 161 no.2:463-465 Mr '65.

1. Otdel genetiki i tsitologii AN BSSR. 2. AN BSSR (for Turbin). (MIRA 18:4)

L 13829-66 EWT(a)/EWT(m)/EWT(w)/ IJP(a) EM

ACC NR: AP6001244

(A)

SOURCE CODES: UR/0198/65/001/011/0045/0051

AUTHOR: Matsenko, S. I. (Kiev)

ORG: Institute of Mechanics, AN URSSR (Institut mekhaniki, AN URSSR)

25
B

TITLE: On the bearing capacity of plates under deflection

SOURCE: Prikladnaya matematika, v. 1, no. 11, 1965, 45-51

RUPTC TAGS: plate, rectangular plate, stress analysis, stress distribution, plate deflection, plate stability, nonspecific structure

ABSTRACT: A study is made of the bearing capacity of hinge-jointed rectangular plates under a uniformly distributed loading. The Mises plasticity condition variational equation of equilibrium for the elasto-plastic problem is utilized, and is solved by the successive approximation

$$\delta_A \left[\int_{\Omega} \frac{\sigma^2}{2G_0} \left(\frac{\Phi_1}{1-\nu_{p-1}} - \Phi_2 \right) d\Omega - \int_{\Omega} q u d\Omega \right] = 0$$

Quantities in the formula are: δ_A the variation index; G_0 shear modulus; A is an undetermined variable coefficient; x is a coordinate point of a transverse section of the plate and is measured from the median surface; $\nu(t-1)$ and $\mu(t-1)$ are plasticity and compressibility functions taken from the preceding approximation; $\Phi_1 = (\bar{u}_x + \bar{u}_y)^2$

Card 1/2

L 13829-66

ACC NR: AP6001244

$\sigma_0 = 2\sqrt{3}k_p - (\sigma_0/\tau_0) \left[\nu_x \nu_y \right]$ and ν_x, ν_y are values proportional to the curvatures and twist relative to axes x and y ; w is a function satisfying problem boundary conditions and approximating the deflection function $w = A_n$ of the plate in the elasto-plastic state; q_0 is the characteristic value of the loading $q = q_0 q$; t is the approximation number. This equation leads to a solution of the relationship of the elasto-plastic deflection w (in the t^{th} approximation) to the elastic deflection w_{elas} under the same loading.

The author develops an equation for the limit of the ratio of $\left(\frac{w}{w_{\text{elas}}}\right)$ and presents a graphical interpretation of the successive approximation process. The results of the analyses indicate that: 1) the transition of stiff plates in the limiting condition under uniform loading is accompanied by distribution of plasticity through a large part of the plate; 2) the value of the limiting load is independent of Poisson's coefficient in the elastic state, and, for the limiting condition, Poisson's ratio may be taken to be μ ; 3) the limiting uniform load may be found from the condition of its proportionality to the load at the initiation of plastic flow; 4) the intensity of the limiting load is dependent upon the ratio of the lengths of the plate's sides; 5) the results found agree with previously published findings, and the equations developed may be used to find the upper limit of plate bearing capacity. Orig. art. has: 21 equations and 3 figures.

REF CITE: 20/

SUMM REFS: 24/ ORIG REF: 005/ CITE REF: 002

PC
2/7

MATOSIC, M.; ALLEGRETTI, N.

Effect of the X-ray irradiation on the Langerhans cells
of the guinea pigs with atrophied exocrine pancreas.
Bul sc Yéag 7 no.1/2:12 F-Ap '62.

1. Institut "R. Boskovic," Zagreb.

*

MATOSIC, S.

MATISOC, S. Railroad experts as court experts. p. 24

Vol. 12, no. 12, Dec. 1956

ZELEZNICE

TECHNOLOGY

Beograd

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

HALUZICKY, M.; GMELIK, M.; KOVAR, Z.; ~~MATCSKA, J.~~

Effect of hydrocortisone on experimental fracture healing in mice.
Acta chir. orthop. trauma. Cech. 28 no.6:499-503 D '61.

1. Ortopedicka klinika UPJS Kosice, prednosta doc. dr. M. Haluzicky,
Ustav patologickej anatomie UPJS Kosice, prednosta doc. dr. I. Kutlik.
(FRACTURES exper) (HYDROCORTISONE pharmacol)

MATOSKOVA, A.

CATEGORY : Chemical Technology, Chemical Products and Their Applications, Pharmaceuticals, Vitamins, Antibioloics

ABS. JOUR. : RZhKhim., No 19, 1959, No. 68766

AUTHOR : Barcar, M.; Husik, A.; Starkova, Z.; Matoskova, A.

INSTITUTE : -

TITLE : Application Possibilities of Mucin Derived from Flax-Seed in Certified Medicines.

ORIG. PUB. : Farmacia (CSR), 1958, 27, No 12, 361-368

ABSTRACT : As a result of experiments performed on animals it is demonstrated that hydrocol of mucin, derived from flax-seed, lengthens considerably the effect of insulin. Employment of the pentamethonium in suspensions with hydrocols of mucin prolongs its action as well. The action of mucin on blood pressure and on the digestive organs and also toxicity of the pentamethonium in this remains unchanged. The bibliography covers 11 titles.

--D. Takesh

Card: 1/1

ACC NR: AT6022354

SOURCE CODE: UR/0000/66/000/000/0014/0017

AUTHOR: Matosov, M. V.

ORG: none

TITLE: A procedure for determining the base resistance of drift transistors

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966.
Sektsiya poluprovodnikovyykh priborov. Doklady. Moscow, 1966, 14-17

TOPIC TAGS: volt ampere characteristic, transistor, drift transistor

ABSTRACT: A method for determining the base resistance of drift transistors is presented. The method consists of the following: the transistor is connected in a common emitter configuration and the input volt-ampere characteristics (base current vs input pulse amplitude) are found in the reverse conduction region of the emitter junction. The base resistance is determined from the slope of the volt-ampere characteristics. Positive pulses were applied to a P-402 (p-n-p) transistor. When a reverse voltage applied across the emitter junction exceeded a given level (several volts) the junction began to conduct, its resistance decreased, and all voltage was applied across the base resistance; the volt-ampere characteristics, therefore, became linear once this condition was reached. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 05Apr66/ ORIG REF: 002

Card 1/1

LISIN, D.M.; MATOSOVA, K.A.

Macrokinetics of the pyrolysis of thermally treated coals;
"thermal coal." Trudy Khim.-met.inst.Sib.otd. AN SSSR no.18:
65-86 '63. (MIRA 17:4)

MATOSYANTS, A. I.

"Transfusing a Fractional Dose of Blood and Its Effect on the Blood System and the Functional Condition of the Reticuloendothelial System." Dr Med Sci, Azerbaydzhan State Inst for the Advanced Training of Physicians, Yerevan 1954. (RZhdiol, No 3, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions.
(14)

MAKOSYANTS, A.I. dotsent

Some peculiarities in the clinical aspects of leukoses. Med.
shur.Usb. no.11:28-31 N '58. (MIRA 13:6)

1. Iz kafedry terapii (i.o. sav. - prof. S.M. Gasman) Azerbay-
dzhanskogo gosudarstvennogo instituta usovershenstvovaniya
vrachey.

(LEUKEMIA)

GADZHIYEV, A.A., dotsent; MATOSYANTS, A.I., dotsent

Acute hepatic insufficiency following surgery for postmalarial
splenomegaly. Azerb.med.shur. no.12:66-69 D '59. (MIRA 13:4)

1. Iz kafedry khirurgii (zaveduyushchiy - zasluzhennyy deyatel'
nauki, prof. G.K. Aliyev) i terapii (ispolnyayushchiy obyazannosti
zaveduyushchego - prof. S.M. Gusan) Azerbaydzhanskogo gosudarst-
vennogo instituta usovershenstvovaniya vrachey.

(LIVER--DISEASES)

(SPLEEN--DISEASES)

MATOSYANTS, A.L.; SUSLIKOVA, A.K.; SKRIPNIK, L.S.

Case of periarteritis nodosa with primary pulmonary localization
of the process. Vrach. delo no.5:140-141 My '62. (MIRA 15:6)

1. Kafedra gospiatal'noy terapii (zav. - doktor med. nauk A.I.
Matosyants) Kurskogo meditsinskogo instituta i patologoanato-
micheskoye otdeleniye (nauchnyy rukovoditel' - prof. A.S.
Blumberg) Kurskoy oblastnoy klinicheskoy bol'nitsy.
(ARTERIES—DISEASES) (LUNGS—DISEASES)

MATOSYANTS, A.I., doktor med.nauk; MINSKAYA, Yu.I., kand.med.nauk;
LANDA, E.Ya. (Kursk)

Case of mesothelioma of the pericardium. Klin.med. 40 no.6:
126-129 Je '62. (MIRA 15:9)

1. Iz gospiatal'noy terapevticheskoy kliniki (zav. - doktor med.
nauk A.I. Matosyants) i kafedry patologicheskoy anatomii (zav. -
prof. A.S. Brumberg) Kurskogo meditsinskogo instituta (dir. -
prof. A.V. Savel'yev).
(PERICARDIUM—TUMORS)

MATOSYANTS, A.I.; ZOLOTARSKIY, A.Z.

Case of Takayasu's syndrome. Sbor. trud. Kursk. gos. med. inst.
no.16:368-370 62. (MIRA 17:9)

1. Iz gospital'noy terapevticheskoy kliniki (zav. -- prof. A.I.
Matosyants) Kurskogo meditsinskogo instituta.

MATOSYANTS, A.I., prof.

Clinical aspects and therapy of Addison's disease. *Vopr. med. 18*
no.3:119-123. M. 1965. (MIRA 18:10)

1. Klinika gospiyal'nyy terapii (nav. - prof. A.I.Matosyants)
Kurskogo meditsinskogo instituta.

SAMEDOV, I.G., dotsent; MATOSYANTS, A.I., prof.

Training of scientific personnel. Azerb. med. zhur. 41 no.11:
90 N '64. (MIRA 18:12)

1. Direktor nauchno-issledovatel'skogo instituta gigiyeny truda i professional'nykh zabolevaniy imeni prof. M.M. Efendizade (for Sanedov). 2. Zamestitel' direktora po nauchnoy chasti Nauchno-issledovatel'skogo instituta gigiyeny truda i professional'nykh zabolevaniy imeni prof. M.M. Efendizade (for Matosyants).

MATOUCH, M.; SFRIVAN, V.

"Liquid resins for insulating cable joints and terminals."

ELEKTROTECHNIK, Praha, Czechoslovakia. Vol. 14, no. 5, May 1959

Monthly list of East European Accessions Index (MEAI), Library of Congress,
Vol. 8, No. 8, August 1959

Unclassified

MATOUCH, M.

Impregnating and sealing epoxy resins. p. 514.

SLABOPROUDY OBZOR. (Ministerstvo vesobecnihho strojirenstvi, Ministerstvo, spoju
a Ceskislovenska vedecko-technicka spolecnost, sekce elektrotechnika) Praha,
Czechoslovakia, Vol. 20, No. 7, July 1959.

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

Uncl.

S/081/62/000/023/05/120
B101/B186

AUTHORS: Matouch, Miloslav, Skřivan, Vladislav

TITLE: Method of curing epoxy resin castings

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 721, abstract
23P366 (CzSSR 98362, January 15, 1961)

TEXT: Epoxy resins are cured with a mixture of aliphatic and aromatic amines, added at 15 - 40°C. Curing occurs through increase in temperature to 60 - 75°C caused by the exothermic reaction. 100 parts of resin are treated with 6 - 15 parts of a mixture of diethylene triamine or of another aliphatic amine with m-phenylene diamine or with another aromatic monocarboxylic polyamine. As the suggested method utilizes the heat effect it permits the casting of products much heavier than can be cast by the known low-temperature procedures. Example: A mixture of 250 g diethylene triamine and 195 g m-phenylene diamine is added to 3.6 kg epoxy resin (0.003 mole epoxy groups per gram) containing 0.9 kg styrene or methyl methacrylate. The composition is carefully stirred and cast. Curing occurs after 24 hrs. After 7 days the products attain their final
Card 1/2

Method of curing...

S/081/62/000/023/105/120
B101/B186

properties. [Abstracter's note: Complete translation.]

Card 2/2

MATOUCH, Miloslav, inz.

Some problems of filling with epoxide resins. El tech obzor 52 no.9:
507-511 S '63.

1. Statni vyzkumny ustav silnoproute elektrotechniky.

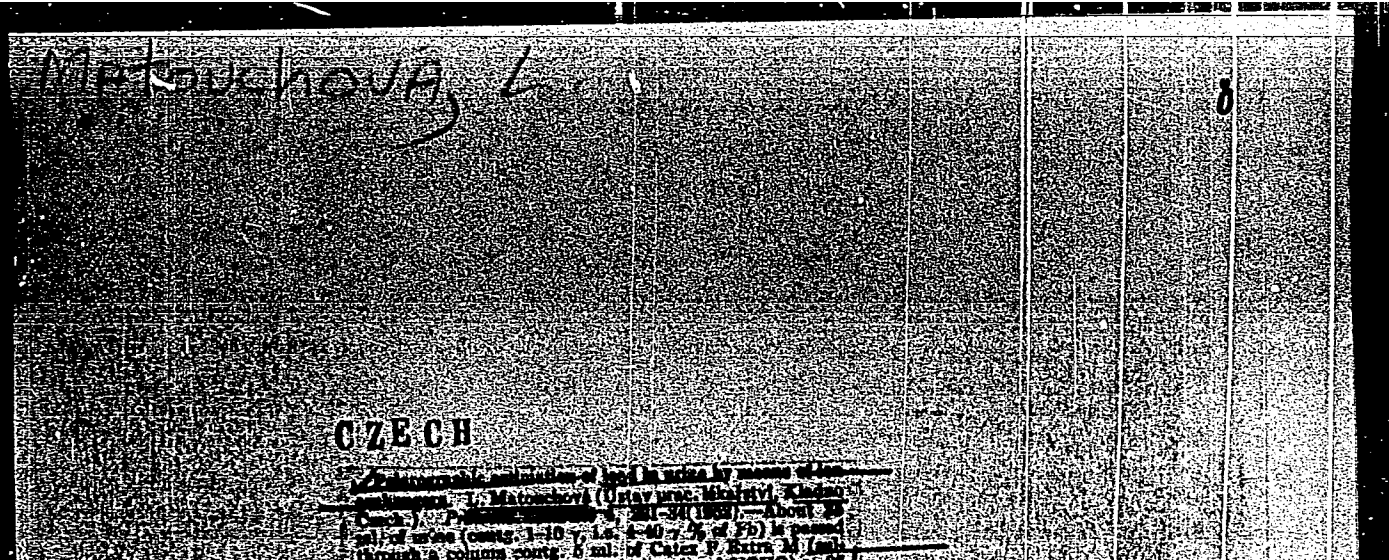
CZECHOSLOVAKIA

VEZNIK, Z.: MATOUCH, O.: Research Institute of Veterinary Medicine, Department of Biology of Reproduction of Domestic Animals (Vyzkumny Ustav Veterinarniho Lekarstvi, Oddel, Biologie Reprodukce Hospodarskych Zvirat), Brno - Medlanky.

"The Problems of the Vaginal Cytogram of the Hormonal Crisis in Newborn Piglets."

Prague, Veterinarni Medicina, Vol 11, No 7, Jul 66, pp 473 - 478

Abstract [Authors' English summary modified]: The period of hormonal crisis in newborn piglets was investigated on the basis of vaginal-cytological analysis. The estrogenic effect of the vaginal mucous membrane was confirmed; it reaches a maximum on the 7th day. The intensity of the effect disappears on the 10th day. It seems that gonadal hormones of the piglet are stimulated by the maternal hormones. 4 Figures, 13 Western, 1 Czech, 1 East German reference. (Manuscript received 11 Feb 1966).



prepared with 8 ml. of 7N HCl at 9 ml./10 min. After ex-
posure O by N. Ph is detd. polarographically. L. J. U.

[Handwritten signature]

2

GERVENKA, O.; FARRIOVA, A.; MATOUCHOVA, L.

CSSR

Institute for Organic Chemistry, Technical University for Chemistry,
Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, 1963,
pp 535-538

"Reactions of Enamines VIII.

Reactions of Grignardreagents with Quaternary Chinoline-N-Oxide- and
Lepidin-N-Oxide Salts"

(2)

MATOUKOVÁ, V.

MATOUKOVÁ, V. ; SLAVIK, K.

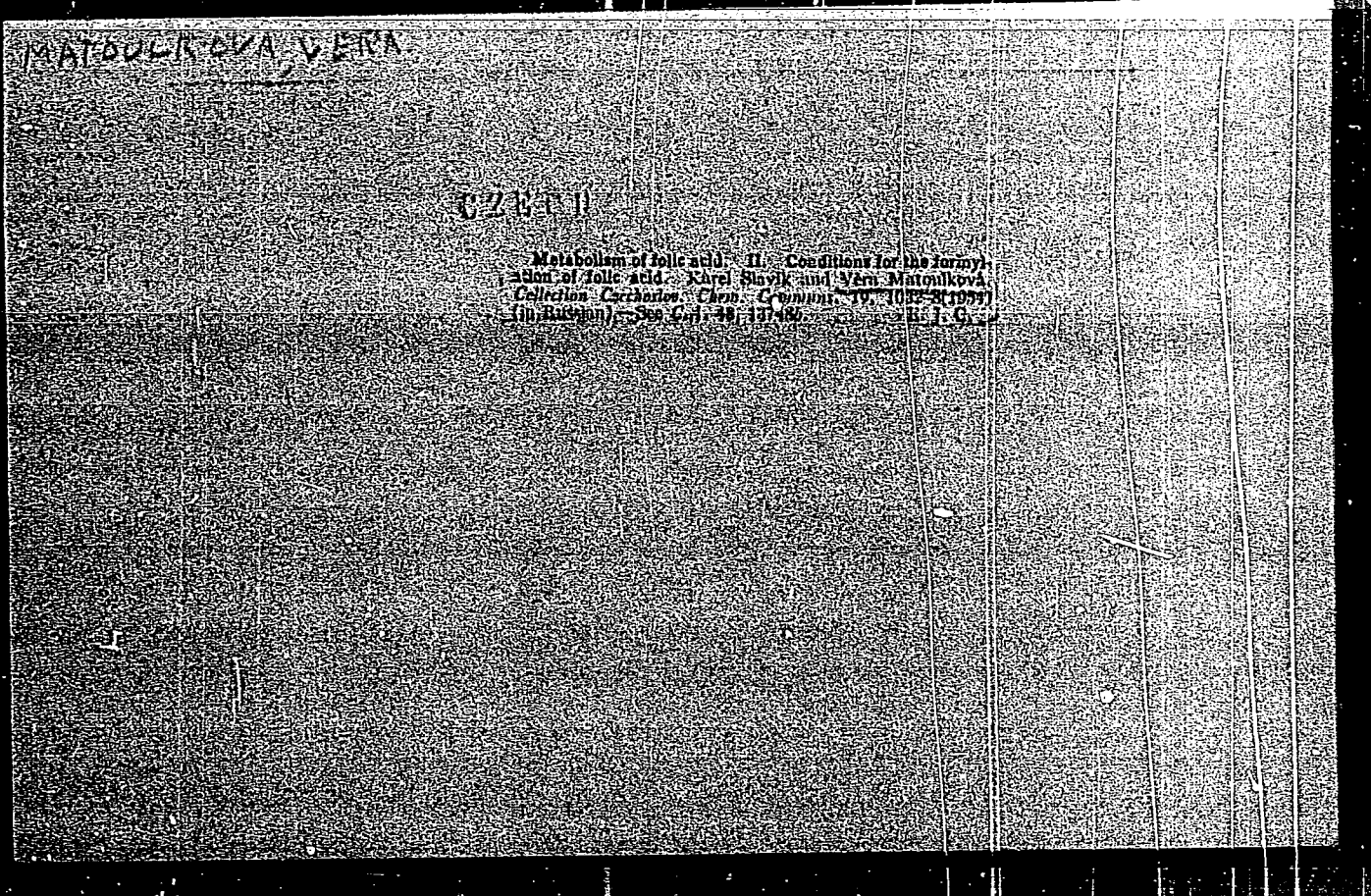
Folic acid metabolism. II. Conditions for the Formulation of Folic acid.
p. 1032 (Collection of Czechoslovak Chemical Communication. Praha. Vol. 19, no. 5,
Oct. 1954)

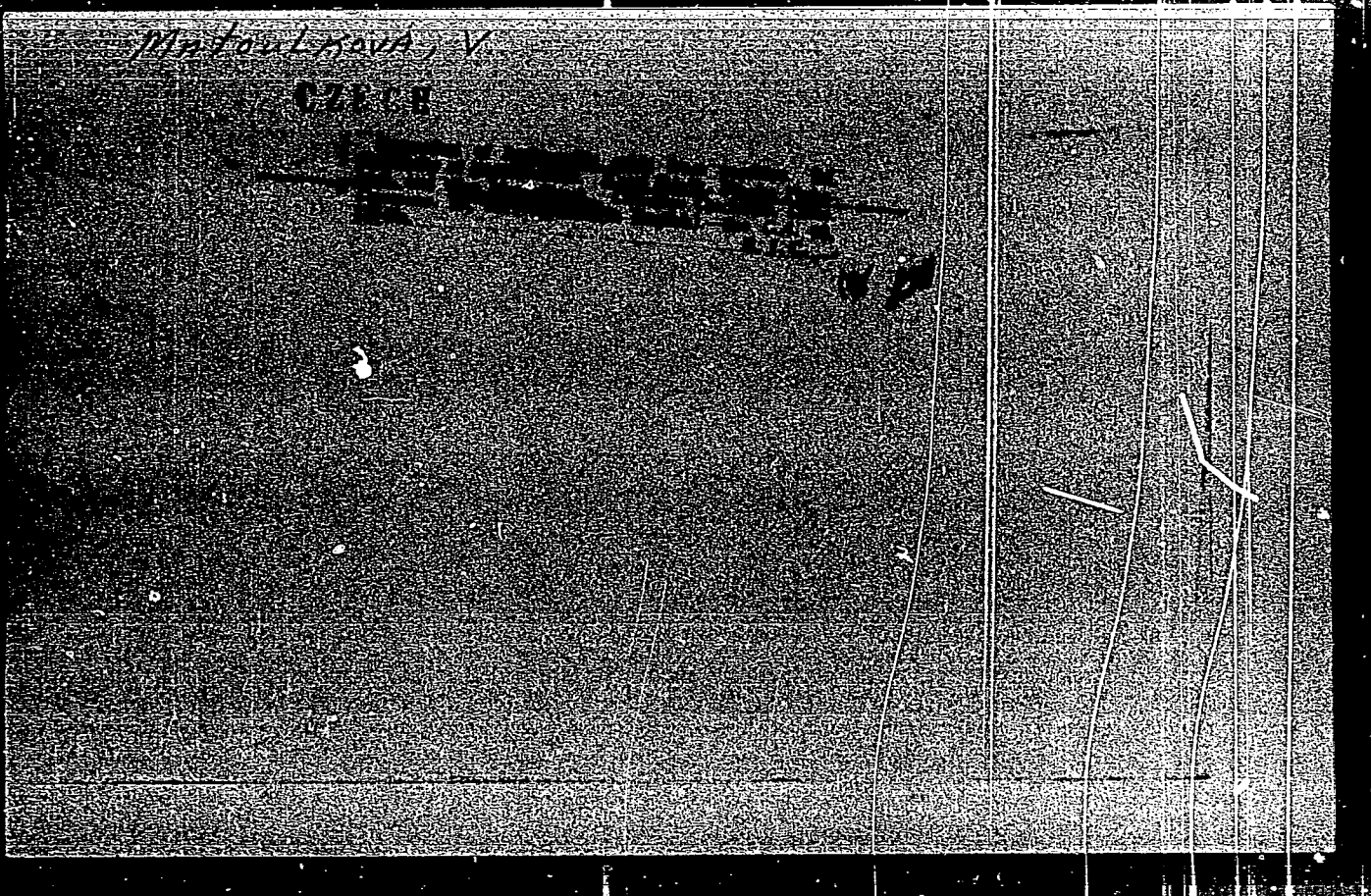
SC: Monthly List of ^{East} European Abstracts (MLA), 19, Vol. 4, 16. 6,
June 1955, Urad.

SLAVIK, K.; MATOUKOVÁ, V.

Folic acid metabolism. Part 1. Formation of the formyl derivative in liver homogenates [with summary in English]. Sbor.Cech.khin.rab. 19 no.2:393-400 Ap '54. (MLRA 7:6)

1. Central Laboratory, First State University Hospital, and Laboratory of the Third Clinic of Internal Medicine, Second State University Hospital, Prague. (Folic acid)



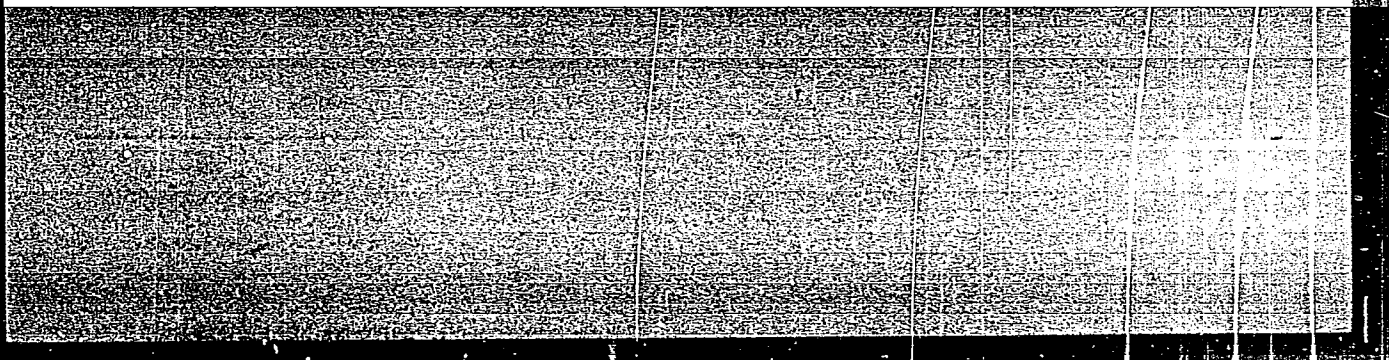


MATJOUKOVA, VERA

Metabolism of folic acid. II. Conditions for the formation of folic acid. Karel Slávik and Vera Matjoukova (Stavil, 1965, 48, 481-4). Paper chromatography of pterins in aq. solns. was investigated and quantitative values of folic acid (I) has been carried out. R_f -values in 0.1N HCl, 0.1N NaOH, in acetate at pH 5, in phosphate at pH 8.6 and 7.7, and in 0.5% Na₂CO₃ are for: *pteridine*, 0.42; *formylpteridine*, 0.48; *methylosteridine*, 0.52; *leuko- β -carboxylic acid*, 0.59; *formylfolic acid*, 0.63; *methylosteridine*, 0.76; *formylfolic acid*, 0.81; *pterin*, 0.89; *formylfolic acid*, 0.91; *methylosteridine*, 0.94; *formylfolic acid*, 0.97; *pterin*, 0.99; *formylfolic acid*, 0.99. Histidine, nicotinic acid, and formation of I from folic acid in liver homogenates. Formyl-glutaminolactic acid increase several times. Formyl-glutaminolactic acid in liver homogenates, m-128², were prepd. from the corresponding compounds by treatment with 50% HCOH and A₂O. M. Hudlicky.

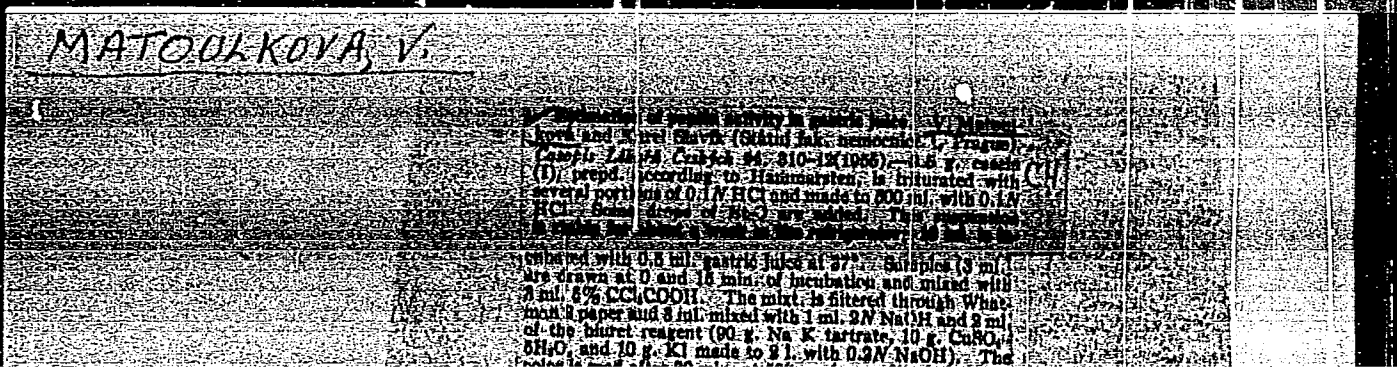
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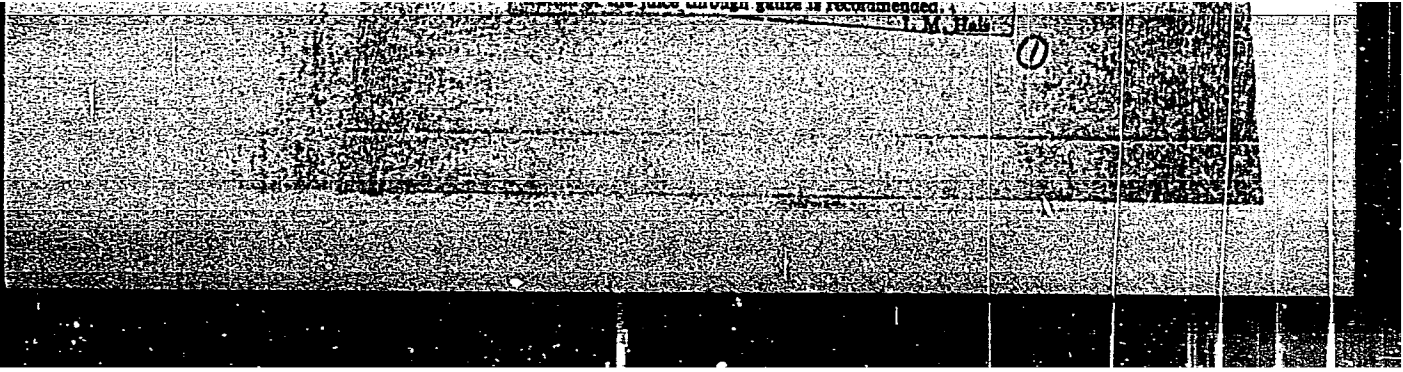
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APPROVED FOR RELEASE: 06/14/2000

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DIENSTBIER, E.; BALIK, J.; DUCHON, J.; Technicka spoluprace: DUDOVA, Z.;
MATOUS, B.

Catecholamine derivatives in the urine of patients with
glaucoma. Cesk. oftal. 20 no. 6: 460-465 N '64.

I. Oční klinika (prednosta prof. dr. Dienstbier, DrSc.),
II. Chemický ústav (prednosta prof. dr. MUDr. J. Sula)
Faculty of Medicine, Karlov University in Prague.

MATOUS, F.

MATOUS, F. Nesting and ecology of the rarer birds. p. 76.

Vol. 11, no. 2, 1956, BIOLOGIA, BRATISLAVA, CZECHOSLOVAKIA.

SO: Monthly List of East European Accessions, (KEAL), LC, Vol. 5, No. 10,
Oct. 1956.

MATOUS, J.

"Prospective tasks in standardization and designing."

POZEMNI STAVBY, Praha, Czechoslovakia, Vol. 3, No. 10, October 1959.

Monthly List of East European Accessions (MEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

MATOUS, J.

Using the modified Fox method for connection and direction surveying p. 88

RUDY. Praha, Czechoslovakia, Vol. 7, no. 3, March 1959.

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

MATOUS, J.

Distr: 4E3d/4E2c(j)

The vapor pressure of cyclohexanone and of cyclohexylamine. J. NOVAK, J. MATOUS, and J. PÍK (Vysoká škola chemicko-technologická, Praha). Collection Czechoslov. Chem. Commun. 25, 590-5(1960). The relations of the vapor pressures of cyclohexanone (I) and of the cyclohexylamine (II)

were detd. ebullioscopically in the range from 80 up to 780 mm. Hg. The results were expressed by the equations: for I: $\log P = 6.8863 - 1087.9/(t + 130.3)$ and for II: $\log P = 6.9272 - 1209.3/(t + 108.7)$. E. Erdős

dat
//
000

7
1-10 (12)
1-10 (20)
2

NOVAK, J.; MATOUS, J.; PICK, J.

Balance: liquidity-steam. XXIV. Balance: liquidity-steam in cyclo-
hexylamine-cyclohexanol system. Coll Cs Chem 25 no.9:2405-2413
S '60. (KAI 10:9)

1. Institut für physikalische Chemie, Technische Hochschule für Chemie,
Prag.

(Phase rule and equilibrium) (Cyclohexamine)
(Cyclohexanol) (Systems(Chemistry))

SOUKUP, Jiri, inz.; MATOUS, Jan, inz.; SYKORA, Vaclav, doc., dr.; DUBSKY
Ferdinand, inz.

Use of synthetic ion-exchange materials as sorbents of vegetable
nutrients. Rost vyroba 8 no.11/12:1477-1486 D '62.

1. Vyskumny ustav okrasneho zahradnictvi, Pruhonic (for Soukup
and Matous). 2. Katedra analytické chemie, Vysoka skola chemicko-
technologicka, Praha (for Sykora and Dubsky).

SYKORA, Vaclav, doc., inz.dr.; MATOUS, Jan, inz.; DURSKEY, F. J. 1963.
SOUKUP, Jiri, inz., CSc.

Use of synthetic ion exchangers as plant nutrient sorbents. Part 2.
Rost vyroba 9 no.11:1235-1246 N '63.

1. Vysoka skola chemicko-technologicka, katedra analyticke
chemie, Praha; Vyzkumny ustav okrasneho zahradnictvi,
Pruhonice.

MATOUS, Jan, ins.; SOUKUP, Jiri, ins.; SYKORA, Vaclav, doc. dr.;
DUBSKY, Ferdinand, ins.

Uptake of plant nutrients sorbed on ion exchangers under
the conditions of separated nutrition. Rost výroba 11
no.1:93-100 Ja '65.

1. Research Institute of Ornamental Gardening, Pruhonic
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1. Fyziologicky ustav fakulty vseobecneho lekarstvi University
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SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

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368L6

S/137/62/000/004/174/201
A154/A101

12000
AUTHOR: Matoushek, Antonin

TITLE: New spot welders in large-lot production

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 43, abstract 4E236
("Chekhosl. tyazhelaya prom-st", 1961, no. 10, 16 - 21)

TEXT: Spot welders are divided into two groups: welders for thick welds using a large electrode pressure, and welders for welding thin sheets at a fast rate. In the production of automobiles, motor-cycles and other mass-produced items where 0.7 - 1.2 mm steel is used a high production rate, e.g., 250 - 400 spots per min, is sometimes required. For serial and large-lot production of items from low-carbon steel with $\sigma_b = 30 \text{ kg/mm}^2$ the Resistance Welder Manufacturers Association (RWMA) has recommended welding regimes and evaluated weld qualities according to the 3 classes given in the table:

X

	Thickness, mm					
	0.5	1	1.5	2	2.5	3
Pressure, kg	120	240	360	480	600	720
Current, amp	7,000	9,000	11,000	13,000	15,000	17,000

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Class A/1	Welding time, sec	0.1	0.17	0.20	0.35	0.42	0.5
	Weld diameter, mm	4	5.5	7	8	9	10
	Strength, kg	200	550	1,100	1,500	2,000	3,000
Class B/2	Pressure, kg	80	160	240	320	400	480
	Current, amp	6,000	7,200	8,400	9,600	10,800	120,000
	Welding time, sec	0.17	0.35	0.48	0.6	0.73	1
	Weld diameter, mm	3.5	5	6.5	7.5	8.5	9.5
	Strength, kg	170	440	1,000	1,400	1,900	2,800
Class C/3	Pressure, kg	40	80	120	160	200	240
	Current, amp	5,000	6,000	7,000	8,000	9,000	10,000
	Welding time, sec	0.36	0.6	0.8	0.96	1.1	1.3
	Weld diameter, mm	3	4.5	6	7	8	9
	Strength, kg	140	410	880	1,250	1,700	2,000

These conditions are satisfied by the BK-80 (VK-80) high-speed welder working at the rates of 140, 280 and 420 spots per minute. It is designed for joining 1 + 1 sheets in 0.04 sec at a rate of 420 spots per minute. The complete welding cycle lasts 0.14 sec. If according to the quality evaluation table for welding 1 + 1

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sheets the current is 9,000 amp for a welding time of 0.16 sec, then this machine gives an effective welding current of 18,000 amp for 0.04 sec. The welder has an arm length of 1,000 - 1,200 mm, the effective lift of the top electrode is 10 mm, the auxiliary lift 100 mm. The electrode squeezing force is 160 - 300 kg. The welding current is adjusted over a wide range by a branch commutator and by electronic regulation. The welder has a modern electronic control system and a pneu-momechanical electrode actuator, which makes the welder independent of rectifiers. The welder is not very sensitive to fluctuations of air pressure in the network and has a low air consumption.

A. Pugin

[Abstracter's note: Complete translation]

Card 3/3

MATOUSEK, Antonin

Technological problems in resistance spot welding of steel structures. Zvaranie 10 no.12:368-372 D '61.

1. Vyzkumny ustav svarovacich stroju a technologie svarovani, Praha.

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Present state of the resistance spot welding research and its practical importance. Zvaranie 11 no.2:33-39 F '62.

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Present state of research in resistance spot welding and its importance for the practice. Zvaranie 11 no.3:77-78 Mr '62.

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KLABOCH, L., ins.; DUFEK, Jaroslav, ins.; HAJEK, E., doc., ins.; REZNICEK, I., ins.; ROD, F., ins.; BRDA, J., ins.; MATOUSEK, E., ins.; KOUSAL, P., ins.; MANDA, V.; CAIS, O., ins.; NOVAK, S.; URBAN, S.; HANKE, M., ins.; VOKURKA, V., ins.; FOGL, J., ins.; HROMIR, M., ins.; SOLIN, J., prof., ins.; SLEZAK, A., ins.; TITLBACH, Z., ins.; DREXLER, J., ins.; HORNA, O., ins.; KUPEC, J., ins.

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COUNTRY:	: Czechoslovakia	H-13
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 5 1960, No.	18806
AUTHOR	: Matoušek, J. and Temlik, O.	
DATE	: 1960	
TITLE	: The Automation of Cement Production	
ORIG. PUB.	: Stavivo, 37, No. 5, 188-189 (1960)	
ABSTRACT	: The author discusses the possibility and feasibility of the automation of individual production steps in cement plants. Experience at two plants in 1959-1960. From author's report.	
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Experiences with vibrative grinding in the cement factory in Hranice. p. 327

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(COLORIMETRY) (SALICYLIC ACID)
(SULFHYDRYL COMPOUNDS) (FLUOROACETATE)
(CHEMISTRY, ANALYTICAL)

MATOUSEK, J.

Country : Czechoslovakia
Category : Cosmochemistry. Geochemistry. Hydrochemistry. D
Abs. Jour : Referat Zhur--Khim, No 15, 1959, 45359
Author : Havlovic, V., Patocka, S., and Matousek, J.
Institut. : Not given
Title : Observations on the Natural and Artificial Radioactive Aerosols in the Atmosphere During the Second Half of 1957
Orig Pub. : Ceskoslov Hyg, 3, No 7, 391-401 (1958)
Abstract : The authors present data on the diurnal variation of the concentration of Rn. Tn, and of artificial radioactive aerosols in the atmosphere during the second half of 1957. The determinations were made by a filtration procedure which is described in the article. The authors point to the high probability of a correlation between the sharp increase in the short-time radioactivity in the air over Pilsen and the accident at the British atomic reactor plant.
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1. Institute of Medical Physics, Charles University in Plzen. Director: Dr. V. Havlovic Medical Clinic in Plzen. Director: Prof. K. Bobek.

(CEREBRAL HEMORRHAGE, physiol.
meteorol. factors)

(CLIMATE,
meteorol. factors in cerebral vasc. accid.)