

STRIZOVA, Sylvie

*FU* ✓ Speedy appraisal of ash composition from solid fuels. Karel Bartoň, Milan Dočkal, and Sylvie Štířlová. *Paliva* 32, 60-4(1952).—The detn. of various components in solid fuels is a time-consuming operation. A new method was suggested which shortens the time to 8-10 hrs. It was achieved by a new procedure for SiO<sub>2</sub> in which it is pptd. along with the hydroxides of Al and Fe by NH<sub>4</sub>OH. The remaining elements were detd. by titrimetric methods. 11 references. Jos. Lederer

STRIZOVA, V.; VYSOKA-BURIANOVA, B.; STAREK, M.; DRABOVA, M.; technicka  
spoluprace CHODEROVA, M.

Studies on immunogenic properties of anti-whooping cough vaccines.  
Cesk.epidem.mikrob.imun.9 no.8:517-522 N'60.

1. Ustav epidemiologie a mikrobiologie v Praze -- Katedra epidemio-  
logie LFH KU v Praze -- Statni ustav pro kontrolu leciv v Praze.  
(WHOOPING COUGH immunol)  
(VACCINES)

STRIZOVA, V.; RASKOVA, H.; VANECK, J.; technicka spoluprace: DRABOVA, M.;  
RYBOVA, B.; FIALOVA, O.

On the pharmacology of pertussis toxin. 1. Cesk. epidem. mikrob.  
imun. 10 no.3:192-196 '61.

1. Ustav epidemiologie a mikrobiologie v Praze a Farmakologicky  
ustav fakulty detskeho lekarstvi KU v Praze.  
(WHOOPING COUGH immunol.) (TOXINS AND ANTITOXINS pharmacol.)

1. [Illegible]

2. [Illegible]

3. [Illegible]

4. [Illegible]

STRKA, JIRI

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and  
Their Application, Part 3. - Fermentation  
Industry.

H-27

Abs Jour: Referat. Zhurnal Kaimiya, No 10, 1958, 34130.

Author : Jiri Strka.

Inst : ~~Not given.~~

Title : Mold Fungi in Modern Fermentation Industry.

Orig Pub: Vesmir, 1955, 34, No 5, 154-155.

Abstract: No abstract.

Card : 1/1

STRMAC, M.

Some properties of aqueous suspensions of bentonite, cement, and clay. V. Stubican and A. Strmac (*Nafta, Zagreb*, 1953, 4, 39-43).—Data are presented showing sedimentation volumes of cement-bentonite and cement-bentonite-clay suspensions in water, and changes in consistency of such suspension by dilution, by the hardness of water, and by mixing cement : bentonite ratio. Up to 40% bentonite content, the graphs of equal consistency are straight lines, and they may be used for a controlled variation of individual components of the mixture. By comparing the data obtained with the general behaviour of colloidal systems, it has been concluded that the action of cement particles on bentonite sols is equal to that of a colloid of opposite charge. This may explain why the colloidal properties of such systems depend upon the order in which individual components are added to the mixture. O. POTTER.

STRMECKI, E.L.

*med* Factors contributing to the growth-promoting properties of Velenje lignite. E. L. Strmecki and P. C. De Kock (Univ. Ljubljana). ~~Zemljica - Brijuni 3, 1-20 (1954) (English summary)~~.—Expts. were performed with mustard (*Sinapis alba*) as test plant. The inorg. constituents of lignite could not be considered responsible for increase of growth of test plants. It appears that humic acid is the responsible factor; the action of humic acid is improved by addn. of Fe. Humic acid extd. at lower pH was more growth-stimulating than the humic acid extd. at a higher pH. V. Mihajlov *2*

AIERAJ, Dora, dr.; UHLIK, Branko, dr.; STRMECKI, Marija

Immunofluorescent diagnosis of enteropathogenic coli bacteria.  
Liječn. vjesn. 87 no.8:841-846 Ag '65.

1. Iz Republickog zavoda za zaštitu zdravlja i Veterinarskog  
instituta u Zagrebu.



XXXXXX, W.

Rudolf Dilong's Na vrchu nadeje (On the Peak of Hope); a book review. p. 132.

1951. / Spolek slovenskych spisovatelov a umelcov) Cleveland, Czechlovakia.  
Vol. 7, no. 3, 1955.

Monthly List of East European Accessions (SEAJ), 16, Vol. 9, No. 2, Feb. 1960.  
Encl.

BETINA, V.; NEMEC, P.; STRMENOVA, Helena

Investigation of submerged production of the antibiotic cyanin.  
Folia microbiol. 8 no.2:125-127 '63.

1. Department of Technical Microbiology and Biochemistry, Faculty of  
Chemistry, Slovak College of Technology, Bratislava.  
(ANTIBIOTICS) (PENICILLIUM) (FERMENTATION)  
(GLUCOSE) (FRUCTOSE) (SUCROSE) (STARCH)  
(CULTURE MEDIA)

STUMISKA, Cestmir, inz.; VIEKIS, Miroslav

The BA 21 automatic packaging machine. From potravín 15  
no. 2:342-346 J1 '64.

1. Závody Vítězného února National Enterprise, Branch  
Enterprise 04, Pardubice.

STRMISKA, F  
 12A

Processes and Properties Index

Contribution to the assimilation of green leaves during the day. Frantisk Strmiska, *Chem. Zvesti* 2, 270 (1948). In June the carbohydrates have been detid during the whole day (24 hrs.) in the leaves of *Kobus pseudo* in year and the variation is shown in the graphs. J. M.

11d

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND LETTERS

3RD AND 4TH LETTERS

5TH AND 6TH LETTERS

7TH AND 8TH LETTERS

9TH AND 10TH LETTERS

11TH AND 12TH LETTERS

13TH AND 14TH LETTERS

15TH AND 16TH LETTERS

17TH AND 18TH LETTERS

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89TH AND 90TH LETTERS

91ST AND 92ND LETTERS

93RD AND 94TH LETTERS

95TH AND 96TH LETTERS

97TH AND 98TH LETTERS

99TH AND 100TH LETTERS

STEMISKA, FRANTISEK

Czechoslovakia

CA:47:11124

"The properties of pectin and the effect of digestive juices."

Chem. Zvesti 6, 45-55 (1952)

STRMISKA, F.

Contribution to the method of electronarcosis. Cesk. fysiол. 12 no.1:  
61-64 '63.

1. Vyzkumny ustav traumatologicky, Brno.  
(ELECTRONARCOSIS)

KAROVIC, Vincent, inz.; STRMISKA, Frantisek, dr., Sc.

Technical development in securing sufficient food supply for society. Tech praca 15 no.7:489-492 JI '63.

1. MHEŠ, Bratislava (for Karovic). 2. Slovenska vysoka skola technicka, chemicka fakulta, Bratislava (for Strmiska).

STRMISKA, Jaroslav, MUDr.; KUSAK, Ivan, MUDr.

Problem of first aid and prevention of injuries in agricultural workers. Cesk. zdravot. 4 no.8:473-476 Aug 56.

1. Vyzkumny ustav traumatologicky v Brne.

(ACCIDS,

farm accid., first aid & prev. (Cz))

(AGRICULTURE,

farm accid., first aid & prev. (Cz))

(FIRST AID, in various diseases,

farm accid. (Cz))



EXCERPTA MEDICA Sec,9 Vol.11/9 Surgery Sept 1957

4412. (328) STRMISKA J., HONSA K. and SOLAŘ J. Výzkumný Úst. Traumatol., Brno. \*Místní aplikace hydrocortisonu u některých poúrazových stavů. Local application of hydrocortisone in some post-traumatic states ACTA CHIR. ORTHOP. TRAUM. ČECH. 1956, 23/5 (266-269) Tables 1

A preliminary report of the results of local application of hydrocortisone acetate in 26 patients with various post-traumatic conditions such as limitation of function after tendon sutures, recurrent post-traumatic effusions of the knee-joint or limitation of movement due to post-traumatic oedema. One to three injections of hydrocortisone were given at 14 days' intervals. As the injection is painful, preceding local anaesthesia is necessary. The results were excellent in 16 and good in 9 cases. One case was unchanged and one was lost to control. Niederle - Prague

STRMISKA, Jaroslav, MUDr.

Considerations on the problem of agricultural accidents; statistical evaluation. Pracovni lek. 9 no.3:214-217 June 57.

1. Vyzkumny ustav traumatologicky v Brne Reditel prof. MUDr  
Vladimir Novak.

(ACCIDENTS, INDUSTRIAL, statistics,  
farm accid. (Cz))

STERMISEA, Jaroslav, MUDr.

Problem of anesthesia in traumatology. Rozhl. chir. 76 no.2:89-93  
Feb 57.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr Vladimir  
Tavak.

(WOUNDS AND INJURIES, surg.  
anesth. technics (Cz))

(ANESTHESIA,  
technics in traumatol. (Cz))

STRMISKA, Jaroslav

Primary skin transplants in traumatic defects of the hand. Rozhl. chir.  
36 no.8:513-520 Aug 57.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr Vladimir  
Novak.

(HAND, wds. & inj.

surg., skin transpl. (Cz))

(SKIN TRANSPLANTATION, in various dis.

inj. of hand (Cz))

STRMISKA, Jaroslav

Hidden mesenteric injury. Rozhl. chir. 36 no.8:533-539 Aug 57.

1. Vyzkumni ustav traumatologicky v Brne reditel prof. Vladimir Novak.

(MESENTERIES, wds. & inj.  
occult, ther. (Cz))

STRMISKA, Jaroslav (Brno 16, Elišova 20.)

Intramedullary fixation of the bones of the hand. Acta chir. orthop.  
traum. cech. 25 no.6:451-458 Nov 58.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. Dr. Vladimir  
Novak.

(HAND, fract.  
intramedullary fixation, technic & indic. (Cz))

STRMISKA, Jaroslav (Brno, Eliasova 21.)

General effects of ethylcoman; especially on the central nervous system. Rozhl. chir. 37 no.1:10-14 Jan 58.

1. Vyzkumny ustav traumatologicky v Brno, redital prof. MUDr Vladimir Novak.

(ISOTONIC SOLUTIONS, eff.

ethanol in isotonic saline solution on CNS (Cz))

(ALCOHOL, ETHYL, eff.

same)

(CENTRAL NERVOUS SYSTEM, eff. of drugs on

ethanol in isotonic saline solution (Cz))

STRMISKA, Jaroslav; HONSA, Harel

Anesthesia & the post-traumatic reaction. Rozhl. chir. 37 no.1:40-43  
Jan 58.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vladimir  
Noavk. J. S. Brno, Eliasova 21.

(SHOCK, physiol.

beneficial eff. of anesth. for surg. during post-traum.  
shock (Cz))

(ANESTHESIA, eff.  
same)

(WOUNDS AND INJURIES, compl.

post-traum. shock, beneficial eff. of anesth. during  
surg. (Cz))



EXCERPTA MEDICA Sec 9 Vol 13/11 Surgery Nov 59

6264. (1317) EXPERIENCE WITH LOCAL APPLICATION OF HYDROCORTISONE  
IN SURGERY - Zkušenosť s místní léčbou hydrokortisonem v chirurgii -  
Strmiska J. and Honsa K. Výzkumny Úst. Traumatol., Brno - ROZHL.  
CHIR. 1958, 37/11 (734-740) Tables 3

Hydrocortisone proved suitable in combating stiffness of joints after injuries, oedema, damage due to adhesions after injury of tendons and effusion after relapsing synovitis of the knee joint after injury. The results in epicondylitis were also very favourable. In hygromas of the bursae and in peritendinitis crepitans, on the other hand, the application of hydrocortisone does not shorten treatment or prevent relapses. Among a total number of 107 patients treated, excellent results were recorded in 72, improvement in 22 and failures or relapses in 11 patients. Two patients were not followed up.

OSTROIL, Frantisek; STRMISKA, Jaroslav

Effect of hydrocortisone on the stiffness of joints after injury. Acta  
chir. orthop. traum. cech. 26 no.2:119-122 Mar 59.

1. Vyskumny ustav traumatologicky V Brne, reditel prof. MUDr. Vladimir  
Novak, F. O. Brno, Ponavka 6..

(JOINTS, wds. & inj.

hydrocortisone for control of post-traum. stiffness (Cz))

(HYDROCORTISONE, ther. use

post-traum. stiffness in jointing (Cz))

STRMISKA, Jaroslav; KUSAK, Ivan

Effect of antibiotics on the coalescence of a skin graft. Rozhl.  
chir. 38 no.7:459-463 July 59

1. Vyzkumny ustav traumatologiccky v Brne, reditel prof. dr. Vladimir  
Novak.

(ANTIBIOTICS, pharmacol.)

(SKIN TRANSPIANTATION, exper.)

STRMSKA, Jaroslav

On the problem of allergic manifestations following hydrocortisone. Cas. lek. cesk. 98 no.32-33:1013-1015 14 Aug 59.

1. Vyzkumny ustav traumatologicky, reditel prof. Vladimir Novak.  
(HYDROCORTISONE, eff. inj.)  
(ALLERGY, etiol.)

STRMISKA, J.

Considerations on simultaneous intramedullary nailing and cerclage.  
Acta chir,orthop.traum.cech. 27 no.4:327-335 Ag'60.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof.dr.  
Vladimir Novak.  
(FEMUR fract & disloc)

STRMISKA, Jaroslav

Closed wounds of the thoracic aorta. Rozhl. chir. 39 no.3:192-196  
Mr '60

1. Vyzkumny ustav traumatologicky, Brno, reditel prof. MUDr. Vladimir  
Novak.

(AORTA, wds. & inj.)

STRMISKA, J.; KUSAK, I.; BECHINIE, E.

Effect of the transarticular intramedullary fixation on the extremity.  
Experimental study. Acta chir.orthop.traum.cech. 28 no.5:422-428  
0 '61.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vladimir  
Novak.

(JOINTS physiol) (FRACTURES surg)

STRMISKA, Jaroslav

Contribution to roentgraphy on the surgical table. Rozhl.chir.  
40 no.1:65-66 Ja '61.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr.  
Vladimir Novak.

(RADIOGRAPHY)



STRMISKA, Jaroslav

Electronarcosis in surgical experiments. Rozhl. chir. 40 no.4:258-261  
Ap '61.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vladimir  
Novak.

(ELECTRONARCOSIS exper)

STRMISKA, J.

Lipomas of the transverse colon. Rozhl. chir. 40 no.10:684-690 0 '61.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vladimir Novak, Dr.Sc.

(COLON neopl) (LIPOMA case reports)

KIRSCHNER, Richard; STRMISKA, Jaroslav

A pneumatic splint for the lower extremities. Rozhl. chir. 40  
no.12:830-835 '61.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof MUDr.  
Vladimir Novak.

(SPLINTS) (LEG wds & inj.)

STRMISKA, J.

Effect of antibiotics on the firmness of scars and the appearance of dehiscence. (Experimental studies). Rozhl. chir. 41 no.10:683-686  
0 '62.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. dr. Vl. Novak,  
DrSc.

(ANTIBIOTICS)

(WOUND HEALING)

STAMISKA, J.; DLUHOS, M.

Local effect of antibiotics on wound healing. (Histological studies).  
Rozhl. chir. 41 no.10:693-698 0 '62.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. dr. Vl.Novak,  
DrSc. II patologickananatomicky ustav lek. fak. University J.Ev.Purkyně  
v Brne, prednosta prof. dr. M. Dluhos.  
(WOUND HEALING) (ANTIBIOTICS)

STRMISKA, J.; TOBISKOVA, J.

Antibiotic sensitivity of the microbial flora from open wounds.  
Rozhl. chir. 41 no.10:699-706 0 '62.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. dr. Vl.Novak,  
DrSc. Mikrobiologicky ustav lekarske fakulty University J.Ev.Purkyne  
v Brne, prednosta prof. dr. V. Tomasek.  
(DRUG RESISTANCE MICROBIAL) (WOUND INFECTION)

1. [Illegible text]

2. [Illegible text]

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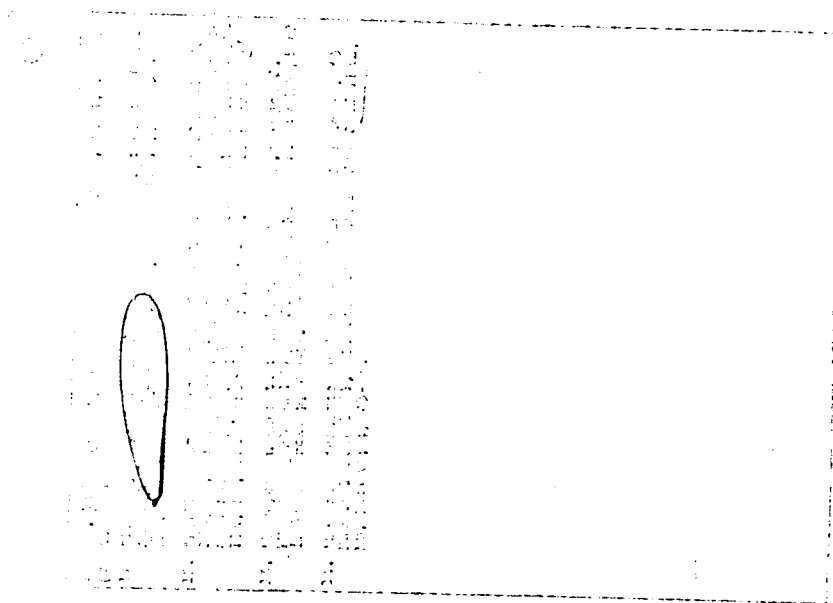
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STPMISKH, J.



STRMISKH, J.



CZECHOSLOVAKIA

J. STEJNISEL, Traumatology Research Institute (Vyzkumny ustav trauma-  
tologicky) Brno.

"Methodology of Electronarcosis."

Prague, Czechoslovenska Fysiologie, Vol 12, No 1, Jan 1963: pp 61-64.

Abstract: Electroanesthesia is doubtlessly different from electroshock, author claims. He describes apparatus (manufactured by the Czechoslovak Frama company) for right-angle direct current of 50 to 200 Hz, 1 to 4 millisecond impulses: tension for anesthesia is 20 to 30 volts while electroshock occurs above 50 to 60 volts. All experiments in rabbits. Description and illustration of device on rabbit's head. Schematic diagram, 2 photographs; 7 Czech (including author's 1961 Brno thesis on same subject), 2 Soviet, 2 German, 1 French and 1 British reference.

1/1

TRINIDAD

DLANOS, R., Prof., Dr, director of the Second Institute of Pathological Anatomy (II. patologickoanatomicky ustav), Faculty of Medicine (Lekarska fakulta), J.Ev. Purkyne University, Brno; and STRELSKA, J., Research Institute of Traumatology (Vyzkumny ustav traumatologicky), Prof. V. NOVAK, director.

"General Use of Antibiotics and Wound Healing (A Histological Investigation)"

Prague, Casopis Lekarů Ceskych, Vol CII, No 32/33, 16 August 1963, pp 304-307.

Abstract [Authors' English summary]: The effect of the general administration of antibiotics on the healing of skin wounds was investigated in 150 rats. It was found that the influence was quantitative. Also affected was the rate of healing. Thirteen references, including 7 Czech, 1 Polish, and 1 Russian.

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CZECHOSLOVAKIA

POREBI, J., Research Institute for Traumatology (Vyzkumny ustav traumatologicky), Brno, Prof. VL. ROVAK, MD, Dr of Sciences, director; and DEGHOS, M., Prof., MD, director of the Second Institute of Pathological Anatomy (II. patologickoanatomicky ustav), Faculty of Medicine (Lekarska fakulta), J. Ev. Purkyne University, Brno.

"Influence of Antibiotics on the Repair of Muscles."

Prague, Casopis Lekaru Ceskych, Vol CII, No 40, 4 October 63, pp 1094-1096.

Abstract [Authors' English summary, modified]: Experiments with 350 rats confirmed that the newly formed connective tissue played a decisive role in the repair of injured muscles. Muscle fibers also showed signs of regeneration, but degenerative processes took place at the same time. As a consequence, muscle elements played a less important role in the repair. Antibiotics applied locally (penicillin, streptomycin, chloramphenicol, oxytetracycline, bacitracin, and neomycin) or administered generally (penicillin, streptomycin, chloramphenicol, oxytetracycline) did not influence the muscle repair markedly. Least changes were caused by penicillin and streptomycin, followed by oxytetracycline and neomycin while after chloramphenicol and bacitracin the changes were relatively more significant. Sixteen references, including 6 Czech and 2 Russian.

1. H. J. ...

Effect of ...  
Data ...

1. Vyzkumy ...  
Borak, ...

210

... to the heart vessels in fatal trauma. Rozhl. chir.  
13 (1974), 5-11, 12.

4. Výzkumy o stavu traumatologicky v hrne (reditel prof. Dr. V.  
Novak, Brno.).

STRMISKA, J., OSTROCH, F.

Functional results after intra-articular fractures. Rozhl.  
chir. 43 no.11:771-776 N '64.

1. Vyzkumny ustav traumatologicky v Brne, (reditel prof. dr.V.  
Novak, DrSc.).

STERMIKA, J.

Case of osteosynthesis with wire loops. Czech. orth. 43  
no. 1950-1955 N 164.

1. Vyzkumny ustav traumatologicky v Brne. (reditel. prof. dr.  
V. Novak, Brno.).

STRMISKA, Josef, inz.

Influence of temperature on milk volume changes. Prum potravin 14  
no.3:136-139 Mr '63.

1. Vzykumny ustav mlekarensky, Praha, pracoviste Tabor.



STRMISKA, Josef, inz.

Mechanized line for Edam cheese production. Prum potraviv 14  
no.10:511-513 0 '63.

1. Vyzkumny ustav mlekarensky, Praha, pobočka Tabor.

STRUMISEA, Josef, inz.

High-speed squeezing in making cottage cheese. Prum potraviny  
15 no. 6:302-304. Je '64.

1. Institute of Dairy Research, Prague, Worksite Tabor.

STRMEŠKA, Josef, Ing.

Effects of cottage cheese consistency. In: *Průmysl potravin 13* no 12:  
617-623. D 1964.

1. Institute of Dairy Research, Tabor.

STRMOTIC, Emilija, psiholog

Contribution to the study of the role of psychomotor coordination in successful fliers. Voj.san.pregl., Beogr. 17 no.12:1275-1277 D '60.

1. Vozduhoplovnomedicinski institut u Zemunu  
(AVIATION MEDICINE)  
(MOTOR SKILLS)

BIDOVEC, Franc, sanitetski potpukovnik dr; DEBIJADI, Rudi, sanitetski major  
dr; RISAVI, Antun, sanitetski potpukovnik dr.; STERMOTIC, Emilija,  
prof; VASIC, Zivorad, prof.

Certain practical problems in aviation medicine. Voj.san.pregl.,  
Beogr. 17 no.12:1319-1328 D '60.

1. Vozduhoplovnomedicinski institut u Zemunu,  
(AVIATION MEDICINE)

STRNAD, Alois, Inz.

Automatic feeding of swine by feed grown on the farm. Vestnik CSAZV  
7 no.3:152 '60. (EEAI 9:7)

1. Vyzkumny ustav pro chov prasat Ceskoslovenske akademie zemedel-  
skych ved, Kostelec nad Orlici.  
(Czechoslovakia--Swine)

STEIN, A.

Two cases of Copenhagen's syndrome congenita. Lek. List, 5:12,  
15 June 50. p. 311-7

1. Of the Clinic for Nervous Diseases, Masaryk University in Brno.  
(Head-Prof. Karol Popok, M. D.).

(LMS, 19, 5, Nov., 1950)

1773, A.

STRNAD A.

Prispevek k etiologii myasthenie. Etiology of myasthenia  
Lek. listy 6:10 15 May 51 p. 281-3.

1. Of the Clinic for Nervous Diseases of Masaryk University,  
Brno (Head--Prof. Karel Papek, M.D.).



BOHANEŠ, Mojmir; STERNAD, Antonín

Ornithosis in neurology. Cesk. neur. 23 no.1/2:99-106 Ja '60.

1. Neurologické oddělení OUNZ Uh. Hradiste, prednosta prim.

Dr. A. Strnad.

(ORNITHOSIS compl.)

(MENINGOENCEPHALITIS etiol.)

BOGANES, M.; STRNAD, A.

Neurological manifestations of ornithosis. Zhur. nevr. i psikh.  
60 no.10:1297-1299 '60. (MIRA 14:1)

1. Nevrologicheskoye otdeleniye (zav. A. Strnad) instituta zdra-  
vookhraneniya g. Ugerske Gradishte, Chekhoslovakiya.  
(ORNITHOSIS)

BOHANEŠ, M.; GROMBIR, J.; GRUNNER, O.; KNOZ, J.; STRNAD, A.; VALIHRACH, J.

Ornithosis neuroinfection. Cas.lek.cesk.99 no.39:1238-1242 23 S '60.

1. Neurologické oddělení OUNZ Uh. Hradiste, prednosta prim.dr.  
A. Strnad. KHEŠ v Gottwaldove, oddělení v Uh. Hradisti, virologická  
laborator, prednosta prim.dr. J.Valihrach.  
(NEUROLOGY)  
(ORNITHOSIS compl)

BRUCH, T.; KOLAR, V.; KONECNY, M.; STERNAD, F.

Tentative treatment of bladder tumors by a combination of  
instillation of cytostatics and subsequent irradiation.  
Cesk. radiol. 20 no.1:21-24 Ja '66.

1. Onkologický ústav v Brně (reditelka MUDr. D. Kadlecová,  
CSc.).

Polarographic studies with the dropping mercury cathode. LXXXI. Electroreduction of hydrogen peroxide catalyzed by plumbous ions. P. Sirmad. *Collection Czech. Chem. Commun.* 11, 791-802 (1939) in English; J. Reimers, *C. I.* 34, 8407. The polarographic wave due to the electroreduction of  $H_2O_2$  in neutral soln. is shifted to more pos. potentials in the presence of very small concns. of  $Pb^{2+}$ . This effect disappears with a sudden drop in the polarographic curve at  $-0.45$  v. (N calculated cell = 0), which is the deposition potential of Pb on the Hg cathode. Solns. with Pb concns. between  $10^{-7}$  and  $10^{-2}$  N show this effect; it is suppressed by acids, alkalis, adsorbable materials or colloids. The effect is shown best by Pb-contg. solns. of  $Ca(NO_3)_2$  of such a concn. (approx. 0.1 N) that the max. due to the reduction of peroxide anions just disappears. A Hg dropping speed of 3 sec./drop is most suitable. The phenomenon presumably results from a catalytic increase in the rate of reduction of  $H_2O_2$ ; in the absence of a catalyst this is a slow irreversible process. Of a group of 23 cations and anions studied only  $Pb^{2+}$ ,  $Fe^{2+}$ ,  $Co^{2+}$  and  $Ni^{2+}$  had any catalytic effect; the Pb was by far the most effective.

T. H. Dunkerberg

ASB 534 METALLURGICAL LITERATURE CLASSIFICATION

7

**Polarographic determination of cyclohexanone and other carbonyl compounds.** P. Strnad. *Chem. Listy* 43, 16-17 (1949).—The method is based on the decrease of the wave of  $\text{SO}_2$  in  $\text{NaHSO}_3$  soln. by the formation of bisulfite addn. compds. with aldehydes and ketones. Three curves are necessary for the detn.: (a) the curve of the bisulfite soln. contg. 0.25 mol.  $\text{Na}_2\text{SO}_3$ , 0.3 mol.  $\text{H}_2\text{SO}_3$ , and 0.05% gelatin; (b) A curve after the addn. of a known quantity of cyclohexanone (I) (1%); (c) and a curve after addn. of I. The dependence of the decrease of wave height of  $\text{SO}_2$  caused by the reaction with I is linear up to 1.5% concns. of I. The method was compared to the detn. of I by titrating the  $\text{HCl}$  evolved by oximation. Max. differences were 2%. The polarographic method can be applied to cyclopentanone, cyclopentanone, methyl ethyl ketone, phenyl ethyl ketone, phenyl ethyl diketone, and  $\text{H}_2\text{O}$ . M. Hudlický

R.A.

Polymers from Halogenated  
hydrocarbons

1357. Determination of vinylacetylene in chloro-  
prene. *J. Polym. Sci. Polym. Chem. Ed.* 1961, **15**, 229-23. *J. Polym. Sci. Polym. Chem. Ed.* 1958, **16**, 799. A method for  
the determination of vinylacetylene in chloroprene  
polymers is described. The method involves the  
oxidation of the polymer to acrolein, which is  
neutralized by the acetone. The ester is then  
estimated by titration with 2,4-dinitrophenol.  
Presence of divinyl acetylene is determined by the  
3-21122-11

CA

Determination of vinylacetylene in chloroprene. Frantisek Strnad and Miroslav Klátil. *Chem. Listy* 45, 230 2. (1951). —A 5-cc. sample of chloroprene was shaken thoroughly (10 min.) with 100 cc. aq. 0.5 N AgNO<sub>3</sub>, 100 cc. 1 N NH<sub>4</sub>OH, and 100 cc. EtOH in 150 cc. water. NaC≡CCH=CH<sub>2</sub> formed liberated an equiv. of HNO<sub>3</sub>, which neutralized the equiv. of NH<sub>4</sub>OH. The amt. of HC≡CCH=CH<sub>2</sub> was estd. by the back titration of excess NH<sub>4</sub>OH with 0.5 N HCl (methyl orange). AcH and MeC≡CCH=CH<sub>2</sub> up to 1% content did not interfere, but H<sub>2</sub>C=C(C≡C)CH=CH<sub>2</sub> increased the results. M. Hudlický



STRNAD, J.

"Molecular acoustics" by W. Schaafs. Reviewed by J. Strnad. Stroj vest  
9 no.4/5:133 0 '63.

STANAD, J.

Magnetic monopoles. *Utz mat fiz ll no. 4:181-184 D '64.*

Delayed protons. *(ibid. 184-186*

STRNAD, J.

Non-specific lymphadenitis of the mesenteries. Rozhl. chir. 42  
no.2:142-144 F '63.

1. Chirurgické oddelení nemocnice v Caslavi, přednosta MUDr.  
R. Pribyl.

(MESENTERIC LYMPHADENITIS)

STRAK, J.

"Tanning glove skins by alkyl sulfochlorides."

KVĚRSTVI, Praha, Czechoslovakia, Vol. 8, No. 12, 1958.

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

Unclassified.

STRNAD, J.; HRIBAR, M.; GRÖS, M.

How much physics do the students of the Mathematical and Physical  
Department know in the first year. Obz mat fiz 11 no.4:190-191  
D '64.

STRNAD, J.

18784

ALBEDO OF NON-STATIONARY NEUTRON CURRENTS  
(RS 3). M. Riharić and J. Strnad. "J. Stefan" Inst. Repts.  
(Ljubljana) 3, 31-8(1958) OCT.

The changes of the albedo of time dependent neutron currents are discussed. Supposing that the elementary diffusion theory is valid, the calculations are made for a spherical, a plane, and a cylindrical boundary of an infinite reflector. Further some practical estimates and the cases in which the dynamic albedo can be approximated by

the stationary one (with the inaccuracy  $\beta$ ) are mentioned. If the relative changes of  $J_{in}(t)$  during a time of  $t > L/v$  are small, it is possible (for a proper accuracy  $\sim 1\%$ ) to use the stationary albedo instead of the dynamic one depending on  $J_{in}(t)$ . Shortly after sudden jumps ( $t > L/v$ ) the stationary albedo can likewise be used instead of the dynamic one. (auth)

3

1-Rmk

1-Sym

Rmk 10/1/58

STRNAD, J.

JZ185

DYNAMIC PHENOMENA IN A REFLECTOR (RS 4).  
M. Ribarić and J. Strnad. "J. Stefan" Inst. Rep'ts. (Ljubljana) 3, 39-44 (1956) Oct.

The neutron flux density in the reflector for a time dependent flux density at the reflector boundary was investigated. This investigation is made using the elementary diffusion theory. The results are given for four special time changes of flux density at the boundary. The ratios  $\phi(\omega_0)/\phi(\omega_0 = 0)$ ,  $\phi(t, x)/\phi_0(t, x)$ , and  $\phi(t, x)/\phi(t - \infty, x)$  in the case of a spherical, cylindrical, or plane boundary do not involve the geometrical shape of the boundary, depending only on the distance from the boundary. Therefore the results can be taken as approximations for any kind of similar boundary geometries, taking in account a proper average distance from the boundary. The equations give some practical estimates, which are important for choosing of the instrument location in a reflector. (auth)

*J*

*auth*

YUGOSLAVIA/Nuclear Physics - Penetration of Charged and Neutral Particles Through Matter. C.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15024

Author : Ribaric, M., Strnad, J.

Inst : -

Title : Albedo of Non-Stationary Two-Group Neutron Currents (RS-6)

Orig Pub : Repts. "J. Stefan" Inst., 1957, 4, 3-14

Abstract : The authors determine the albedo of an infinite spherical reflector with inside radius  $R$  for a time-dependent neutron current  $J_{in} = J_-$ . The calculations are carried out in the two-group approximation. To obtain a relation between the outgoing current  $J_+$  (of thermal and fast neutrons) and the incoming current  $J_-$ , use is made of the direct and inverse Laplace transformations. The incoming thermal neutron current consists of two components,  $J_{ss}$  (returning current of thermal neutrons) and  $J_{fs}$  (slowing down fast neutrons returning as thermal).

Card 1/3

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YUGOSLAVIA/Nuclear Physics - Penetration of Charged and  
Neutral Particles Through Matter.

C

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15024

The behavior of  $J_{ss}$  was investigated previously.  $J_{fs}$  can be obtained in analogy with  $J_{ss}$  by replacing the "thermal" constants by corresponding "fast" constants. Particular attentions paid to calculation of  $J_f$  -- the outgoing current of thermal neutrons, obtained by moderating the current of the fast ones. The authors consider four cases of time dependence of  $J_{in}$ : pulse, step-like change, oscillation, and slow variation. Equations are derived for  $J_{ss}$  in case of a pulse and unit step change in  $J_{in}$ ; here the authors neglect the lifetime of the fast neutrons, thereby introducing a certain incorrectness in the initial time variation of  $J_{fs}$ . The results of calculation of  $J_{fs}(t)$  for a water reflector are shown in the form of graphs. Asymptotic expressions are derived for  $J_{ss}$  at large  $t$  ( $t > \tau_s$ ). For a pulsed change in  $J_{in}$ , the authors calculate the average times

Card 2/3

STRNAJ, J.

Distr: 4E3c/4E3d

19

Time dependent two-group neutron flux in a homogeneous reflector. M. Ribarić, I. Strnad, and A. Peterlin. "I. Srejan" Inst. Repts. (Ljubljana) 4, 15-28(1957).—Math. analysis is made of spatial distributions of the 2-group neutron flux in a homogeneous reflector. Various types of time dependence of the flux at the reflector boundary are examd. J. M. Honig

JW  
1/1

6  
2

YUGOSLAVIA/Nuclear Physics - Nuclear Technology and Power

C-8

Abs Jour : Ref Zhur - Fizika, No 5, 1959, No 10210

Author : Peterlin A., Rebaric M., Strnad J.

Inst : -

Title : Albedo and Transparency of Reflectors in One-Dimensional  
Two-Group Diffusion Theory

Orig Pub : Repts. "J. Stefan" Inst., 1957, 4, 29-42

Abstract : Description of a method of determining the scalar ( $\phi$ ) and vector ( $J$ ) neutron fluxes at the boundaries of multiply-layered reflectors and the calculation of the critical equation with the aid of calculations of albedo and transparency of individual layers. Formulas are derived for the elements of the albedo matrix and of the transparency matrix for separate spherical, plane, and cylindrical layers (in the calculations use is made of the two-group constants). Approximation equations are used, by which the authors calculate the matrix element of the albedo for  $H_2O$ ,  $D_2O$ , and C.

Card : 1/2

STRNAD, J.

The bisecting of a triangle. Obz mat fiz 7 no.1:29-31 Mr '60.  
(EEAI 9:8)

(Triangle)

STRNAD, J.

New confirmation of the special theory of relativity. Obz mat fiz 7  
no.3:133-134 '60. (EEAI 10:5)

(Relativity (Physics))

PAHOR, S.; STRNAD, J.; KORBAR, R.

Measuring the gravitational constant as a demonstration experiment.  
Obz mat fiz 7 no.3:138-142 '60. (EEAI 10:5)

1. Fizikalni institut univerze.  
(Gravitation)

STRNAD, Janez

The Mossbauer effect. Obz mat fiz 7 no.4:161-173 '60. (EEAI 10:5)

1. Institut za fiziko Univerze v Ljubljani.  
(Absorption spectra)  
(Cases)  
(Gamma rays)

STRNAD, Janez

Intermolecular forces. Obz mat fiz 8 no.1:28-32 My '61.

1. Fizikalni institut Univerze v Ljubljani.



STRNAD, J.

Separation of isotopes with gas centrifuges. Obz mat fiz 8 no.1:33-37  
My '61.

STRNAD, Janez

Electromagnetic structure of nucleons. Obz mat fiz 8 no.3:120-127  
N '61.

1. Katedra za fiziko Univerze v Ljubljani.

STRNAD, J.

Muonium. Obz mat fiz 8 no.3:128-131 N '61.

STRNAD, J.

Statistics and linguistics. Obz mat fiz 8 no.4:175-177 D '61.

STRNAD, Janez (Ljubljana)

An approximation for the absorption in the quasi-elastic dispersion of protons on the light nuclei. Glas mat fiz Hrv 17 no.1/2:89-94 '62 [publ. '63].

1. Fizikalni institut Univerze, Ljubljana.

STRNAD, Janez

New elementary particles. Obz mat fiz 10 no.1:22-33 Ap '63.

WEISSKOPF, V.F., STRNAD, J. [translator]

The place of elementary particles research in the development  
of modern physics. Obz mat fiz 10 no.3:116-127 N'63.

STRNAD, J.

Hyperon nuclei. Obz mat fiz 10 no. 3:126-130 N'63.

How much physics do the students know in the first year  
of the Mathematics and Physics Section. 142.



STRNAD, Janez

Neutrino in astrophysics. Obz mat fiz li no.1:13-17 Je '64

One more model for nuclear particles. Ibid.:23-25

Discovery of omega particle. Ibid.:26-28

STERNAU, J.

X rays from outer space. Obz mat fiz 11 no.2:76-79 '64.

A new nomenclature for mesons and baryons. Ibid.:80-81

$H^+$ , a new isotope of hydrogen. Ibid.:81-82

Medicine and science. Ibid.:92-93

STRNAB, Janez

Shock waves in solid media, a new road toward controlled  
nuclear fusion. Obz mat fiz 11 no.3:128-133 0 '64.

STRNAD, Jaroslav

Repairing the porosity of castings. Slevarenstvi 11 no.1:33-34  
Ja '63.

l. Kovblis, n.p., Hedvikov.

STRNAD, J.

TECHNOLOGY

Periodicals: RUDY VOL. 6, No. 3, Mar. 1958

CHRT, J: STRNAD, J. Prospects for locating industrial deposits of diamonds and zirconium in the Central Bohemian Highlands. P. 93.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 5 May 1959, Unclass.

S/081/62/000/001/012/067  
B156/B101

AUTHOR: Strnad, Jiri

TITLE: Datolite hornblende schist, raw material for boron

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 124, abstract  
1G57 (Časop. mineral a geol., v. 6, no. 2, 1961, 157-160)

TEXT: The geology of a deposit close to Prague is described briefly. Details are given of semi-quantitative spectrographic analysis. It is shown that boron is to be found in about one tenth of the deposit (amounts > 1%).

[Abstracter's note: Complete translation.]

Card 1/1

STANAD, Jiri

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Prague, Casopis pro Mineralogii a Geologii, Vol VI, No 3, 1961,  
pp 367-368.

Data: "Kimberlites in Brazil?"

STRNAD, Jiří

Czechoslovakia

Prague, Časopis pro mineralogii a geologii, No 4, 1962,  
pp 434-438

" The Relationship of a Part of the European Neogenic  
Volcanism with Kimberlite Magmatism."



SERNAD, Jiri

[A large rectangular area containing extremely faint, illegible text, possibly a document or a list of names.]

(A)

SIGNAL, JIRI

Handwritten notes or a diagram, possibly a map or technical drawing, enclosed in a dashed rectangular border. The content is mostly illegible due to the quality of the scan and the nature of the handwriting.

STRNAD, Jiri

New discovery of laterites in northern Bohemia. Cas min geol  
7 no.3:352 '62.

CHRT, Jiri, RNDr., laureat statni ceny; STRNAD, Jiri, promovany geolog

Magnetite and polymetallic skarn, a new type of metallization in the metamorphic areas of Central Bohemia. Geolog pruzkum 5 no.1: 18-19 Ja '63.

1. Geologicky pruzkum, n.p., Praha.