

SOURCE: .

Production of mold cores from synthetic sand. p. 102. HUTNIK:
(Ministerstvo hutniho prumyslu a rudnych dolu) Praha. Vol. 6,
no. 4, Apr. 1956.

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

SURSK, M.

Effect of macrostructure on the life of hardened cast-iron rolls for cold-pressing sheet metal. p. 113. HUTNIK. (Ministerstvo hutniho prumyslu a rudnych dolu) Praha. Vol. 6, no. 4, Apr. 1956.

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

RUDOLF SOUREK

Continuous colorimetric analyzing apparatus and recorder for oxygen in inert gases. Rudolf Sourek and Alfons Rečka. *Chem. průmysl* 9, 71-6 (1959). The method is based on reaction of O with Na anthraquinone-2-sulfonate, which is colorless in oxidized form and red in reduced form. The app. consists of absorbers, a flowmeter, and a recording millivoltmeter. Visually the increase due to O could be measured by a colorimeter with blue photocells and a green filter. Detn. of O in the range 0.002 to 0.03% by vol. is accurate to 0.0006% by vol. Jos. Lederer

300
111

Si/c

SOUREK, R., RECKA, A.

A continuous colorimetric analyzing apparatus for checking low concentrations of nitrogen oxide in coke-oven gas. p. 258.

PALIVA. (Ministerstvo paliv a Ceskoslovenska vedecka technicka spolecnost pro vyuziti paliv pri Ceskoslovenske akademii ved) Praha, Czechoslovakia, Vol. 39, no. 8, August 1959.

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

uncl.

SOUREK, VL

Distr: 4E2c

2
/

✓ Nonporous chromium plating. Vl. Sourek. *Korros a ochrana materiálu 3, 6-9(1959)*.—Corrosion tests of nonporous chromium plate carried out at high temp. (60-70°) and low c.d. (10-35 amp./sq. dm.), show 10-12 times greater corrosion resistance than do hard chrome platings or nonporous platings deposited at low temp. and high c.d. The concn. of the chromic acid bath is unimportant, and good nonporous platings were obtained at chromic acid concns. ranging from 70 to 450 g./l. Comparative corrosion resistance tests were carried out with platings of a thickness of 50 μ for 14 days in a 3% soln. of NaCl at a temp. of 20°. The hardness of nonporous platings was approx. 50% and wear resistance close to 25% less than those of hard chrome platings.

F. H. Lieber

4
//
OK

351.30
S/081/62/000/004/045/087
B156/B138

11800 (2408)
AUTHOR: Sourek, Vl.

TITLE: The hard anodizing of aluminum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 372, abstract
4K139 (Korose a ochrana mater., 1960, listop., 87 - 90)

TEXT: A method has been developed for producing hard (450 - 550 kg/mm²) oxide films on Al and its alloys. When selecting the electrolyte and the conditions for the process, DC was used, while the effect of σ with AC superimposed on DC was investigated. The best electrolyte composition was 5 - 10% H₂SO₄ containing 10 g of H₂C₂O₄ per liter, temperature 0 - 10°C. The voltage depends on the composition of the electrolyte and the alloy being treated. At σ_a of 4 amps/dm², the initial voltage is 20 - 25 volts, reaching 60 - 80 volts after 40 min. For the AlMg₅ alloy and 99.5% Al the voltage increases slowly (to 40 volts). In an oxalic acid electrolyte the initial and final voltages are much higher (50 - 60 and 100-120 volts).
Card (1/2)

SOURKA, J.

RASKOVA, H; RASKA, K; SORMOVA, Z; SOURKA, J; MATEJOVSKE, V; ZEMENKOVE, B.

Certain properties of Shiga Kruse toxin. Cas. lek. cesk. 89 no.49:
1373-1376 8 Dec 50. (CJML 20:4)

1. Of the Institute of Pharmacology of Charles University, of the
Institute of Organic Technology in Prague, and of the National
Institute of Health.

SOURKOVA, EVA

Purifying crude saponin from fruits of horse chestnut.
Emil Sourek and Eva Souřková. Czech. 85,739, Aug. 15,
1958. Saponin (I) saponin obtained by exg. fruits of *Aesculus
hippocastanum* with MeOH is evapd. until it contains ap-
prox. 50% dry wt., and 100 ml. of the resulting sapon. powder
into 400 ml. Me₂CO. The pptd. I, obtained by decanting the
mixt. (yield 20 g.), corresponds in purity to dialyzed prepn.
of I. I. J. Hrbáček.

2

SOURNY, Kvetoslav; VONDRACEK, Vladimir

Appliance for membrane filters dust sample collection. Pracovni lek.
9 no.3:225-227 June 57.

1. Laboratore HME-UNV v Praze.

(DUST.

sampling with membrane filters (Cs))

SOUS, J.

Substitute materials in investment building. p. 118.

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy)
Praha, Czechoslovakia
Vol. 7, no. 4, 1959.

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

SCUSEDIY, S.

"Forcus basalts in our paper industry."

PAPIR A CELULOZA. Praha, Czechoslovakia. Vol. 10, no. 8, Aug. 1955.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclas

SOUSEK, Jo.

Diagnosis and therapy of extensive liver insufficiency. Cesk.
gastroent. 16 no.2:87-91 Mr '62.

1. Oddeleni pro infekcni zloutenky nemocnice v Praze-Motole, ved.
lekar MUDr. O. Sousek.

(LIVER DISEASES)

SOUSEK, Ladislav, inz.

Laying out the axis of a mine shaft and of mining machine room.
Geod kart obzor 8 no.3:53-59 Mr '62.

1. Prumstav, n.p., Praha.

CZECHOSLOVAKIA/Laboratory Equipment. Apparatus. Their Theory F
Construction and Application.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73868

Author : M. Sousek.

Inst :

Title : New Instrument for Semimicro- and Micro-Determination
of Active Hydrogen in Organic Compounds.

Orig Pub: Collect. Czechosl. chem. communs, 1958, 23, No 3,
554-557.

Abstract: See RZhKhim, 1956, 75480.

Card : 1/1

SOUSEK, O., Dr; NIEDERLE, B., doc. Dr.

Incidence and significance of infectious hepatitis during late convalescence period after surgery. Rozhl.chir. 34 no.6:351-355 June 55.

1. Z infekcniho oddeleni pro i h.a. z chirurgickeho oddeleni nemocnice v Praze-Motole

(HEPATITIS, INFECTIOUS

in postop. convalescence, incidence)

(CONVALESCENCE

postop., incidence of infect. hepatitis)

KUBELKA, V. I.; SOUSEK, O.; SRAJBER, E. ; techn. spoluprace V. Vesely, E. Zakova,
Z. Burianova

Contribution to the study of infectious hepatitis. Ceek. epidem.
mikrob. imun. 8 no.6:388-394 N ' 59.

1. Ustav pro lekaarskou mikrobiologii a epidemiologicke oddeleni
fakulty vseobecneho lekarstvi KU v Praze. Oddeleni pro infekcni
hepatitidu nemocnice v Praze-Motole.
(HEPATITIS INFECTIONIS epidemiol.)

TRLIFAJOVA, J.; RAMPAS, J.; KREDBA, V.; SOUSEK, O.

Our experiences with aldolase test. II. Cas.lek.cesk. 98 no.38:
1195-1201 18 S '59.

1. Ustav epidemiologie a mikrobiologie, Praha, reditel prof.dr.
K. Baska. Infekcni oddeleni nemocnice na Bulovce, Praha, vedouci
doc. MUDr. V. Kredba. Infekcni oddeleni nemocnice v Motole, Praha,
primar MUDr. O. Sousek.
(ALDOLASE blood.)
(HEPATITIS INFECTICUS blood)

FILIP, J.; SOUSEK, O.

On the problem of capillary permeability in liver diseases. Cas.
lek.cesk. 99 no.7/8:201-206 19 F 160.

1. I interni kliniki KU v Praze, prednosta prof.dr. M. Hetousek.
Oddeleni infekcnich hepatitid nemocnice v Motole, prim. MUDr.
O. Sousek.

(LIVER DISEASES physiol.)
(CAPILLARY PERMEABILITY)

SOUSEK, O.; KIRANKOVA, V.

Infectious hepatitis in pregnancy. Cas.lek.cesk. 99 no.18:571-574 29 Ap '60.

1. Oddel. pro infekcni zloutenku, prednosta dr. O. Sousek, Stat. oblast. nemocnice v Praze 4 -- Oddel.gynek.porod. prednosta doc. dr. V. Sebek, Statni oblastni nemocnice v Praze 4.

(PREGNANCY compl.)

(HEPATITIS INFECTIOUS in pregn.)

SOUSEK, O.

Adhesions in the abdominal cavity and laparoscopy. Cas.lek.cesk
100 no.7:218-220 17 F '61.

1. Oddeleni infekcnich zloutenek nemocnice v Motole v Praze 4,
prednosta dr. O. Sousek.

(ENDOSCOPY) (ADHESIONS diag) (ABDOMEN dis)

HOREJSI, J.; CHUDOMEL, V.; JEZKOVA, Z.; KOUT, M.; SOUSEK, O. Technicka
spoluprace: POLACKOVA, Helena

Antibodies against the liver - their importance in the clinical aspects
of hepatopathy. I. Acute hepatitis. Cas.lek.cesk 100 no.38/39:1208-1213
29 S '61.

1. Ustav hematologie a krevni transfuze v Praze, prednosta prof. MUDr.
J. Horejsi, laborator pro metabolismus bilkovin fakulty vseob. lek. v
Praze, prednosta prof. MUDr. J. Horejsi, oddeleni inf. hepat. v Motole,
prednosta MUDr. O. Sousek.

(HEPATITIS immunol)

HOMOLKA, J.; SOUSEK, O.; Technicka spoluprace ANGEROVA, M.

Autoproteolytic cathepsin activity in the course of epidemic hepatitis.
Cas. Lek. Cesk. 101 no.8:234-238 23 F '62.

1. Ustredni laborator fakultni polikliniky v Praze, prednosta doc.
MUDr. J. Homolka. Infekcni oddeleni nemocnice v Praze-Motole, pred-
nosta MUDr. O. Sousek.

(HEPATITIS INFECTIOUS blood)
(CATHEPSIN blood)

SOUSEK, O.

CZECHOSLOVAKIA

SOUSEK, O., MD; NAVRATILOVA, H., MD

1. Ward of Infectious Diseases of the Hospital (Oddeleni infekcnich zloutenek nemocnice), Motol; 2. Chair of School Hygiene of the Medical Faculty of Hygiene of Charles University (Katedra skolni hygieny lekarske fakulty hygienicke KU), Prague (for all)

Prague, Prakticky lekar, No 10, 1963, pp 369-370

"The Diagnosis of Acute Stage of Hepatitis Infection on Country Calls."

CZECHOSLOVAKIA/Virology - Viruses in Man and Animals.

E-4

Abs Jour : Ref Zhur - Biol., No 15, 66950

Author : Horejsi, J., Mircevova, L., Sousek, R., Vanecek, K.

Inst : -

Title : Experiments with the Aldose Reaction in Diagnosing
Hepatitis.

Orig Pub : Vnitřní lékařství, 1957, 3, No 7, 580-587

Abstract : The aldose reaction is not specific for diagnosing infectious hepatitis. The aldose reaction is negative in the absence of liver damage, and gives a positive test on the third to fifth day after the onset of the disease.

Card 1/1

6

GVOZDETSKIY, N.A.; RYABCHIKOV, A.M.; SOUSHKIN, Yu.G.

In the Academic Council of the Geographical Faculty of Moscow University.
Vest. Mosk. un. Ser. 5:Geog. 18 no. 2372-73 ~~no. 2372-73~~ Ap '63. (MIRA 16:3)
(Moscow—Dissertations, Academic) (Geography)

SMAHEL, Otakar; SOUSKOVA, Milada

Hyaluronidase, histamine and antihistamine. Cas.lek.cesk. 98
no.49/50:1575-1576 4 D '59.

1. Interni katedra Ustavu pro doskolovani lekaru v Praze, pred-
nosta doc.dr. O. Smahel.

(HYALURONIDASE)
(HISTAMINE)
(ANTI-HISTAMINICS)

SOUSKOVA, M.; VOTAVA, Z.

Comparative studies on the effect of Imipramine and Propazepine by a conditioned reflex method in rats. *Activ. nerv. sup.* 4 no.2:218-219 '62.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.

(REFLEX CONDITIONED pharmacol)

(IMIPRAMINE pharmacol)

(IMIPRAMINE rel cpds)

CZECHOSLOVAKIA

M. SOUSKOVA and O. BENESOVA, Experimental Therapy Research Institute (Vyzkumny ustav experimentalni terapie) and Department of Pharmacology of Faculty of Medical Hygiene of Charles University (Farmakologicky ustav lekarske fakulty hygienicke Karlove University,) Prague.

"Affecting Rats' Orientation Reaction with Imipramine, Chlorpromazine and phenmetrazine."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 177.

Abstract : Above 3 drugs and physostigmine to 2 groups of mice, (i.e. 2 X 4 groups each of 8 or 9 mice) the 2 selected as most and least excitable from large colony. Very definite statistically significant differences in reactivity, e.g. 2 mg./Kg. imipramine increased the orienting activity of calm, all activity of excitable mice; physostigmine 0.5 mg./Kg. depressed orienting in calm, all activity in excitable. Authors previously reported that physostigmine CNS effect is antagonized by antidepressants, potentiated by ataractics.

1/1

SOUSKOVA, M.; ZATREPALEK, J.; VOTAVA, Z.

Automatic apparatus for studying defense conditioned reflexes
in rats. Cesk. fysiол. 13 no. 1:67-72 Ja'64.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.

*

Alford, D. J. (1971). J. Pharm. Med. 1, 1-10.

Effect of ipromide, propoxyphene, codeine and their combinations on the orientated conduction and conditioned reflexes reduction in rats. Arch. Nerv. Sup. (Frankf) 3, no.3:298-307, 1971.

4. Vycherny doktor eksperimentalni verania, izdat: Vycherny doklav pro farmakologii i biokhemii, Moskva; izdat. vysshaya shkola, a chemical psycholant, 1971.

RAKUSAN, K.; JELINEK, J.; KORECKY, E.; SOUKUPOVA, M.; POUPA, O.

Postnatal development of muscle fibres and capillaries in the rat heart. *Physiol. Bohemoslov.* 14 no.1:32-37 '65

1. Institute of Pathological Physiology, Faculty of Paediatrics;
Institute of Physiology, Czechoslovak Academy of Sciences and
Institute of Biology, Faculty of General Medicine, Charles
University, Prague.

L 2067-66

ACCESSION NR: AP5027297

CZ/0053/65/014/002/0152/0157

AUTHOR: ^{SS} Souskova, M.; ^{SS} Votava, Z.

TITLE: Use of the orientation activity of rats in pharmacology

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 2, 1965, 152-157

TOPIC TAGS: rat, pharmacology, drug effect, nervous system drug

28
24
B

ABSTRACT: Orientation reaction in animals and its importance are discussed. In some circumstances this reaction may override the food reflexes. The influence of psychopharmacological drugs on the orientation reaction of various animals under different conditions of higher nervous activity is discussed. Apparatus used by the authors during their experiments with rats and the methods applied are discussed. Differences in behavior of individual animals are described. Application of the method for investigation of the effectiveness of drugs is discussed. "The authors thank Dr. Lat for providing the diagram of the automatic instrument for recording the orientation activity, and for his valuable remarks during the introduction of this method and during the course of the entire work." Orig. art. has: 10 graphs.

Card 1/2

L 2067-66

ACCESSION NR: AP9027297

ASSOCIATION: Vyzkumny ustav experimentalni terapie, Prague (Research Institute for Experimental Therapy); Vyzkumny ustav pro farmacii a biochemii, Prague (Research Institute for Pharmacy and Biochemistry)

SUBMITTED: 29 Jun 64

ENCL: 00

SUB CODE: LS

NR REF SOV: 004

OTHER: 022

JPRS

Card 2/2

SOUSKOVA, M.; BOHDANECKY, Z.

Differences in the effect of atropine, physostigmine and certain combinations of drugs on the higher nervous activity of rats with different excitability levels. *Physiol. Bohemoslov.* 14 no.2:191-200 '65.

1. Research Institute for Experimental Therapy, Prague, and Research Institute for Pharmacy and Biochemistry, Prague.

SOUSTAL, O., inz.

Boiler rooms in brick factories. Stavivo 41 no. 5:171-172
My '63

1. Severomoravske cihelny, n.p., projekci oddeleni, Olomouc.

SOUSTAL, V.

SOUSTAL, V.

Legislations on public health plans. Zdravot. rev. 25:9, 20 Sept 50,
241-4

CML 20, 3, March 1951

SOUSTAL, V., dr.

Meeting of the Expert Group of Economics. Vodni hosp 15 no.3:
124 '65.

SOUSTEK, Milos; NOVAK, Josef

Experience with using pallets in railway transportation services. Zel dop tech 10 no.4:112-113 '62.

KOTYZA, F.; SOUSTEK, Z.

Problem of chromaffin paraganglioma (chemodectoma) of the temporal bone. Cesk. otolar. 5 no.4:224-231 Aug 56.

1. Z kliniky nemoci usnich, nosnich a krcnich (predn. prof. Dr. F. Kotyza) a z patologicko-anatomickeho ustavu (predn. prof. dr. J. Vanek) lekarske fakulty KU, pob. v Plzni.

(PARAGANGLIOMA,
temporal bone (Cz))
(TEMPORAL BONE, neoplasms,
paraganglioma (Cz))

SOUSTEK, Zdenek, MUDr.

Phlebectasia circoides (Angioma Racemosum Venosum) of the
spinal cord veins. Acta radiol. cancer. bohém. 10 no.1:11-15
Mar 1956.

1. Z pathologickoanatomického ústavu (přednosta doc. dr.
Josef Vaněk) lékařské fakulty university Karlovy, pobočka
v Plzni.

(SPINAL CORD, blood supply
phlebectasia)

EXCERPTA MEDICA Sec 8 Vol 9/11 Neurology Nov 56

4687. SOUSTEK Z. Pathol.-Anat. Úst., Lek. Fak. Univ., Karlovy, Pizeň. *Spas-
tické poškození mozkových cév při status epilepticus. Spastic damage
to the cerebral vessels in status epilepticus CSL. NEUROL.
1956, 19/2 (105-108)

A 53-year-old man who had been suffering from essential epilepsy since youth,
died after 6 days of status epilepticus. In the left cerebral hemisphere there were
typical changes in the cornu Ammonis and predominantly recent ischaemic chang-
es, especially in the cortex. In the walls of the arterioles of these foci there was
fibrinous permeation and sometimes hyaline thrombosis. The damage to the ar-
terioles is explained by long-lasting spasm.

SOUSTEK, Z.

EXCERPTA MEDICA Sec.18 Vol.1/8 Cardiovascular Aug 57

2339. SOUSTEK Z. *Sik'l Pathol.-Anat. Inst., Karls-Univ., Plzen.* Zur Morphologie der Quellungnekrose (sogenannte fibrinoide Nekrose), der fibrinösen Durchtränkung und der fibrinoiden Infiltration der Arteriolen *The morphology of swelling necrosis (so-called fibrinoid necrosis), fibrinoid impregnation and fibrinoid infiltration of the arterioles* Zbl. allg. Path.path. Anat. 1956, 95/11 (509—513) Illus. 4

In this article, stress is laid on the difference between (1) swelling necrosis (so-called fibrinoid necrosis), in which the changed vascular wall is impregnated with plasma fibrin, which precipitates as fibrous fibrin (periarteritis nodosa); (2) fibrinous impregnation of the arterioles in malignant sclerosis etc., under the influence of abnormal hypertension or vasospasms; this impregnation is considered primary, in

2339

CONT.

contrast to group 1, where the impregnation is secondary to a change (necrosis) of the vessel wall; and (3) fibrinoid infiltration, which leads to hyalinosis of the arterioles.
Schornagel - Rotterdam (V, 18)

SOUSTEK, Z.

EXCERPTA MEDICA Sec.18 Vol.1/8 Cardiovascular Aug 57

2318. SOUSTEK Z. Siskl's Pathol.-Anat. Inst., Karls-Univ., Plzen. Hypertensive Arteriolitis im Kleinen Kreislauf *Hypertensive arteriolitis in the lesser circulation* Zbl. allg. Path. path. Anat. 1956, 95/11 (514—521) Illus. 5

The case histories of 5 patients (2 children and 3 adults) with hypertension in the lesser circulation are described. In the arterioles of the lung they presented primary fibrinous imbibition of the vessel wall. The opinion is expressed that the high blood pressure and vascular spasms in the lesser circulation were the only causes of these vascular changes, although 2 cases also presented rheumatism with active changes in the heart.

Schornagel - Rotterdam (V, 15, 18)

50457ER, 2.
EXCERPTA MEDICA Sec 5 Vol. 10/11 Pathology Nov 57

3240. ŠOUSTEK Z. Šiklův Pathol. Nat. Ust. Lék. Fak. KU, Plzeň. * Morfologie bobtnavé (t. zv. fibrinoidní) nekrosy, fibrinového prosáknutí a fibrinoidní infiltrace arteriál. The morphology of fibrinoid necrosis, fibrin imbibition and fibrinoid infiltration of arterioles
ČAS. LÉK. ČES. 1957, 96/2 (39-42) Illus. 4

Impregnation of the arteriolar wall with fibrinogen originating from the blood stream, and its precipitation in the form of fibrillar fibrin, is seen in the case of marked disturbances in the permeability of the arterial wall. It is observed in association with two pathological processes, viz.: (1) Impregnation may result from disturbances in the permeability of the endothelium, i. e. from spasms or prolonged increases in blood pressure; its intensity depends on the duration and the severity of the vascular disturbances. The term acute hypertensive arteriolitis is suggested for this type of damage of vascular walls. Cellular infiltration of the arterial wall is inconsiderable (completely absent in the initial stage). No eosinophil leucocytes are found; the picture is dominated by neutrophil white corpuscles. Progressivity of this pathological process may lead to arteriolar necrosis. (2) Fibrin impregnation is also seen in association with primary necrotizing inflammation of the arterial wall (in periarteritis nodosa). The aetiology of these pathological processes is fundamentally different, and the conditions are morphologically distinguishable.

Klein - Bratislava (V, 18)

EXCERPTA MEDICA Sec 5 Vol. 11/2 Pathology Feb. 58

419. HYPERTENSIVE ARTERIOLITIS IN THE LUNGS - Hypertensní arteriolitis v plicích - Soustek Z. Šiklův Pathol.-Anat. Ústav. Lék. Fak. KU, Probočka, Plzeň - ČAS. LÉK. ČES 1957, 96/5 (149-154) Illus. 5

In 5 cases of secondary hypertension in the vascular system of the lungs, acute and chronic hypertensive arteriolitis is described. Stress is laid upon primary fibrin inhibition of the vascular wall, brought about by severe permeability disturbance, to be sharply differentiated from periarteritis nodosa. The disease is explained as a result of spasms and elevated blood pressure.

(XVIII, 5, 6, 15)

EXCERPTA MEDICA SEC 18 Vol 3/1 Cardio. Dis. Jan 59

179. *Hypertensive arteriolitis in the systemic circulation* Hypertensive Arteriollitis im grossen Kreislauf. SOUSTEK Z. Siedl's Pathol.-Anat. Inst., Karls-Univ., Pizeh Zlb. *allg. Path. path. Anat.* 1957, 97/3-4 (129-138) Illus. 5

On the basis of studies published earlier a strict distinction is made between primary alterative arteritis (primary fibrinoid necrosis of the vascular wall), which is observed in allergy, and primary exudative arteritis (primary fibrinous imbibition of the vascular wall, which initially is morphologically normal), among which hypertensive arteriolitis is classified. A few cases of hypertensive arteriolitis are described, and it is stressed that Mallory's phosphor-wolfram acid-haematoxylin staining is of value to demonstrate the imbibition of the vascular wall with fibrin from the blood. Vascular spasms, and sometimes a blood pressure too high for the vessel concerned, are of great pathogenic importance.

Schornagel - Rotterdam (V, 18)

SOUSTEK, Zdenek

Disseminated cerebromalacia with convulsions caused by arteriospasm.
Cesk. neur. 21 no.3:180-186 May 58.

1. Síluv patologickoanatomický ustav lekárske fakulty Karlovy university
v Plzni, prednosta prof. Dr. J. Vanek.

(BRAIN, dis.

disseminated cerebromalacia caused by arteriospasm in
untreated epileptic (Cz))

(EPILEPSY, case reports

with disseminated cerebromalacia caused by arteriospasm
in untreated epileptic (Cz))

(BRAIN, blood supply

arteriospasm causing disseminated cerebromalacia in un-
treated epileptic (Cz))

EXCERPTA MEDICA Sec 18 Vol 4/1 Cardiovas. Dis. Jan 60

273. **Partially persistent truncus arteriosus communis in an adult man as a cardiac malformation with late cyanosis** Truncus arteriosus communis partialiter persistens bei einem erwachsenen Manne als eine Herzmisbildung mit später Zyanose. KUJICEK J. and SOUSTEK Z. Klin. der Inn. Med., Siskl's Inst. für Pathol. Anat., Karls Univ., Plzen, CSR *Acta med. scand.* 1958, 161/6 (437—441) Graphs 1 Illus. 1

Description of a patient aged 21 in whom a cardiac malformation with slight cyanosis and marked clubbing of the fingers had been detected at the age of 17. The patient died from bacterial endocarditis leading to heart failure. The hypertrophic muscle wall protruding into the right ventricle and limiting the ventricular septum defect from below is believed to have regulated the blood flow from the right ventricle by leading most of the venous blood to the pulmonary artery. Since the aorta originated mainly above the conus of the left ventricle, there were 2 separate blood streams in the common arterial trunk.

Bayer - Berlin (XVIII, 1, 6, 7)

~~SHOUSTEK~~, Z. [Soustek, Z.] (Plzen, Chekhoslovakiya)

Spastic and hypertensive arteriolites. Arkh.pat. 22 no.5:47-51
'60. (MIRA 13:9)

1. Iz Patologoanatomicheskogo instituta im. G.Shikla (dir. - prof.
I Vanek) Kralova universiteta.
(HYPERTENSION) (ARTERIES—DISEASES)

Sousiek, Zdenek
SOUSIEK, Zdenek; PAICHL, Premysl; TOMSI, Frantisek

Morphological changes in malignant carcinoid syndrome. Cas.lek.
cesk. 99 no.10:293-297 4 Mr '60.

1. Sílkuv patologicko-anatomický ustav, prednosta prof.dr. Josef
Vanek a klinika chorob vnitřnich, prednosta prof.dr. Karel Bobek,
lekarské fakulty University Karlovy se sidlen v Plzni.
(MALIGNANT CARCINOID SYNDROME pathol.)

HULA, M.; HUZL, F.; LUKESOVA, L.; SYKORA, J.; SOUSTEK, Z.

A special type of skin allergy after beryllium bronze. Pracovni lek.
13 no.10:497-499 D '61.

1. Klinickopatologicke dermatologicke stredisko SFN v Plzni pri kozni klinice, prednosta prof. MUDr. Vlastimil Eesl, a pri patologicko-anatomickem ustavu, prednosta prof. MUDr. Josef Vanek D. Sc., oddeleni chorob z povolani a prumyslove toxikologie SFN v Plzni, prednosta MUDr. Frantisek Huzl C. Sc., spektrograficka laborator Kovohute, n.p. Rokycany.

(BERYLLIUM toxicol) (ALLERGY etiol)

HULA, M.; SOUSTEK, Z.

Report on the activity of the Dermatological Clinical-Pathological
Center in the State University Hospital in Plzen. Cesk. dermat. 37 no.3:
200-202 Je '62.

1. Kozni klinika Statni fakultni nemocnice v Pizni, prednosta prof. dr.
V. Resi Ustav patologicke anatomie lekarske fakulty Karlovy university
v Pizni, prednosta prof. dr. J. Vanek, DrSc.
(DERMATOLOGY)

ŠOUSTEK, Zdeněk; AUDY, Květoslav.

Czechoslovakia

✓
Šikl Pathological Anatomy Institute of the Medical Faculty of Charles University, Pilsen Branch -- Pilsen (Šiklův patologicko anatomického ústavu lékařské fakulty University Karlovy se sídlem v Plzni); Director: Prof. Dr. J. VANĚK, Dr. Sc; Tuberculosis Department of the State Faculty Hospital in Pilsen -- Pilsen (Tuberkulózní oddělení Státní fakultní nemocnice v Plzni -- Plzeň); Director: R. SEMBERA, MUDr. - (for all)

Prague, Vnitřní lékařství, No 1X-1, 1963, pp 27-34

"Obliterative Bronchiolitis and Multifocal Lung Carnification, an Independent Lung Disease in Adults."

HULA, M.; SOUSTEK, Z.

Reticular hemoblastoma with differentiation into malignant lymphogranuloma and Kaposi's sarcoma. *Cesk. dermat.* 39 no.4: 256-260 J1'64

1. Dermato-venerologicka klinika (prednosta: prof. dr. V. Resl) a Siviluv patologicke-anatomicky ustav (prednosta: prof. dr. J. Vanek, DrSc), lekarske fakulty KU [Karlovy university] v Plzni.

ILYUSHIN, S.V.; IPATOVA, S.I.; KOKOVALOV, F.S.; LORENTSSON, I.G.; MARSHAK, I.S.;
MESHKOV, V.V.; NILENDER, F.A.; PLOKHOTSKIY, Ye.S.; SOKOLOV, I.I.
SOUSTIN, V.F.; TSVETKOV, G.H.; YANI, A.K.

Viktor Nikolaevich Fomin, 1904- ; on his 60th birthday. Svetotekhnika
10 no.11:30 N '64. (MIRA 17:12)

L 26398-66 EWA(h)/EWP(e) WH

ACC NR: AM5024745

Monograph

URV

87
66
B+1

Benedikt, Vaclav (Engineer); Sedmidubsky, Jan; Soutor, Zdenek (Engineer)

Microminiaturizaci (Mikrominiaturizace) Prague, SNTL, 1965. 242 p. illus., biblio.
3200 copies printed. 25

TOPIC TAGS: microelectronics, microelectronic thin film, microelectronic circuit, microelectronic component, microelectronic packaging, microelectronic reliability, semiconducting material, thin film circuit

PURPOSE AND COVERAGE: This book is intended for designers and engineers in the radio communication industry. It may also be useful to students in radio engineering schools. The introductory chapters of the book deal with the principles of microminiaturization and reliability problems. Miniature and special electronic elements are discussed, and some production methods concerning microminiaturization are described. The problems of proper microminiaturization such as the design and technology of RC circuits, modules, micromodules, and special-duty circuits are discussed. Further prospects for microminiaturization development are touched on in the conclusion.

TABLE OF CONTENTS:

Ch. I. Introduction — 9

Ch. II. Principles of microminiaturization — 12

Card 1/5

2

L 26398-66

ACC NR: AM5024745

0

1. Utilization in electronics -- 12
 2. Actual problems -- 13
 3. Miniaturization and microminiaturization -- 16
 4. Examples and comparisons -- 18
- Ch. III. Reliability problems -- 21
5. Experience regarding reliability -- 22
 6. Major trends and economical aspects of reliability -- 24
- Ch. IV. Miniature and special electronic components -- 27
7. Major trends -- 27
 8. Operating range of basic circuit elements -- 27
 9. Semiconductor components -- 29
 10. Electric vacuum devices -- 40
 11. Classic electronic components -- 40
 12. Structural elements -- 51
- Ch. V. Materials -- 60
13. Search for new materials -- 60
 14. Metallic materials -- 61
 15. Semiconductors -- 68
 16. Materials for manufacturing resistors -- 70
 17. Magnetic materials -- 71

Card 2/5

L 26398-66

ACC NR: AM5024745

18. Ceramic materials -- 75
19. Artificial substances -- 78
20. Special materials -- 81
- Ch. VI. Several achievements of microminiaturization technology -- 85
21. Chemical deposition -- 85
22. Electroplating -- 86
23. Circuit printing -- 86
24. Technology of etching using emulsions and pastes -- 89
25. Decomposition by heat -- 89
26. Evaporation in vacuum -- 90
27. Treatment by electron beam -- 99
28. Equipment for heating by electron bombardment -- 100
29. Properties of materials used for vacuum evaporation -- 101
30. Cathode sputtering -- 102
31. Production of films and coatings -- 103
32. Bonding of separate circuit elements -- 107
33. Technology of resistive materials -- 113
34. Capacitor production technology -- 117
35. Semiconductor elements for microminiaturization -- 120
36. Surface coating production technology -- 121
37. Microphotography -- 123
38. Ultrasound procedure -- 126

Card 3/5

L 26398-66

ACC NR: AM5024745

- 0
- Ch. VII. RC circuits -- 127
 - 39. Structural principles -- 128
 - 40. Elements of RC flat circuits -- 130
 - 41. Morphology and topology of the circuit -- 147
 - 42. Transfer from classically connected resistors and capacitors to those used in flat RC circuits -- 148
 - 43. Circuits with distributed parameters -- 154
 - 44. Some familiarization with foreign products -- 160
 - 45. Further prospects for utilizing RC circuits -- 164
 - Ch. VIII. Module designs -- 165
 - 46. Surface of a module carrying board with flat joints -- 165
 - 47. Three-dimensional modules consisting of classic elements -- 167
 - 48. "Tinkertoy"-type module system -- 171
 - 49. Experimental design of various module systems -- 180
 - 50. Micromodules -- 185
 - 51. Micromodule unit -- 201
 - 52. Procedure suggested for designing electronic devices in micromodules -- 208
 - 53. Practical utilization of foreign made micromodules -- 211
 - Ch. IX. Surface and multidimensional functional circuits -- 214
 - 54. Trends in solving microminiature circuits -- 214
 - 55. Two-dimensional circuits -- 214

Card 4/5

L 26398-66

ACC NR: AM5024745

0

- 56. Block and mass circuits — 219
- 57. Circuits utilizing the physics of solids — 220

- Ch. X. Further prospects — 226
- 58. Problems of the future development and influence of electronics — 226
- 59. ~~Some proposals on solving the problem of electronics~~ — 228
- 60. ~~Some practical examples of resolving new trends~~ — 229
- 61. Influence of physics on electronics — 230
- 62. Conclusion — 235

Bibliography — 236

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 153

Card 5/5 cc

SOVA, B.

Distr: 432c(j) 15

Chemical-resistant rubber. B. Sova and J. Karlik. *Strojirenski* 8: 786-91(1958).—Phys. and chem. properties of natural rubber and 7 synthetic rubbers, manufd. in Czechoslovakia, are given. The test methods used are described. Selection of chem.-resistant rubber composit. was carried out on the basis of given tables for various media at 25, 70, and 100°. B. M. Pabuss

3
2
1

SOVA, B.

Estimation of benzene in the atmosphere by means of gas chromatography. Cesk. hyg. 8 no.3:165-170 Ap '63.

1. OHES, Gottwaldov.
(AIR POLLUTION) (CHROMATOGRAPHY)
(COLORIMETRY) (PETROLEUM)

MALON, F., MUDr.; SOVA, B., Inz.

Worksite protection in working with diluted chemical substances
in the building industry. Inz stavby 13 no.1:29-30 Ja '65.

RUMANIA

SOVA, Constantin, Professor, Bacau [affiliation not given]

"Evolution of the Excretory System."

Bucharest, Natura. Seria Biologie, Vol 15, No 2, Mar-Apr
pp 19-30.

Abstract: A physiological-zoological review study on the
various types of excretory organs in vertebrates and inver-
tebrates.

Includes 3 Russian, 1 German, 1 French and 5 Ru-
manian references.

1/1

SOVA, C.; TARABUTA, C.

Contributions to the knowlege of the herpetologic fauna
of the Bacau region. Pt. 1. Comunicari zoolog 2:221-
224 '63.

GOSMOVICI, N.L.; SOVA, C. (Bacau); TARABUTA, C. (Roman)

Fossiliferous formations around the city of Piatra Neamt, Rumania.
Natura Biologie 16 no.5:80-83 S-O '64.

SOVA, Constantin, prof. (Bacau)

School trip directions in the Bacau region. Natura Biologie
16 no.3:70-77 My-Je '64.

SOVA, F.

Standardization and typification of coke plant equipment. Paliva
Zl no.10:385-326 0 '64.

1. Hutni projekt, Prague.

SOVA, G. M.

PA 62186

USSR/Mines and Mining

Mar 1948

Coal

Tools, Cutting

"First Results of the Use of Soviet Coal Cutters,"
V. G. Yatsikh, Candidate Mech Sci; G. M. Sova, Engr,
Stalino, 3 pp

"Ugol'" No 3

First industrial installation of the Soviet coal
cutter was made several months ago in No 56 mine of
the Voroshilovugol' Trust. The cutter, designated
as US-3, was built by the plant imeni Parkhomenko,
Voroshilovgrad. Describes its performance.

62186

S/262/62/000/010/019/024
I007/I207

AUTHOR: Sova, I. P.

TITLE: Method of measuring fuel-injection pressure without dismantling the fuel-injection pump

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42, Silovyye ustanovki, no. 10, 1962, 71, abstract 42.10.406 "Nauchn. tr. Kievsk. avtomob. -dor. in-ta", no. 6, 1960, 115-122

TEXT: The piezometric method of measuring [Abstracter's note: fuel-injection] pressure ensures optimum conditions for checking the basic characteristics that determine quality and operating conditions of the engine. The design is described of a piezoelectric quartz transducer, which may be used both on the test stand and under field conditions for the obtaining of pressure diagrams without dismantling the fuel-injection pump. Dynamic calibration of the transducer is carried out during its installation, by means of a pusher rod and a special spring mounted in the pressure chamber of the fuel pump between the plunger and the atomizer. While operating, the plunger presses on the piezoelectric transducer with a force equal to the compression force of the spring. Given the characteristics of the spring and the inertia of both pump plunger and pusher rod, it is possible to carry out proper calibration. There are 2 figures and 6 references.

[Abstracter's note: Complete translation.]

Card 1/1

SOVA, I.P., inzh.

Running-in "Zaporozhets" automobile engines with the use of oils
with sulfured additives. Mashinostroenie no. 5:87-88 S-7 '64
(MIRA 18:2)

SOVA, I.P.

Investigating the running-in of engines of the tiny automobile
"Zaporozhets" lubricated with oils with molybdenum disulfide
additive. Avt.prom. 31 no.7:4-6 JI '65.

(MIRA 18:8)

1. Kiyevskiy avtomobil'no-gorozhnyy institut.

1/1

CZECHOSLOVAKIA

SOVA, J.; KARLICEK, V.; TOPINKA, I.; LANG, N.; Clinic of Internal Diseases, Medical Faculty, Charles University (Klinika Chorob Vnitřních Lek. Fak. KU), Plzen, Chief (Prednosta) Prof Dr J. SOVA

"Influence of Histamine on Vanilmandelic Acid Excretion in Diastolic Hypertension."

Prague, Casopis Lekarů Ceských, Vol 106, No 9, 3 Mar 67, pp 250 - 252

Abstract [Authors' English summary modified]: Vanilmandelic acid excretion after intravenous stimulation with histamine was investigated in 7 normotonic and 10 hypertonic subjects. In normotonic subjects the excretion rose significantly, in hypertonic there was no change; even when nicotine and psychic stress were applied, no change was observed. The explanation is probably due to a disorder in catecholamine degradation and a deficiency in monoamine oxidase activity. 2 Figures, 1 Table, 13 Western, 2 Czech references.

1/1

SOVA. J

CZECH

1073. Aromatic diazo compounds. XVI. Determination of 7-amino-1-naphthol-3-sulphonic acid (J-acid). M. Matrka, J. Sova and Z. J. Allan (*Chem. Listy*, 1954, 48 [3], 417-420). The existing methods for the determination of J-acid are re-examined and a new method is proposed, based on the coupling of J-acid (0.005 mole in 5 ml of 2.5 N Na₂CO₃) with 0.1 N p-nitrophenyldiazonium chloride in a saturated soln. of sodium xylenesulphate (1.50 ml) and 2.5 N HCl (10 ml) at 5° C. To detect the presence of γ-acid (7-amino-1-naphthol-3-sulphonic acid) in technical J-acid, carry out the coupling in weakly acidic (acetic acid) aq. soln., destroy the excess of the diazonium salt by the addition of resorcinol, dilute the mixture, treat it, after warming, with an aq. NH₃ soln. and chromatograph on paper with 20 per cent. aq. NH₃; the appearance of a single characteristic violet spot is due to γ-acid.
G. GLABEK

PK

Sova, J.

✓ Stability and local anesthetic effect in some derivatives of xylocaine. A. Bekera, J. Sova, and C. Vrbil (Masaryk Univ., Brno, Czech.). *Experientia* 11, 271-0 (1955) (in English).—Several analogs of ω -diethylamino-2,6-dimethylacetanilide (I) (xylocaine) were studied with respect to the strength of the amide bond to test the hypothesis that the anesthetic effect of the I-type compds. is a function of the strength of these bonds. The following rate consts. ($\text{sec}^{-1} \times 10^{-7}$) were found for hydrolysis in 5N HCl at 99.5° with 0.01M initial substrate concn.: carbamic acid, 2-diethylaminoethanol ester (II) 8.23; 2-methylcarbamlic acid, 2-diethylaminoethanol ester, 3.18 (III); 2,6-dimethylcarbamlic acid, 2-diethylaminoethanol ester, 0.33 (IV); 4-diethylaminoacetanilide, 81.4 (V); ω -diethylamino-2-methylacetanilide, 20.4 (VI) and I, 0.727. The order of effectiveness in surface anesthesia (rabbit cornea) in comparison to 0.01M cocaine was II, I, III, IV, V-VI; for infiltration anesthesia (guinea pig) V, VI, III, II, I, IV compared with 0.02M procaine. D. S. F.

VRBA, C.; KOPAC, F.; BOBOVANSKY, A.; SOVA, J.

Certain pharmacological properties of local anesthetics from the diethylaminoacetanilide group. *Cesk. fysiол.* 9 no.11:98-99 Ja 60.

1. Ustav farmakologie vet. fak. VSZL. Ustav farmaceuticke chemie farmaceut. fak. MU, Brno.

(ANESTHETICS LOCAL pharmacol.)

ADLEROVA, E.; ERNEST, I.; HNEVSOVA, V.; JILEK, J.O.; NOVAK, L.; POMYKECEK, J.;
RAJSNER, M.; SOVA, J.; VEJDELEK, Z.J.; PROTIVA, M.

Experiments on synthesis in the group of hypotensive alkaloids.
VIII. Syntheses of some tryptamine derivatives, substituted in
positions 5,6, and 7. Coll Cz chem 25 no.3:784-796 Mr '60.
(EEAI 9:12)

1. Forschungsinstitut für Pharmazie und Biochemie, Prag.
(Alkaloids) (Aminoethylindole) (Hypotension)

SOVA, J.; KOLAR, M.

Renovascular syndrome in hypertension and its diagnosis with isotopes. *Cesk. radiol.* 18 no.5:295-303 S '64.

1. II interni klinika (prednosta prof. dr. F. Herles), Biofyzi-
kalni ustav (prednosta doc. dr. Z. Dienstbier, DrSc.), fakulty
vseobecneho lekarstvi Karlovy University v Praze.

CZECHOSLOVAKIA

SOVA, J; CERNY, M.

1. Second Internal Medicine Clinic of Charles University (II. vnitřní klinika KU), Prague; 2. Biological Institute of Charles University (Biologický ústav KU), Prague

Prague, Vnitřní Lekarství, No 9, 1964, pp 833-836

"The Problem of Heredity in Hypertensive Disease."

SOVA, J;KOLDA, M.

Electroencephalographic findings in pregnancy toxemia.

Cesk. gyn. 15 no.8:594-601 1950.

(CML 20:1)

1. Of the Second Internal Clinic (Head—Prof. A. Vancura, M. D.),
Work Group under Prof. F. Herless, M. D.).

SOVA, J.

Electrocardiographic changes in high blood pressure. Cas.lek.cesk.
89 no.22:623-629 2 June 50. (CML 19:4)

1. Of the Second Internal Clinic (Head--Prof. Ant.Vancura, M.D.)
Work Group under Prof. Fr.Herles, M.D.)

SOVA, Jos., MUDr; PECHAR, J., MUDr; SIMANE, J., RNDr; FEIK, C., MUDr;
za tech. spoluprace, d. s. H. Vseteckove-Zaoralkove

Primary hypertension of lesser circulation. Cas.lek.cesk. 91 no.10:
293 7 Mar 52.

1. Z II. int. kliniky Ku; prednosta: prof. MUDr Ant. Vancura.
Pracovni skupina prof. MUDr Fr. Herlessa.
(AYERZA'A SYNDROME)

SOVA, Joseph, MUDr.; SIMANE, Jindrich, RMDr.; VOKOUN, Jos., Ing. C.

Device of domestic construction for measurement of biological pressure. Cas.lek.cesk. 91 no.16:479-481 18 Apr 52.

1. Z II interni kliniky; prednosta: prof. MUDr Ant.Vancura. Pracovni skupina prof. MUDr Fr.Herlesa.

(MANOMETER,

device for measurement of biol. pressure, Czech construction)

SOVA, Josef, MUDr: VOKOUN, Josef, IngC

High frequency rheoplethysmography as a method of determination of systolic volume in one part of the body and of determination of pulse rate. Cas.lek.cesk. 91 no.33:947-952 15 Aug 52.

1. Z II. interni kliniky K. U. v Praze. Prednosta: prof. dr.

A. Vancura. Pracovni skupina prof. dr. Herlesa.

(PLETHYSMOGRAPHY,

rheoplethysmography, determ. of systolic volume & pulse rate)

SOVA, Jes., Mudr; PECHAR, J., Mudr; SIMANE, J., Rndr; PEIX, C., Mudr;
za techn. spoluprace d. s. H. Vseteckve.

Reaction to a single physical stress in hypertension and normal conditions; clinice-experimental investigations on formation of cardiac insufficiency in hypertension. Cas.lek.cesk. 91 no.45-46: 1357-1364 14 Nev 52.

1. Z II. interni kliniky K. U. Praha; prednosta; prof. Mudr A. Vancura.

(HYPERTENSION, physiology,
eff. of phys. effort on cardiac funct.)
(EXERCISE, effects,
on heart in hypertension)
(HEART, in various diseases,
hypertension, eff. of phys. effort)

SOVA, J.;SVOBODA, V.

Formation of transitory pathologic electrocardiographic picture
in hypertension. Gas. lek. cesk. 92 no.43:1177-1179 23 Oct 1953.

(CJML 25:4)

1. Of the Second Internal Clinic (Head--Prof. A. Vancura, M.D.) of
Charles University, Prague. Work group of Prof. F. Herles, M.D.

SOVA J.

SVOBODA, V.; SOVA, J.

The effect of novocaine iontophoresis applied to the cervical vago-sympathetic on the pathological electrocardiogram in hypertension. Fysiat. vest. Praha 32 no.3:87-92 Apr 54.

I. Z II. interni kliniky Karlovy university, prednosta prof. dr. A.Vancura. Pracovni skupina prof. dr. F.Herlese

(HYPERTENSION, therapy

novocaine iontophoresis of cervical sympathetic & vagus, eff. on ECG)

(PROCAINE, effect

on ECG in hypertension, cervical sympathetic & vagus application)

(ELECTROCARDIOGRAPHY, effect of drugs on novocaine iontophoresis, cervical vago-sympathetic admin. in hypertension)

JOHANOVSKA, Kveta, MUDr.; PODZIMEK, Ales, MUDr.; SOVA, Jos., Doc., MUDr.

Therapy of bronchial asthma with infiltration of the cervical
vago-sympathetic nerve according to Visnevsky. Cas. lek. cesk.
44 no.36:979-980 2 Sept 55.

I. II. interni klinika prof. dr. Ant. Vancury a II. chirurg.
klinika akademika J. Divise.

(ASTHMA, therapy
vago-sympathetic nerve infiltration, Visnevsky's
method.)

(NERVES VAGUS,
infiltration in ther. of asthma, Visnevsky's method.)

20 VII, F.

EXCERPTA MEDICA Sec.18 Vol.1/3 Cardiovascular Mar 57

613. SOVÁ J. and DAUM S. 2. Vnitřní Klin. KU, Praha. Klinická použitelnost elektrické plethysmografie. Nekrvavá měření minutového srdečního objemu *Clinical use of electrical plethysmography* Vnitř. lék. 1956, 2/11 (999—1008) Graphs 3 Tables 3 In 20 people with a normal circulatory system, the cardiac output was estimated through the electrical plethysmography (EPG) method (trunk localization, neck-hip area). The values obtained were compared with Hamilton's method. It was found that the EPG method applied to people with normal circulation gives values identical with those obtained through the Hamilton method. A favourable correlation ($r = 0.75$) of statistical importance has been found. The reproduction possibility of this method is between 2% and 9% (average 5.5%). Further confirmation is given that the EPG method is offering relative values of the minute and pulse volume, which are identical with values obtained through other methods. The EPG values (in the neck-hip area) are mainly determined by the pulse volume. The remaining factors such as changes of electrical conductivity of the surrounding tissue and the extent of peripheral resistance, possess probably a subordinate influence.

SOVA, Jos.; TOMASEK, R.; VANISTA, J.

Chronometric determination of systole of the heart by a polygraphic method. I. Cardiac dynamics in normal subjects. Sborn. lek. 59 no.2: 51-56 Feb 57.

1. II. interni klinika fakulty vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. MUDr. Fr. Herles. Adres autora: Doc. Dr. J. S., II interni Klinika Praha 2-499.

(HEART, physiol.

dystole dynamics in normal subjects, chronometric determ. by polygraphic method (Cz))

SOVA, Jos.; TOMASEK, R.; VANISTA, J.

Chronometric determination of systole of the heart by a polygraphic method. II. Cardiac dynamics in hypertension. Sborn. lek. 59 no.2: 56-66 Feb 57.

I. II. interni klinika fakulty vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. MUDr. Fr. Herles. Adres autora: Doc. Dr. J. S., II interni klinika Praha 2-499.

(HEART, physiol.

systole dynamics in hypertension, chronometric determ. by polygraphic method (Cz))

(HYPERTENSION, physiol.

systole dynamics, chronometric determ. by polygraphic method (Cz))

SOVA, Jos.; TOMASEK, R.; VANISTA, J.

Chronometric determination of the systole of the heart by a polygraphic method. III. Mitral valve stenosis & insufficiency; aortic stenosis. Sborn. lek. 59 no.10:316-325 Oct 57.

1. II. interni klinika fakulty vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. MUDr. Dr. Herles. Doc. D. J. S., II. interni klinika, U nemocnice 2, Praha 2.

(HEART, physiol.

systole dynamics in mitral stenosis, mitral valve insuff. & aortic stenosis, chronometric determ. by polygraphic method (Cz))

(MITRAL STENOSIS, physiol.

systole dynamics of heart contraction, chronometric determ. by polygraphic method (Cz))

(AORTIC VALVE, stenosis same)

(MITRAL VALVE, dis.

insuff., systole dynamics of heart contraction, chronometric determ. by polygraphic method (Cz))

SOVA, J.

EXCERPTA MEDICA Sec.18 Vol.2/4 Cardiovascular Dis. Apr 58

1114. *The haemodynamics of hypertensive patients under the influence of hypotensive substances* Hemodynamika hypertensní nemoci pod vlivem hypotensních látek. SOVA J., RIPKA O. and DAUM S. 2. Interni Klin. KU, Praha *Cas. Lek. Ces.* 1957, 96/5 (140—146) Graphs 3 Tables 4

Rauwolfia derivatives (serpasil) given subcutaneously decrease the blood pressure slowly and continually; they influence haemodynamics similarly to prolonged rest. Phthalazines condition a hypotension at the price of an unpleasant hyperkinetic reaction. The hyperkinetic character of the response decreases the indicated range of use of these substances, in so far as they are administered individually. Pentamethonium produces a hypotension either primarily by a decrease in cardiac output, during which peripheral resistance oscillates insignificantly about previous values, or exclusively by a decrease in peripheral resistance, while cardiac output either remains unchanged or actually increases. After administration of these substances circulation is slowed and there is a pooling of blood in the lungs and great vessels. It appears from haemodynamic studies that in practice it is quite in order to use a combination of hypotensive substances rather than individual administrations; a combination equally corrects the unfavourable effects and results in hypotension. A combination of phthalazine and methonium is useful; it is excellent to combine rauwolfia derivatives with phthalazines or with phenothiazones. (XVIII, 6*)

SOVA, J.; FRIX, C.

Arterenol and pulmonary circulation; its relation to pulmonary oedema
in hypertensives. Rev. Czech. M. 4 no.3:180-188 1958.

1. Second Clinic of Internal Diseases, Charles University, Prague.
Director: Prof. P. Herles.

(PULMONARY EDEMA, physiology
pulm. circ. in edema in hypertension, eff. of arterenol admin.)

(ARTERENOL, effects
on pulm. circ. in normotensive & in hypertensive patients)

(HYPERTENSION, physiology
eff. of arterenol admin. on pulm. circ. in hypertensives)

SOVA, J.; JEZEK, V.; MACHACEK, P.

Hypertension & myocardial infarct. Cas. lek. cesk. 97 no.21:662-668
23 May 58.

1. II. interni klinika, prednosta prof. MUDr Frantisek Herles.
Adres. autora: J. S. Praha 2, U nemocnice 2.
(HYPERTENSION, statist.
in myocardial infarct (Cz))
(MYOCARDIAL INFARCT, statist.
with hypertension (Cz))

SOVA, JOSEF

JOHANOVSKA, Kveta; PODZIMEK, Ales; SOVA, Josef

Further results on the use of Wisniewsky infiltration of cervical
vagosympathetics in bronchial asthma. Cas. lek. cesk. 97 no.25:779-782
20 June 58.

1. II. inter. klinika, prednosta prof. Dr. Fr. Herles a II. chirurg.
klinika, prednosta akademik J. Divis.

(ASTHMA, ther.

Wisniewsky infiltration of cervical vagosympathetics, technic
and statist. (Cz))

JAHANOVSKA, Kveta; JEZEK, Vlastimil; SOVA, Josef

Polygraphic picture of complete sino-ventricular block. Sborn.
lek. 61.no.10:289-305 0 '59.

1. II. interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze, prednosta prof.dr. Frantisek Herles.
(HEART BLOCK diag.)

JOHANOVSKA, Kveta; JEZEK, Vlastimil; SOVA, Josef; LHOŤKA, Jaroslav

Polygraphic examination of patients with mitral stenosis before and after surgery. Sborn.lek. 61 no.10:306-316 0 '59.

I. II. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof.dr. F. Herles. II. chirurgicka klinika fakulty vseobecneho lekarstvi University Karlovy v Praze prednosta akad. J. Divis.

(COMMISSUROTOMY)

SOVA, Josef; JEZEK, Vlastimil

Embolism of the coronary arteries. Cas.lek.cesk.98 no.49/50:
1573-1575 4 D '59.

1. II.interni klinika KU v Praze, prednosta prof. MUDr. Fr. Herles.
(CORONARY DISEASE diag.)