

POKORNY, Adolf, ins. dr.

Parts made by powder metallurgy techniques. Stroj vyr 10  
no.6:296-300 '62.

1. Zavody Jana Svermy, n.p., Brno.

POKORNY, ADOLF

PA 161T106

CZECHOSLOVAKIA/Metals - Steel Heat Treatment May 50

"Electroinductive Method of Determining the Quality of Heat Treatment of Steel," Adolf Pokorny, Dr Eng Brno, 11 1/2 pp

"Butnicke Listy" Vol V, No 5

Tool and high-speed steels show characteristic shapes of hysteresis loops, changing with type of material and heat treatment. Numerous examples show that quality and type of test pieces can be determined by comparison. Concludes observation of hysteresis loop on Braun tube is very useful in

FDD 161T106

CZECHOSLOVAKIA/Metals - Steel (Contd) May 50

production control. Types of material and their thermal treatment can be differentiated in simple manner by this method.

FDD

161T106

PUNCOCHAR, Z., inz.; HRBEK, A.; CHVATAL, Vlad., inz.; VETSIKA, A.; KECLIK, V.;  
JENICEK, L.; POKORNY, A.; HOREJS, S.; ZIDEK, inz.

Information on metallurgy. Hut listy 16 no.6:445-455 Je '61.

POKORNY, A.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41				
G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ

PROCESSES AND PROPERTIES INDEX

Determination of the Quality of Heat Treatment of Steel by an Electromagnetic Circuit and a Cathode-Ray Oscillograph. A. Pokorný. (Hutnické Listy, 1960, vol. 6, May, pp. 165-168). [In Czech]. The author has studied the possibility of using differences in the shape of hysteresis loops for drawing conclusions on the quality and heat-treatment of steel parts. Tool and high-speed steels have characteristic hysteresis loops which vary according to the quality and heat-treatment of the steel. The apparatus consists of a step-down transformer feeding the primary of the test transformer in the secondary of which a hole is provided for inserting the specimens. The output of the secondary winding is fed into an amplifying circuit which feeds the amplified voltage into a cathode-ray oscillograph. It was found that there is an optimum ratio of the primary to the secondary windings for which the shape of the loop is most favourable for observation. Twenty-six different steels after various heat-treatments were tested and the results are shown on 180 oscillograms. This method is particularly suitable for comparing samples with a standard and for sorting out differently heat-treated parts of the same material, or parts made of different materials.—E. O.

LA METALLURGICAL LITERATURE CLASSIFICATION

EX-111-111

POKORNY, A.

KRATKY, J.; POKORNY, A.; SAJNER, J.

Relation of chemical substituents and biological comparison of  
esculin and quinine. Cas. cesk. lek. Ved. priloha. 63 no.7-8:  
105-106 1950. (GLML 20:4)

POKORNY, Adolf

Development and Contemporary State of Spectrographic Analysis in the USSR. (In Czech.) Adolf Pokorny. Lutnicko Listy, v. 7, Feb. 1982, p. 62-64.

A brief outline. (S11)

Immediate Source Clipping

POKORNY, A.

3

Practical Application of the Electromagnetic Induction  
Instrument ZETAP for Quality Control. A. Pokorný and J.  
Vavica. (Hutník, (Prague), 1954, 4, (1954), 338-339). (In  
Czech). Construction and use of a sorting bridge with the  
output coupled to an oscilloscope (both of Czechoslovak  
manufacture) are described. The homogeneity of semi-  
finished goods, such as rods and tubes can be checked.--P. 7.

M

POKORNY, A.

"Sorting Materials by the Electric Induction Method, by the Zetap Apparatus."  
p. 612, (HUTNIKE LISTY, Vol. 9, No. 10, Oct. 1954, Brno, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.



POKORNY, A.

POKORNY, A.

Joannes Marcus Marci a Kronlund. p. 550 (Hutnicke Listy. Prno. Vol. 9, no. 2, Sept.

1954)

SO: Monthly List of <sup>East</sup> European Accession (SEAL), IC, Vol. 4, No. 6,  
June 1955, Uncl.

POKORNY, A.; VASICA, J.

"ZETAP, electronic apparatus for nondestructive material testing." p. 9.

TECHNICKA PRACA. (Rada vedeckych technickych spolocnosti pri Slovenskej akademii vied). Bratislava, Czechoslovakia, Vol. 7, No. 1, 1955.

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

POKORNY, A.

POKORNY, A. Contribution to determination of the solubility of trifluoroethylene in methanol, ethanol and in 1, 1, 2-trifluoro-1, 2, 2,-trichloroethane. p. 135. Vol. 10, no. 2. Feb. 1956  
CHEMICKE ZVESTI. BRATISLAVA. CZECHOSLOVAKIA.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

Pokorný, A.

✓ Electro-Induction Tests by Means of the Instrument  
"ZETAP." A. Pokorný. (Sbornik Defektoskopie, 1956,  
295-306). [In Czech]. The design, scope and performance of a  
sorting bridge of Czechoslovak manufacture are considered.

all

Pokorny, A.

Pokorny, A. We have to accomplish successfully the tasks of the building industry in 1957. p. 1.

Vol. 5, no. 1, Jan. 1957

POZEMNI STAVBY

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, No. 5, May 1957

POKORNY, A., inz. dr.

Properties, processing, and testing of sintered steel machine parts.  
Strojirenstvi 13 no.7:505-511,515 J1 '63.

1. Zavody Jana Svermy, Brno.

POKORNY, A.

Experience of a foreman. p.229.

(Strojirenska Vyroba, Vol. 5, No. 5, May 1957, Praha, Czechoslovakia)

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

Pokorny, A.: Matousek, M.

Activation of the clinkers of Trmice by wet milling. p.108

(Stavivo. Vol. 35, no. 3, Mar. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC, Vol. 6, no. 10, October 1957. Uncl.



POKORNY, A.

Remarks on the properties of lime-slag bricks.

P. 308, (Stavivo) Vol. 35, no. 8, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (MEAI) Vol. 6, No. 11 November 1957

POKORNY, Adolf

Distr: 4E3d  
21

~~Spectrographic determination of carbon in steels. Adolf Pokorny (Zavody J. Svermy, n.p., Brno, Czech.). Hutnicka listy 13, 802-8(1958).—The new method for spectrographic detn. of C was elaborated. The Q 24 quartz spectrograph and the FF20 spark generator with small adaptations enabling an accelerated C detn. was used. The analytical lines C III 2286.83 and Fe 2308.77, 2304.73, 2294.41, 2292.52, 2295.87, 2286.15, 2298.71, 2279.92 A. have been used; one standard electrode has been applied only. The amt. of C in % is read directly by a graduated scale. 45 references.~~  
Petr Schneider

85  
1/1

4

POKORNY, A.

TECHNOLOGY

PERIODICAL: CHEMICKY PRUMYSL, VOL. 8, no. 12, Dec. 1958

Pokorny, A. Control test of the packing in pressure and bw-pressure installations. p. 642.

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

POKORNY, A.

TECHNOLOGY

periodicals: HUTNICKE LISTY Vol. 13, no. 10, Oct. 1958

POKORNY, A. Quantitative spectrographic analysis of carbon in steels. p. 829

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

ZELENSKA, J.; JETEL, M.; POKORNY, A.

Examination of 383 six-year-old children before school admission using a polyclinic method. Cesk. pediat. 14 no.4:374-378 5 Apr 59.

1. Detsko-kujenske oddeleni OUNZ' Cheb, prim. MUDr. Jiri Zelenka. J. Z. Cheb, Brandlova 15.

(PEDIATRIC DISEASES, statist.

mass survey of 6-year-old child, before admission to school (Cz))

(PHYSICAL EXAMINATION,

polyclinic method of mass exam. of child. before admission to school (Cz))

POKORNY, A. ; FOLTYN, A.

"Cinder for cinder concrete." p. 224.

STAVIVO. (MINISTERSTVO STAVEBNICTVI). Praha, Czechoslovakia, Vol. 37, no. 7,  
July 1959.

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

POKORNY, Adolf, dr. inz.

"Principles of powder metallurgy" by I.M. Fedorcenko [Fedorchenko, I.M.], R.A.Andrijevskij [Andriyevskiy, R.A.]. Reviewed by Adolf Pokorny. Stroj vyr ll no.8:422 Ag '63.

Z/034/61/000/007/004/007  
E073/E535

**AUTHOR:** Pokorný, Adolf, Engineer Doctor

**TITLE:** Experience gained with machined parts produced by powder metallurgy methods

**PERIODICAL:** Hutnické listy, 1961, No.7, pp.497-503

**TEXT:** Sintered iron rods and blocks from ten mixtures, differing as regards grain size of the initial powder and the carbon and copper contents, were the subject of the experiments. In extensive tests it was found that the hardness values varied greatly if measured according to the Vickers method but varied less if measured according to the Brinell method. It was agreed with the manufacturers, Kovohuty Mokrad, that the hardness will be measured by the Brinell method, using a 2.5 mm ball with a load of 62.5 kg for 30 sec. Tensile tests carried out on 12 x 12 x 86 mm specimens with ends rounded off ( $r = 6$  mm) yielded favourable results. Brazing with copper was unsuccessful but later experiments showed that brazing with copper is possible provided the sintered iron is saturated with copper. This is done by spraying copper powder on the specimens and passing them through a brazing furnace. If a

Card 1/3

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Experience gained with machined parts ... Z/034/61/000/007/004/007  
E073/E535

sufficient quantity of copper powder is used, the copper penetrates throughout the cross-section and this has a favourable effect. If the copper powder is added during the pressing, a material suitable for heat treatment is obtained. Very favourable results were obtained in producing components of complicated shape by welding solid pieces of steel to parts produced by powder metallurgy methods. It was found that sintered parts have as good welding properties as solid steel. This technique is used particularly for producing small parts of complicated shape. Laboratory fatigue tests using a pulsator with a 7000 kg load gave favourable results for nuts produced by powder metallurgy methods from the same material as tractor bolts. The bolts fractured before the nuts showed any appreciable sign of damage; the last thread of the nut tore away when the bolt fractured. Wear tests both by a Skoda-Savin instrument and in practical tests in pumps for durations of up to 5000 hours showed that the sintered part had a very high wear resistance. Carburization tests showed that carburization has a very favourable effect for certain mixtures but this will have to be supplemented by

Card 2/3

Experience gained with machined parts ... Z/034/61/000/007/004/007  
E073/E535

quenching in water or in oil. Quenching of sintered steel presslings brought about an increase in hardness but did not result in an increase in tensile strength. This result was obtained on specimens made from a sintered block and it is quite possible that parts produced directly by pressing will have more favourable properties. Corrosion tests were less favourable. The usual conservation with grease does not provide adequate protection. Nickel plating improves the anticorrosion properties but not sufficiently. Cadmium coating produced somewhat better results. Long duration tests with various anticorrosion treatments are continuing. There are 20 figures, 2 tables and 11 references: 8 Soviet-bloc and 3 non-Soviet-bloc.

ASSOCIATION: Závody Jan Šverma, Brno (Jan Šverma Works, Brno)  
SUBMITTED: February 1, 1961



Card 3/3

POKORNY, A., inz., dr.

Advantages of powder metallurgy. Stroj vyr 9 no.12:606-608,610 '61.

1. Zavody Jana Svermy, n.p., Brno.

S/137/62/000/002/125/144  
A052/A101

AUTHOR: Pokorný, A.

TITLE: Welding of pressed ceramic metal parts with steel parts

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 47, abstract 2E264  
("Zváranie", 10, no. 8, 1961, 250-251; Czechoslovakian; summary  
Russian, English, German)

TEXT: The welding of a threaded bushing (10 mm in diameter, 8 mm high)  
to a typewriter pressed escape wheel (32 mm in diameter, 2 mm thick) by 4  
different methods (relief welding) is described. The atomic-hydrogen welding of  
pressed parts is also feasible. The welding facilitates the manufacturing of  
parts of complex form, assembled of two simpler parts.

Ye. Greyl'

[Abstracter's note: Complete translation]

Card 1/1

POKORNY, Adolf, dr. inz.

Pressing tools for making parts from powdered metals. Stroj vyr  
11 no.10:493-498 0 '63.

1. Zavody Jana Svermy, n.p., Brno.

POKORNY, A.G., inž., dr.

Importance and use of sintered pelletized fly ash. Stavivo 41  
no.6:204-205 Je '63.

1. Vyzkumny ustav stavebnich hmot, Brno.

Pekorny, Adolf Gustav

7  
0  
0

~~The determination of the solubility of trichloro-  
ethylene in methanol, ethanol, and 1,1,2-trifluoro-1,2,2-tri-  
chloroethane. Adolf Gustav Pekorny (Vestn. Akad. Nauk  
Sov. Sveta 1958, 1: 100-101) (Chem. Abstr. 52: 10010d)  
1958) Solubility measurements at various temps. and  
pressures are reported. See Mick.~~

PM  
1958

*POKORNY, A.G.*

CZECHOSLOVAKIA/Fats and Oils, Waxes, Soaps, Detergents,  
Floting Agents.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65702

Author : Pokorny, A.G.

Inst :

Title : Quick Determination of Fat.

Orig Pub : Chem. prumysl., 1957, 7, No 7, 363.

Abstract : Describes an extraction method for determining neutral fat in soap. For determination of fat, a batch of soap 0.5-1.0 g is taken. An extraction of neutral ethers is produced in 2-3 hours. A sketch of the instrument for extraction is given.

Card 1/1

21



POKORNY, A.G., inż. dr.

Prospects of the development of porous stones in Poland.  
Stawivo 42 no.1:31 '64.

COUNTRY : Czechoslovakia H-13  
CATEGORY :  
ABS. JOUR. : RZhKhm., No. 21 1959, No. 75623  
AUTHOR : Pokorny, A. G.  
INST. : Not given  
TITLE : Activated Agloporites  
ORIG. PUB. : Stavivo, 36, No 12, 475-476 (1958)  
ABSTRACT : As a supplement to a previous article (RZhKhm, 1959, No 14, 50476), the author reports on the possibility of the realization of cement savings in the use of activated agloporites in the production of light concretes (C). Two types of slag and agloporite from Ostrava (Czechoslovakia) were used. The activation was carried out by the wet process. It is noted that the activity depends on the Al<sub>2</sub>O<sub>3</sub> content and structure in the raw material. Metakaolinites were found to be

CARD: 1/2

202

COUNTRY : GDR H-15  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 21 1959, No. 75625  
AUTHOR : Matousek, M. and Pokorny, A. G.  
INST. : Not given  
TITLE : The Activation of Coal Slags for Use in Light  
Concretes  
ORIG. PUB. : Silikattechnik, 10, No 2, 92 (1959)  
ABSTRACT : A process for the production of hollow cinder  
blocks from bituminous and brown coal slags is  
described. The use of crusher rolls is recom-  
mended for the realization of savings in cement  
requirements without sacrificing product quality.  
The 0-3 mm slag fractions are mixed with cement  
and water for 3 min with the rolls lowered; next,  
slag of 3-15 mm particle size is added, the rolls  
are raised, and the mass is mixed for 2 min. The  
addition of water to the crushed mass has a

CARD: 1/2

203

POKORNY, A. K.

10-229. Uziti spektralniho "ozboru v Hutnictvi. (Application of Spectrographic Analysis  
in the Metals Industry.)

A.K. Pokorny. Hutnicke Listy, v.2, Sept. 1947, p. 51-57

Some of the methods in use and practical examples such as in ore testing, raw material  
control, tapping control.

immediate source clipping

POKORNY, B.

(4)

CZECHOSLOVAKIA

POKORNY, B; LEHKY, F; SEBEK, Z; VOSTA, Jihlava; VOSTA,  
Jar;

Ceske Budejovice (for all)

Prague, Veterinarstvi, No 3, 1963, pp 103-105

"Natural Focuses and Reservoirs of Leptospira around  
Liberec in 1959."

POKORNY, B.; JIROVEC, O.; HAVLIK, O.

Biology of Leptospira cultures [with summary in German]. *Chesh.*  
biol. 1 no.1:42-56 '52. (MLRA 6:12)

1. Gosudarstvennyy veterinarnyy issledovatel'skiy institut, Praha,  
Parazitologicheskiy institut Karlova universiteta, Praha.  
(Leptospira)

FOKOFNY, B., JIROVEC, O., HAVLIK, O.

"Biology of Leptospira Cultures." p. 42 (CHEKHOSLOVATSKAIA BIOLOGIIA, Vol. 1, No. 1, May 1952) Praha, Czechoslovakia

S0: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

POKORNY, E.

Construction of cranes for building from the point of view of labor safety. p. 111.

Vol. 3, no. 4, April 1954 (Mechanisace)  
INZENYRSKE STAVBY  
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956



POKORNY, E.

Vector analysis and control regulations. p. 94. ELEKTROTECHNIK. (Ministerstvo strojirentsvi) Praha. Vol. 11, no. 3, Mar. 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

Fokorny, B.

"A theoretical analysis and an experimental study of heat transmission by radiators in heated areas.

p. 49 (Sbornik, No. 1, 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958

EXCERPTA MEDICA Sec 17 Vol 5/2 Public Health Feb 59

447. ADDITIONAL NEW ANIMAL CARRIERS OF LEPTOSPIRA IN BOHEMIA -  
Weitere neue Leptospirenträger in Böhmen - Pokorny B., Lehky F.,  
Sebek Z. and Vosta J. Staatl. Veter. Wissenschaftl. Inst., Praha;  
Kreisstat. für Hyg. und Epidemiol., Jihlava; Kreisstat. für Hyg. und Epi-  
demiol., Ces. Budějovice - ZBL. BAKT., I. ABT. ORIG. 1958, 172/1-2 (135-  
141) Tables 1 illus. 2

The authors examined 50 water rats, 75 musk rats, 118 shrews and 24 water shrews. Significant antibody levels against *L. grippotyphosa* were present in 6 water rats and musk rats, 8 shrews and 2 water shrews. In all of these 4 animal species, leptospirae could be visualized in the kidneys by silver impregnation. These belong to the 18 animal species well known to be carriers of leptospira in Czechoslovakia. Their significance for the maintenance and transmission of leptospirosis is discussed. Contrary to findings in Slovakia, leptospirae of the grippotyphosa group were present in shrews. Finally, the authors refer to positive serologic reactions found in other wild animals (moles, hedgehogs, weasels, polecats, foxes, roes and hares).

POKORNY, Bohumil, inz.

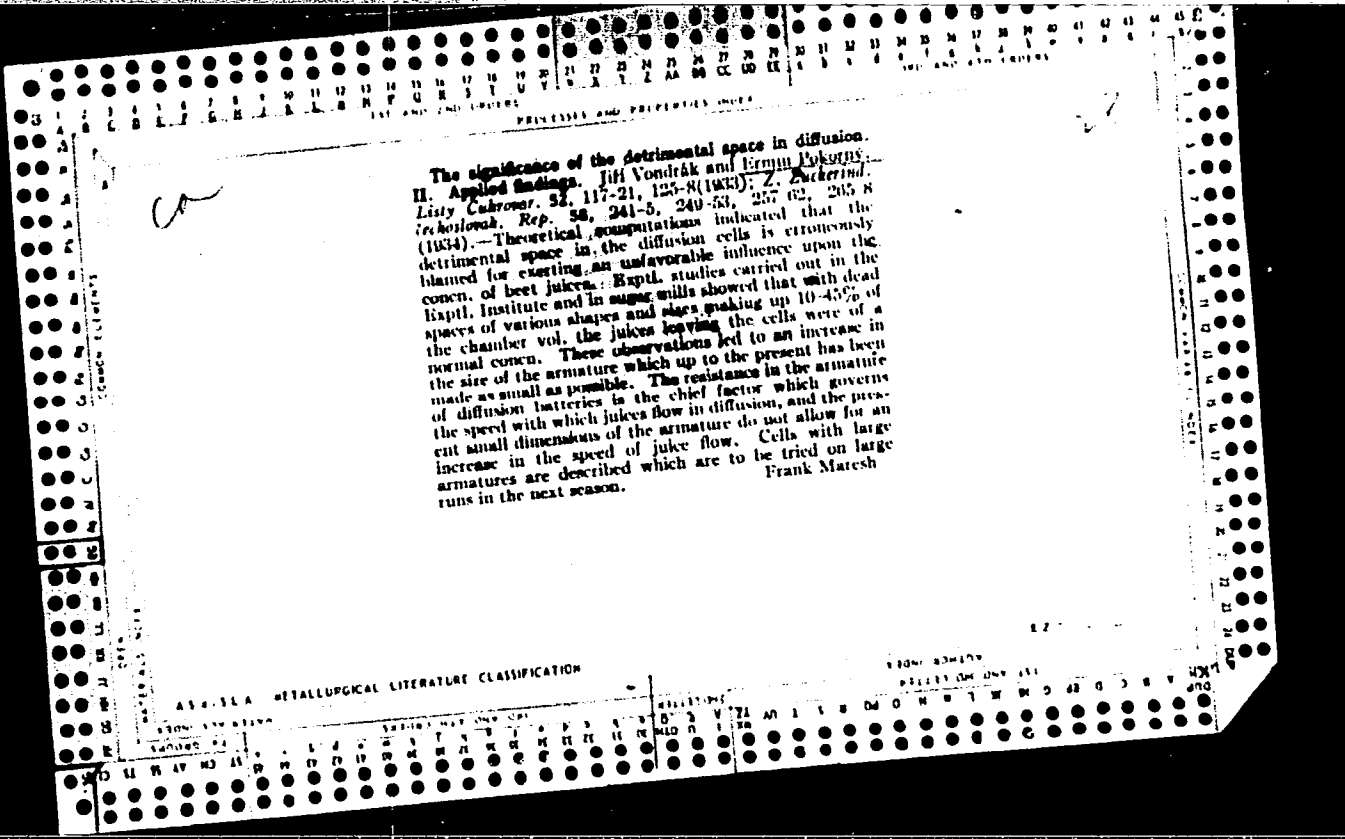
Reduction of the prescribed carrying capacity of clams for light  
tube scaffolding. Poz stavby 11 no.3:158-159 '63.

1. Urad pro normalizaci a mereni Praha.

POKORNY, Cestmir

Plastic repair of the middle and lower part of the ureter.  
Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:241-247 ' 65.

1. Urologická klinika (prednosta doc. MUDr. J. Svab, CSc.).  
Lekarske fakulty Karlovy university v Hradci Kralove.



POKORNY, E.

5000

✓ The Structure of Surface Layers Hardened by Spark Treatment. M. Čerňák and E. Pokorný. *(Hutnické Listy, 1965, 10, (4), 214-221)*. [In Czech]. Results obtained in a study of the effect of electrode composition on hardening showed that electrodes consisting of sintered carbides (TiC 25%, WC 75%) were best, alloying of the surface with the electrode material taking place. Fatigue resistance was reduced by the hardening treatment. — P. F.

of JJP  
KST

FOKORNY, E.

Determination of the rail level for general and medium repair of the track and for its maintenance. p. 111.

.PRZEGLAD KOLEJOWY DROGOWY. (Wydawnictwa Komunikacyjne) Warszawa, Poland.  
Vol. 10, no. 5, May 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 8, Aug. 1959.

Uncl.



POKORNY E. J.

Trygonometria (Trigonometry) by E. J. Pokorny. Reported in New Books (Nowe  
Kniaski.) March 1, 1956.

POKORNY F. Orthopedicka Klinika Prof. Vavrdu, Janske Lazne. Moderni smery v  
lezeni poliomyelitidy Modern trends in the treatment of poliomyelitis Casopis  
Lekaru Ceskych, Prague 1949, 88/46 (1329-1334)

Sister Kenny's method is an advance in the treatment of poliomyelitis. Patients  
treated by this method develop fewer and less severe contractures.

Prochazka - Prague (XX, 8)

SO: Neurology & Psychiatry Section VIII Vol 3 No 7 - 12

POKORNY, F.

ROUBAL, J.; ZDRAZIL, J.; POKORNY, F.

Atmosphere in industrial installations; method of sampling of the atmosphere and of exhaled air. Pracovni lek. 2 no.2:82-86 15 May (GLML 20:4)

1. Of the Scientific Institute for Industrial Health, National Enterprise in Gottwald.

ska Veda v Zahranici, pp 112 - 117

Abstract: Use of bariuntitanate, lithiumsulfate, and quartz crystals in medical ultrasonic devices is described. A scanning and B-scanning are discussed. Intracranial parts where ultrasonic diagnostic methods can be used are described and the reliability of the results obtained by this method is evaluated. Best method for the diagnosis of tumors is discussed. Use of ultrasonic devices for the location of very small objects is described. 2 Figures, 54 Western, 9 Czech, 1 Polish, 1 Japanese, 1 East German reference. 1/1

Surgery

CZECHOSLOVAKIA

POKORNY, F.; [Affiliation not given]

"Indication and Contraindication for Surgery in Some Neurosurgical Diseases."

Prague, Casopis Lekarů Ceskych, Vol 105, No 51, 16 Dec 66, pp 1405 - 1407

Abstract: The article reviews papers submitted at a Meeting of the Society of Czech Doctors on 7 Nov 66. The following papers were submitted: BENES, V.; Indication for surgery in internal brain hemorrhage; SOUREK, K., and VLADYKA, V.; The importance of electrocorticography in the indication for surgery in temporal epilepsy.

5-04031-2, 1

1. Toxicological experiments with cyclohexanone oxime, caprolactam, and  $\epsilon$ -aminocaproic acid. Mutual biological comparison. E. Pokorný (Svit n.p., Gottwaldov, Czech.) *Sbornik Ltho* 54, 55-56 (1952). — Effects on living organism, mutual relations, and differences based on chest structure were investigated in isolated frog, dog, and rabbit hearts. Parenterally administered cyclohexanone oxime (I) affects the striated musculature and its innervation, suppresses the action of heart, and lowers the blood pressure. In lethal doses (0.097 g./kg.) death results from a total collapse of the organism accompanied by breakdown of blood pressure and from asphyxia.  $\epsilon$ -Caprolactam (II) applied parenterally has a similar affinity to the skeletal striated muscles but causes in all doses (0.161-0.656 g./kg.) convulsive spasms together with a strong peripheral vasodilatory effect followed by a hypersecretion of serous glands. The animal dies through exhaustion by violent clonic spasms and sheds tears. Powerful salivation, excretion in the bronchi, and acute edema of the lungs were observed (lethal doses 0.6-0.656 g./kg.). The action of both I and II, manifested by the reversible inhibition of enzymic reactions in the striated muscle, is dependent on the 6-membered cycle (CH<sub>6</sub>), whereas their different specificity is given by the end groups -C:NOH and CONH, resp. The  $\epsilon$ -aminocaproic acid (III) has no uniformly expressed affinity towards the functional actions of the organism and behaves simply as a heterogenous amino acid. Only a well-defined reversible stimulatory effect on the heart and respiration was noted. III is tolerated by the organism in a broad dosage (0.298-0.596 g./kg.) and its effects are of a short duration. L. J. U.

POKORNY, F.

CZECH

3957. Occupational disease in the manufacture of polyvinyl chloride products. J. ROUBAL and F. POKORNY. *Pracovní Lékařství*, 1953, 6, 144-7. *Chem. Abs.*, 1955, 49, 3875. Acne on the face and forearms of workers handling polyvinyl chloride sheets or products is caused by chlorinated naphthalene. Addition of paraffin to prevent adhesion of the sheets facilitates the rise of chlorinated naphthalene to the surface. Use of paraffin should be avoided. Differences in biological action of technical tritoly phosphate, manifested by severe temporary diarrhoea, were investigated in rabbits. Tritoly phosphate is more toxic, the greater its fluorescence. 75023521121

aw

KERKA, Jan, Dr; POKORNY, Frantisek, Dr; PICHA, Frantisek ;

~~\_\_\_\_\_~~  
Possibility of health impairment in workers conserving hides with sodium fluorosilicate. Pracevni lek. 7 no.2:102-104 Apr 55.

1. Z KHMS - odd. hygieny prace- a KUNZ - odd. pro cheroby z polani - Gottwaldev.

(SODIUM,

fluorosilicate, use in preserv. of hides, inj. eff. on workers)

(FLUORINE,

sodium fluorosilicate, use in preserv. of hides, inj. eff. on workers)

(SILICON,

sodium fluorosilicate, use in preserv. of hides, inj. eff. on workers)

(OCCUPATIONAL DISEASES,

caused by sodium fluorosilicate used in preserv. of hides)

POKORAY, F.

✓ Impregnation of wood with calcium thioarsenate. P. Pokoray, J. Roubal, V. Šalivec, V. Vátek, and F. Záchnick (Ostř. Ev., práce, Prague). *Čižovník. hyz., epidemiol., mikrobiol., imanol.* 4, 236-41(1955). - A 3% aq. solu. of Ca thioarsenate (I) as well as aq. exct. of wood impregnated with I produced severe inflammation of the skin of dogs and rabbits leading to surface necrosis. Approx. 10-35 hrs. after the application of 0.2 ml. of a 3% solu. of I to the skin, the dogs excreted 1.2-4.15 mg. As per l. of urine. Hygienic aspects of the technological process of wood impregnation are discussed and preventive measures are suggested. L. J. Urbánek...

Pokorny, F.

CZECH

Health impairment in preserving hides with sodium fluosilicate. Jan Kefka, František Pokorný, and František Pícha (KHES, Gottwaldov, Czech.). *Pracovní Lékařství* 7, 102-4(1955).—Cases of acute inflammation of the nasal mucous membrane and acute conjunctivitis are described in workers handling hides in salt contg. 0.1% of  $\text{Na}_2\text{SiO}_3$ . The atm. contained between 0.001 and 0.0081 mg.  $\text{Na}_2\text{SiO}_3$  in 1 l. Hygienic measurements and technological improvements of the manual process are suggested.

L. J. Urbánek



POKORNY FRANTISEK

✓ Biochemical explanation of intolerance to alcohol in tri-  
 chloroethylene intoxication. Zdeněk Burdakov, Marie  
 MD Krivcová, and František Pokorný. (Katedra hyg. práce,  
 Prague), *Pracovní Lékařství* 7, 203-7(1955).—The ab-  
 normal response to EtOH in workers handling trichloro-  
 ethylene (I), manifested by peripheral dilatation, fall of  
 blood pressure, tachycardia, tachypnoea, and dyspnoea, is  
 caused by inhibition of the oxidation mechanisms of the  
 organism by the metabolism of I. Its course closely re-  
 sembles that of acetylcholine reaction. Persons exposed to  
 vapors of I showed increased acetaldehydemia in the blood  
 following administration of EtOH, thus revealing an ana-  
 logical reaction with the intolerance phenomenon after  
 tetraethylthiuram disulfide (II). A similar picture was pro-  
 duced by EtOH in combination with chloral hydrate (III).  
 It is presumed that the oxidation both of III and I, and the  
 metabolism of I leading to the formation of III as an inter-  
 mediary product, inhibits the liver aldehyde dehydrogenase.  
 II increases the toxic manifestations in dogs inhaling I, while  
 in rabbits the difference is hardly perceivable. The EtOH  
 test is recommended as a means of controlling the phys. fit-  
 ness of workers handling I. L. J. Urbánek

(2)

CZECHOSLOVAKIA

STRAFELDA, F; DOLEZAL, J; POKORNY, P

Department for Instrument Analysis, Technical Institute  
of Chemistry (Abteilung für Instrumentenanalyse, Tech-  
nische Hochschule für Chemie), Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 7, July 1966, pp 2851-2859

"Electrochemical analyser of hydrogen cyanide in the  
atmosphere."

POKORNY, F.

The ministry as a publisher of technical metallurgic literature; p.318.  
ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava elektraren)  
Praha. Vol. 5, no. 5, May 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress,  
Vol. 4, No. 12, December 1955

BARDODEJ, Zdenek, Dr.; KRIVUCOVA, Marie, Dr.; ~~POKORNY, Frantisek, Dr;~~  
Technicka spoluprace Ivo Cerny.

Attempted biochemical interpretation of intolerance to alcohol  
in trichloroethylene intoxication. Pracovni lek. 7 no.5:263-  
267 Sept 55.

1. Katedra hygieny prace lekarske fakulty hygienicke v Praze a  
oddeleni hygieny prace krajske hygienickoepidemiologicke stanice  
v Gottwaldove.

(TRICHLOROETHYLENE, effects,

intolerance to alcohol in humans & animals)

(ALCOHOL, ETHYL,

intolerance in humans & animals exposed to trichloroethylene)

FOKORNY, F.

Echo of our technical periodical literature in world reference periodicals. p. 423. HUTNICKE LISTY. Brno. Vol. 10, no. 7, July 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956,

POKORNY, Fr., MUDr

Physical therapy and its results in Czechoslovak tick encephalitis.  
Cas.lek.cesk. 94 no.15:394-397 8 Apr 55.

1. Cs. stat. lazne Janske Lazne.  
(ENCEPHALITIS, EPIDEMIC, therapy,  
phys. ther., results)  
(PHYSICAL THERAPY, in various diseases,  
encephalitis, epidemic)

POKORNY, F.

POKORNY, F. Technological literature, the key to new technology; remarks on  
Czechoslovak Book Month. p. 94

Vol. 4, no. 3, Mar. 1956

RUDY

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, 1957

POKORNY, F.

Leo Drozdek's Technicka literatura v podniku (Technical Literature in a Factory);  
a book review. p. 254.

HUTNIK. Vol. 6, no. 8, Aug. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957



*Review*

26  
17  
✓ Determining the Pathology of Acute Poisoning  
of Herb-Straw WPM

CZECHOSLOVAKIA / Chemical Technology. - Safety First Technique. H-6  
Sanitation Technique, Chemical Products and  
Their Application. Part 1.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341620013-0"  
Absour. Referat. Zhurnal Khimiya, No 4, 1958, 11790.

Author : Josef Zdrzil, Frantisek Picha, Frantisek Pokorny.

Inst : Not given

Title : Skin Injuries of Men Working with Toluene.

Orig Pub : Pracovni lekar., 1957, 9, No 3, 224 - 225.

Abstract : It was noticed in the spring of 1956 that workers having contact with rubber solution in toluene (I) suffered from skin irritation on their faces and inflation and reddening of eyelids. It was proved with experiments on animals that the cause thereof was carbazole and, partly, anthracene contained in I as impurities.

L 22069-66 EWP(t) / IJP(c) JD

ACC NR: AP6010710

SOURCE CODE: CZ/0034/65/000/004/0302/0302

AUTHOR: Trencev, K. (Engineer); Pokorny, F. (Engineer); Kycera, R.; Novotny, L.

ORG: none

TITLE: Method of treating poor iron-manganese ores

SOURCE: Hutnicke listy, no. 4, 1965, 302 v/

21  
B

TOPIC TAGS: iron, manganese, phosphorous, solvent extraction, sulfuric acid, sulfate, sintering, coke, ferromanganese, ammonia, precipitation

ABSTRACT: The article is an abstract of Czechoslovak Patent Application No: Class 18a, 1/04, PV 2798-63, dated 17 May 1963. Treatment of ores rich in P is discussed; P is converted into an insoluble chemical compound, and Fe and Mn into a soluble one. This can be achieved by a sulfating roast, or by leaching with sulfuric acid. The resulting mixture of sulfates is heated to 300° - 1000° for 0.5 to 4 hours, so that insoluble pyrophosphate is formed. Fe and Mn are then leached out with water. The best mixture for a sulfating roast or acid leaching contains 17.83% Mn, 8.48% Fe, 1.45% P; ratio of Fe to Mn should be about 1:2, P to Mn 1 : 19. After the heat treatment the product contains 22.24% Mn, 1.67% Fe, and 0.012% P, that is a Fe to Mn ratio of 1:13, and P to Mn 1:1853. The sulfates of Mn and Fe prepared in this manner may be used directly for the production of ferroman-

Card 1/2

2

L. 22069-66

ACC NR: AP6010710

gases, because they are practically free of P; sintering with coke, or precipitation from sulfate solutions by ammonia are suitable methods of treatment. [JPRS]

SUB CODE: 11, 07 / SUBM DATE: none

Card 2/2dd

FRANTISEK, POKORNY  
CZECHOSLOVAKIA/ Radio Physics - Application of Radiophysical  
Methods

I-9

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 9024

Author : Pokorny Frantisek

Inst : Vyzkumny ustav pro adelovaci techniku A.S. Popova, Prague

Title : Automatic UHF Airplane Direction Finder

Orig Pub : Slaboproudny obzor, 1957, 18, No 4, 175-179

Abstract : Description of automatic direction finder for the 118 to 132 Mc range. The equipment employs a system of two Adcock antennas with indication on a cathode ray screen. The direction finder has remote control and a removable indicator. The operating distance of the direction finder is approximately 150 km. The direction accuracy is 3°.

Card : 1/1

Anesthesiology

CZECHOSLOVAKIA

POKORNY, Frantisek; [Affiliation not given].

"Common Problems of an Anesthesiologist and the Surgeon in Ambulatory Care of Old Patients."

Prague, Casopis Lekarů Ceských, Vol. 106, No 7, 17 Feb 67, pp 199-200

Abstract: The article is a report describing the meeting of the Society of Czech Physicians on 5 Dec 1966. The following papers were submitted: V BROZ: Common problems of the anesthesiologist and the surgeon; P. KAZIL; Collaboration between the surgeon and the anesthesiologist in a crisis surgery; V. SISTEK: Common problems of the surgeon and of the anesthesiologist in treating old patients. No references.

POKORNY, FR.

CZECHOSLOVAKIA/Human and Animal Physiology. Neuromuscular  
Physiology.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27300.

Author : Radan Beránek, Vladimír Gráf and Fr. Pokorny.

Inst : 1. Fysiologický ústav CSAV a Československé státní lázně a zřídla

Title : The Formation of Natural Conditioned Reflexes When An (Janske Lazne)  
Unconditioned Stimulus Precedes the Conditioned  
Stimulus.

Orig Pub: Casop. lekaru ceskych, 1957, 96, No 13, 385-391.

Abstract: A study was made of the effect of exercising healthy  
muscle groups on the endurance of muscles damaged  
by poliomyelitis. The phenomenon of active rest  
was quite marked, even with regard to the patients'  
paretic muscles. Including exercises of the paretic  
muscles immediately after exercising healthy muscles

Card : 1/2

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application--Safety and Sanitation

H-6

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8739

Author : Roubal, J., Pokorny, F.

Inst : Not given

Title : Biological Activity of Technical Heptachlor-cyclohexane

Orig Pub: Ceskosl. hyg., 1958, 3, No 1, 16-21

Abstract: In an experiment on rabbits it was established that a single application of the  $\gamma$ -isomer of hexachlorcyclohexane (I) (in pure form, in solution, or in suspension in water or ethanol) caused no skin irritation; technical hexachlorcyclohexane

Card 1/3

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application--Safety and Sanitation

H-6

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8739

with a 4.6 percent admixture of heptachlorcyclohexane (II) isomer caused a moderate skin inflammation with slight swelling which disappeared in five to ten days. The action of technical heptachlorcyclohexane (III) caused necrosis of the skin surface and hemorrhages, which disappeared by the 21st day, with formation of a scar. When introduced into the stomach of guinea pigs, the lower parameter of lethality (in grams per kilogram) was 0.1 to 0.2 for I, > 0.4 for II, and approximately 0.4 for III. On pathological-anatomical examination, the following were found: hemorrhagic gastritis, catarrhal enteritis, infiltration

Card 2/3

120

POKORNY, F.  
BENES, V.; POKORNY, F.

When to carry out a stabilizing operation on the lower extremities in postpoliomyelitic states. Acta chir. orthop. traum. cech. 25 no.2: 79-85 Apr 58.

1. Lecebny ustav v Janskych Laznich, reditel MUDr. Frantisek Pokorny  
Otopedicke oddeleni KUM v Pradubicich, primar MUDr. Vaclav Benes.  
(LEG, surg.

stabilizing operation in postpolio. cond. (Cz))  
(POLIOMYELITIS, compl.

surg., stabilizing operation on leg (Cz))



S/123/62/000/014/016/020  
A004/A101

AUTHORS: Hák, Jiří, Šála, Ivan, Esterka, Bohumír, Pokorný, František

TITLE: Activation and cleaning of the surface of alloyed steel prior to nitriding

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 14, 1962, 37, abstract 14B225P (Czechoslovakian patent, class 48d, 5, 18c, 3/25, No. 97555, 15.12.60)

TEXT: A method of cleaning and activating the surface of parts prior to nitriding is patented, which improves the nitriding process and the quality of the layer obtained on chrome-nickel austenitic (or any other alloyed) steel. The method consists of applying to the steel surface to be nitrified a thin hydride layer of any metal (titanium, zirconium, tungsten, chromium, etc.) or a mixture of metal hydrides and ammonium chlorate or carbonate in the form of a suspension in methanol. In heating the surface during the nitriding process, it is cleaned from oxides, activated and the process of atomic nitrogen saturation is facilitated and accelerated. Nitriding is taking place as usual by heating the part in an atmosphere containing atomic nitrogen. After 10 hours nitriding (including the prepara-



Card 1/2

Activation and cleaning of...

S/ 123/62/000/014/016/020  
A004/A101

tion according to the patented method) the surface hardness attains magnitudes of HV 850 - 950.

B. Yakovlev

[Abstracter's note: Complete translation]

Card 2/2

S/137/62/000/006/151/163  
A057/A101

AUTHORS: Koutský, J., Pilous, V., Pokorný, R.

TITLE: Experience in the development of 12% chromium steels for steam and gas turbines in the Plants imeni Lenin in Plzen

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 5, abstract 6E31 ("Zvárač. sb.", 1961, v. 10, no. 4, 353 - 371, Czechoslovakian; Russian, German and English summaries)

TEXT: In the Plants V. I. Lenin in Plzen were developed 12% chromium steels, modified with W and V of the type T58 (2 - 2.5% W) and T59 (0.5 - 0.8% V). They are intended for the use at temperatures up to 600°C. Wrought heatproof steel T58 is used for the production of parts of gas turbines. Heatproof steel T59 is a transition between the classical 12% chromium steel and the modified heatproof 12% chromium steels and used for the manufacture of casts working at temperatures up to 600°C. The modified 12% chromium steels of the type T58 and T59 can be welded with electrodes which yield a welding metal with the same mechanical properties as the base metal. In the Plants imeni V. I. Lenin in col-

Card 1/2

Experience in the...

S/137/62/000/006/151/163  
A057/A101

laboration with the electrode shop of the Vitkovice Metallurgic Plant imeni Gotvald were developed the electrodes E58 and E58M which produce metal of the seams without cracks and with  $\sigma_s$  at 600°C equal to  $\sigma_s$  of the base metal T58. The electrodes are suitable for welding of steels T58 and T59.

V. Tarisova



[Abstracter's note: Complete translation]

Card 2/2

39830

S/081/62/000/011/029/057  
E071/E192

15.8000

2209  
2220

AUTHOR:

Pokorný, František

TITLE:

Toxicity of some new organo-stannic stabilisers used in the production of plastics

PERIODICAL: Referativnyy zhurnal, Khimiya, no.11, 1962, 373, abstract 11 I 360. (Pracovní lékař, v.13, no.8, 9, 1961, 439-444). (Czechoslovak, abstracts in Russian and English).

TEXT:

It was established that a single coating of concentrated organo-stannic stabilisers (OOC) on the skin, causes an inflammation process after a latent period. This passes into necrosis of the epidermis. Elution in an aqueous medium of some types of finished polyvinylchloride film (PVC), stabilised with (OOC), gives substances irritating the mucous membranes. In the presence of mercaptans in (OOC), eluates of the finished film attack more aggressively living tissues, despite the possibility of decreasing their toxicity by oral introduction. The stabilisers are more readily extractable from PVC films in alkali and acid media as well as in edible vegetable oil, than

Card 1/2

K

PAVLANSKY, A.; HAVRANT, F.

Arthroscopy in the treatment of paralytic scoliosis. Acta chir. orthop. traumat. Cech. 31 no.3:254-257. Ja '64.

1. Ortopedické oddelení nemocnice v Praze B-Bulovka.

POKORNY F.Z.  
(Article 1915)

Orthoped. klin. v Hradci Kralove, Lecebny ustav Janske Lazne. Reinfekce poliomyelitis  
Re-infection with poliomyelitis Cas. Lek. ces. 1951, 90/29 (884-886)

Description of 3 cases. In 2 of them the first infection could only be reconstructed  
from historical data and the existing chronic deformities. In the third re-infection  
occurred after only 15 months. A separate article will be written about it, as it is  
not confirmed as yet. Bloch - Amsterdam (XX, 7,8)

Source: EXCERPTA MEDICA Vol. 5 No. 5 Section VIII May 1952

POKORNY, H.

Control of mental disorders from the military point of view. Voj.  
zdrav. listy 20 no.2:51-56 Mar-Apr 1951. (CIWL 20:11)



POKORNY, Hugo

Symptomatology of neurosis. Cesk. neur. 21 no.4:250-251 July 58.

1. Ceskoslovenska neurologie.

(NEUROSES, physiol.

neurolog. symptomatol. in neuroses (Cz))

(REFLEXES

in neuroses (Cz))

POKORNY, G.

Leakage control of pressure and vacuum equipment. A.  
G. Pokorný (Výzk. ústav stav. hmot, Brno, Czech).  
*Chem. průmysl* 8, 642-3(1958); cf. Bares, *ibid.* 140.—For  
testing leakage of pressure equipment the following gases  
were suggested: CO<sub>2</sub>, HCl, SO<sub>2</sub>, and NH<sub>3</sub>. The leaking  
gas was detected by the following indicators: For CO<sub>2</sub>, HCl,  
and SO<sub>2</sub>, a mixt. of 100 g. 1% alc. phenolphthalein and 20  
g. triethanolamine. For NH<sub>3</sub>, 100 g. 1% alc. phenol-  
phthalein and 20 g. triethylene glycol. A. B. Botkova

3

GW

POKORNY, I.

Synthesis of substances with an azulene frame. Synthesis of  
5-trans-hydrindanone. Zhur. org. khim. 1 no.9:1594-1598  
S '65. (MIRA 18:12)

1. Khimiko-tehnologicheskiy institut, Praga. Submitted  
July 16, 1964.

POKORNY, I., Cand Tech Sci -- "<sup>hoisting cables of single-bucket</sup>~~single-shovel~~ excavators hoisting cables." Mos, 1961.

(Min of Higher and Sec Spec Ed RSFSR. Mos Order of Labor  
Red Banner Eng-<sup>Const</sup>~~Eng~~ Inst im V. V. Kuybyshev) (KL, 8-61,  
247)

POKORNY, J.

Using scientific, technical, and economic information in the  
consumer goods industry. Sklar a keramik 14 no.12: Suppl: insert  
D '64.

SULA, L.; ZAVADILOVA, Z.; MEDULANOVA, L.; POKORNY, J.

~~SECRET~~  
New vaccine against tuberculosis. 2 communication. Characteristics of the stain, Mycobacterium tuberculosis, murine type - Wells OV 116, and preparation of the vaccine. Cas.lek.cesk. 91 no.6:161-171 8 Feb 52.

1. Statni zdravotnický ústav v. Praze. III. odbor pro mikrobiologii a epidemiologii. Oddelení pro výzkum a dianostiku tuberkulózy.  
(MYCOBACTERIUM TUBERCULOSIS,  
murine type, characteristics & prep.)

SULA, L.; ZAVADILOVA, Z.; MEDULANOVA, L.; POKORNY, J.

New vaccine against tuberculosis. II. Characteristics of *Mycobacterium muris* Wells OV 166 and preparation of vaccine. Med. dosw. mikrob. 5 no.1:23-37 1953. (CML 24:5)

1. Of the State Institute of Hygiene, Prague, Czechoslovakia, Third Division of Microbiology and Epidemiology, Department of Tuberculosis Research and Diagnosis.

KOHN, R.; POKORNY, J.

Unsaturated fatty acids with a trans-configuration of the double bond in infant nutrition. Rev. czech. med. 10 no.1: 31-38 '64

1. First Paediatric Clinic, Charles University, Prague (direktor: prof. J.Svejcar, M.D.); Chair of Chemistry and Food Control, Faculty of Chemistry and Technology (head of chair: prof.G.Janicek).

\*



POKORNY, J.; POKORNA, V.

Contribution to appearance of microbes of phosphorus cycle in surface water. Cesk. hyg. 8 no.9:527-533 0 '63.

1. Ustav hygieny, Praha a KHES, Praha.

Pokorny, J.

CZECH

✓ Lipides of *Mycobacterium tuberculosis*. J. Pokorny  
(Vyzk. ústav tuberk., Prague). *Koždedy tuberk.* 48:118-21  
(1955).—The virulent strains of *M. tuberculosis* contain  
30-40% more lipides (particularly phosphatides) than the  
nonvirulent ones. There was no difference in the content  
of the higher fatty acids. I. J. Urbánek

EXCERPTA MEDICA Sec.15 Vol.10/1 Chest Diseases Jan 57

293. POKORNÝ J. and KRIŠTÚFKOVÁ J. Výzkumný Úst. Tuberk., Praha. \*Studie lipidního faktoru virulence Myco tbc. Studies concerning the lipid virulence factor of M. tuberculosis ROZHL. TUBERK. 1956, 16/1 (47-49) Illus. 2

The H37Rv strain was extracted with petrol-ether, the extract vacuum distilled, and then the 'cord factor' was precipitated from the ether solution by the use of ethanol. No significant difference was registered when autopsies of two groups of guinea-pigs, one infected with the extracted mycobacteria and the other with the original H37Rv strain, were performed. Further experiments failed to confirm any

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CONT

aggravation of experimental mice tb as a result of the 'cord factor' action. The authors do not agree with Bloch's conception of 'cord factor' as the source of virulence of mycobacteria.

Urbanek - Brno (IV, 15)

FOFORNY, J.

"Tasks of geochemistry in the field of technogenesis."

CASOPIS PRO MINERALOGII A GEOLOGII, Praha, Czechoslovakia, Vol. 4, No. 2,  
1959.

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,  
Vol. 8, No. 8, August, 1959.

Unclassified.

MALINOVSKA, Vl.; TOVAREK, J.; POKORNY, J.

Coproporphyrinuria in liver diseases. Vnitřní lek. 11 no.10:  
953-959 0 '65.

1. III. vnitřní klinika v Brně (prednosta prof. Dr. Jaroslav  
Pojer).

L 34650-00 EWT(m)

ACC NR: AF6026247

SOURCE CODE: CZ/0060/66/000/001/0014/0018

AUTHOR: Pokorny, Jiri (Lieutenant colonel; Docent; Doctor of medicine; Candidate of sciences); Pospisil, Jan (Docent; Doctor of medicine; Candidate of sciences)

ORG: [Pokorny] Department of Anesthesiology, Central Military Hospital, Prague (Anesteziologické oddelení Ustřední vojenské nemocnice); [Pospisil] Veterinary Research Center, Biophysical Institute /headed by Professor, Doctor of medicine Zd. Dienstbier, Doctor of sciences/, FVL, KU, Prague (Veterinární výzkumné středisko, Biofyzikální ústav FVL KU)

TITLE: Experimental contribution to the application of the four basic methods of general anesthesia in acute irradiation sickness

SOURCE: Vojenske zdravotnicke listy, no. 1, 1966, 14-18

TOPIC TAGS: radiation injury, anesthesiology

ABSTRACT: Thiopental sodium is suitable for general anesthesia even after x-ray exposure; minimum doses ( $\frac{1}{4}$  -  $\frac{1}{2}$  g) should be used, and not repeated. Ether and trichloroethylene inhalation anesthesia lasting 60-75 minutes does not aggravate irradiation sickness; it should be given as lightly as possible. Thiopental sodium-alcohol infusion anesthesia is contraindicated in irradiation sickness. Experiments were conducted on dogs which received a dose of 300 r. Orig. art. has: 5 figures and 4 tables.

[JPRS: 35,348]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 002

Card 1/1

UDC:616.001.26/29-036.11-089.5-031.81

CZ/0060/66/000/002/0050/0055

Czechoslovakia

AUTHOR: Pokorny, J. (Lieutenant colonel; Docent; Doctor of medicine; Candidate of science); Pospisil, J. (Docent; Doctor of veterinary medicine; Candidate of science)

ORG: [Pokorny] Anesthesiology Department, Central Military Hospital, Prague (Anesteziologicke oddeleni Ustredni vojenske nemocnice); [Pospisil] Institute of Biophysics FVL KU /headed by Prof. Zdenek Dienstbier, M. D., Dr. Sc./Prague (Biofyzikalni ustav FVL KU); Veterinary Research Center, Prague (Veterinarni vyzkumne stredisko)

TITLE: Changes in toxicity of certain anesthetic drugs used in experiments on mice with acute radiation illness

SOURCE: Vojenske zdravotnicke listy, no., 2, 1966, 50-55

TOPIC TAGS: drug effect, drug toxicity, anesthetic drug, radiation sickness

ABSTRACT: The need to know the toxicity of certain anesthetics for persons suffering from radiation sickness led to the present study of 14 anesthetic drugs. The following drugs — mostly Czechoslovakian products — were tested: thiopental, syntostigmin, succinylcholinjodid, procuran, tubocurarin, remyolan, syntophyllin, calcium chloratum, largactil, dolsin, procain, mesocain, hexamethonium and thiameton. Laboratory mice were irradiated using the Makrophos 250 apparatus. A total of 410 animals were tested; the drugs were injected intravenously in 5 doses, each drug to 10 irradiated

UDC: 616-001.26/.28-089.5-085.781-092.23

CZECHOSLOVAKIA

POKORNY, J.; ZWAIN, H.; Chair of Chemistry and Analysis of Foods, College of Technical Chemistry (Katedra Chemie a Zkouseni Potravin VSCHT), Prague.

"Determination of Rancidity of Cod-Liver Oil."

Prague, Ceskoslovenska Farmacie, Vol 15, No 5, Jun 66, pp 232-234

Abstract [Authors' English summary modified]: The first stage of rancidity of cod-liver oil caused by the first stage of oxidation can best be determined using benzidine and thiobarbituric acid; at more advanced stages chromatographic determination of the oxidized substances is best. The peroxide and acid number are only complementary indicators. Stability of the oil is increased by storage in a cool place. Oxygen should be prevented from contact with the oil. 2 Figures, 2 Tables, 4 Western, 7 Czech, 1 Russian, 1 Japanese, 1 Hungarian, 1 Polish reference. (Manuscript received 16 Jul 65).



FISER, K.; POKORNY, J.

Influence of the quality of vegetable oils on the irritability of cosmetic products. Cesk. hyg. 10 no.8:502-509 S '65.

1. Laborator pro metabolismus kuze fakulty vseobecneho lekarstvi Karlovy University, Praha a Katedra chemie a zkouseni potravin Vysoke skoly chemicko-technologicke, Praha.

KRACMAROVA, J., PhMr. (Praha 10, Srobarova 48); KRACMAR, J.; POKORNY, J.

Kofler's block and the possibilities of its application in pharmacy.  
Pt.6. Cesk. farm. 14 no.4:175-182 My '65.

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