

Country : Czechoslovakia
 Category : Central Intelligence Agency and
 Foreign Intelligence Service
 Doc. Jour. : Re^o Pustalova, No. 11, 1958, No. 42535
 Author : Dubravaeva, L., Jedis, I., Garšović, P., *
 Institut. : Not Given
 Title : The Synthesis of Some Alkaloid Derivatives.
 XIV

Orig. Pub. : Chem. Zvesti, 1958, 12, No. 8, 459-463

Abstract : Synthesis of the irascidin (1-oxyethyl-6,7-
 dihydroxy-1,2,3,4-tetrahydroquinoline is
 described. The acylation of nancyratrine
 as the (I) by benzoyloxyacetic acid (II) in
 benzoin (with the elimination of the formed
 water by way of an azeotropic mixture with the
 solvent) gave N-benzoyloxyacetyl derivative of
 I with a 91% yield, m.p. 68-69° (from ether);

* Votický, P.

Country : Czechoslovakia
 Title : On the Chemistry, Natural Occurrence and
 Their Synthetic Analogs.

Pub. Date. :

Pub. No. :

Pub. No. :

Pub. No. :

Orig. No. :

Abstract : ring formation was effected by boiling 1-2
 hours with $FeCl_3$ in toluene, forming 6-benzyl-
 dehydrocorydoline with a yield of 35%; deriva-
 tives had the following melting points: the
 hydrochloride, m.p. 93° (from ether-acetone
 solution); picrate, m.p. 146° (decomposition;
 from alcohol); the chloroplatinate (III), m.p.
 174° (decomposition; from water). Hydrogenation
 of III over Pd/C in an aqueous solution of HCl
 gave a 70% yield of 6-benzylcorydoline, m.p.

Card:

2/5

Summary : The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 Category : The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 Abs. Jour. : The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);

Notes :
 Ref. No. :
 Title :

Chem. Abstr. :

Abstract :

1. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 2. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 3. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 4. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 5. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 6. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 7. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 8. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 9. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);
 10. The compound is a white crystalline solid, m.p. 108-109° (from alcohol-ether);

Country : Czechoslovakia
Classification : Confidential
Ref. No. : 100-100000, No. 10, 1958, No. 100000

Author :
Institution :
Title :

Ref. No. :

Abstract : Item not obtained. For Report XIII,
see 100-100000, 1958, No. 20, 77830.
- 1/1. With 75 ly.

100-100000

5/5

SEFCOVIC, Pavel, dr., inz., C.Sc.; BABOR, Karol, inz., C.Sc.; KALAC, Vladimir,
inz., C.Sc.; DUBRAVKOVA, Libusa, inz., Sc.C.

Preparation of antiarrhythmic substances. Part 2. Chem zvesti 15 no.10:
725-729 0 '61.

1. Ceskoslovenska akademie ved, Oddelenie chemie prirodnych latok
Chemickeho ustavu Slovenskej akademie vied, Bratislava. Authors' address:
Bratislava, Mlynske nivy 37, Chemicky ustav Slovenskej akademie vied.

MOKRY, Jozef, inz., C.Sc.; KOMPIS, Ivan, inz.; SUCHY, Jan, inz.;
SEFCOVIC, Pavel, dr., inz., C.Sc.; VOTICKY, Zdeno, dr., inz.,
C.Sc.

Contribution to the study of vincamine constitution. Chem
zvesti 16 no.1/2:140-150 Ja-F '62.

1. Ceskoslovenska akademie ved, Oddelenie chemie alkaloidov
Chemickeho ustavu Slovenskej akademie vied, Bratislava.
Authors' address: Bratislava, Mlynske nivy 37, Chemicky ustav
Slovenskej akademie vied.

272510

45196
Z/043/63/000/001/003/004
D287/D307

AUTHORS:

Mokřý, J., Kompiš, I., Suchý, J., Šefčovič, P. and
Votický, Z.

TITLE:

Alkaloids from Vinca minor L. V. The structure of
vincamine

PERIODICAL:

Chemické Zvesti, v. 17, no. 1, 1963, 41-53

TEXT: E. Schlitter and A. Furlenmeier separated vincamine, the
main constituent of Vinca minor L. for the first time. The authors
modified the method described by S. Scheindlin and N. Rubin for se-
parating the crude alkaloid from the plant and obtained a new al-
kaloid, vincarein, from the crystalline fraction of the crude al-
kaloid solution (vincarein: $C_{21}H_{24}N_2O_4$). This compound has the same
physical and chemical properties as vincaminine and the authors sug-
gest that the two compounds are identical. The separation of vinca-
mine ($C_{21}H_{26}N_2O_3$) was described in an earlier publication (Chem.
-Zvesti, v. 16, 1962, 140); vincaminol $C_{20}H_{26}N_2O_2$ was obtained by

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Z/043/63/000/001/003/004
D287/D307

Alkaloids from Vinca ...

reduction of vincamine with LiAlH_4 . Dehydrogenation with Se gave vincyrine and isovincyrine ($\text{C}_{19}\text{H}_{22}\text{N}_2$). The structure of vincamine was proved by oxidation of vincaminol: vincamone and formaldehyde were obtained and it was therefore obvious that the compound was a 1,2-diol and that the $-\text{OH}$ and $-\text{COOCH}_3$ groups in vincamine are on the same C-atom (C_{14}). The formula of vincamone, the uv and ir spectra and the m.p. of the compound are identical with those of eburnamonine. Apovincamine (obtained by dehydration of vincamine) can be subjected to catalytic hydrogenation and esterification and yields desoxyvincamine $\text{C}_{21}\text{H}_{26}\text{N}_2\text{O}_2$ which has an equatorial carbmethoxy group; the same position of the carbmethoxy group and configuration are assumed to exist in vincamine. There are 2 figures.

ASSOCIATION: ČSAV, Chemický ústav Slovenskej akadémie vied, Oddelenie chémie alkaloidov, Bratislava (Czechoslovak AS, Institute of Chemistry of the Slovak Academy of

Card 2/3

SEFCOVIC, P

3

CZECHOSLOVAKIA

MOKRY, J; KOMPIS, I; SEFCOVIC, P; BAUER, S.

Department of Alkaloidchemistry, Chemical Institute,
Slovak Academy of Science, Bratislava (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 5, 1963, pp 1309-1314

"Alkaloids of Vinca minor L. VI. Vincanorin, its
Isolation, Constitution and a Hypothesis of its
Biogenesis."

MOKRY, Jozef, inz., C.Sc.; KOMPIS, Ivan, inz., C.Sc.; SUCHY, Jan, inz.,
C.Sc.; SEFCOVIC, Pavel, dr., inz., C.Sc.; VOTICKY, Zdeno, dr.,
inz., C.Sc.

Alkaloids from the Vinca minor L. Part 5: Constitution of vincamine.
Chem zvesti 17 no.1:41-53 Ja '63.

1. Chemicky ustav Slovenskej akademie vied, Oddelenie chemie
alkaloidov, Bratislava, Dubravska cesta.

FEDORONKO, M.; SEFCOVIC, P.

"Oxidation mechanism, applications to organic chemistry" by
R.Stewart. Reviewed by M.Fedoronko, P.Sefcovic. Chem zvesti
18 no.10:794-795 '64.

SEFCOVICOVA, L.

A comparison of two Tahyna virus variants in tissue culture.
Acta virol. 6 no.3:28C My '62.

1. Institute of Epidemiology and Microbiology, Bratislava.
(VIRUSES culture) (TISSUE CULTURE)

SEFCOVICOVA, L.

Some data on the cultivation of Tahyna virus in tissue cultures. Acta virol. (Praha)[Eng]6 no.1:32-36 Ja '62.

1. Institute of Epidemiology and Microbiology, Bratislava.

(VIRUSES culture)

SEFCOVICOVA, Libusa

Incidence of Providencia strains in infants. Cesk. epidem. mikrob. immun. 7 no.3:197-201 May 58.

1. Ustav epidemiologie a mikrobiologie, oblasti ustav pre Slovensko v Bratislave.

(BACTERIA,

Providencia, incidence in inf.(Cs))

BARDOS, V.; CUPKOVA, E.; SEFCOVICOVA, I.

The Tahyna virus. II. Characteristics of some biological properties and preliminary immunological classification. Acta virol. Engl. Ed. Praha 5 no.2:93-100 Mr '61.

1. Institute of Epidemiology and Microbiology, Bratislava.
(VIRUSES immunol)

BARDOS, V.; SEFCOVICOVA, L.

The presence of antibodies neutralizing Tahyna virus in the sera of inhabitants of some European, Asian, African and Australian countries. J. hyg. epidem., Praha 5 no.4:501-504 '61.

1. Institute of Epidemiology and Microbiology, Bratislava.

(VIRUS DISEASES immunol)

BARDOZ, V.; ADAMCOVA, J.; SEFCOVICOVA, L.; CERVENKA, J.

Antibodies neutralizing Tahyna virus in different age groups of inhabitants in an area with mass prevalence of mosquitoes. Cesk. epidem. mikrob. imun. 11 no.4:238-241 JI '62.

1. Ustav epidemiologie a mikrobiologie v Bratislave.
(VIRUSES immunology) (ANTIGEN-ANTIBODY REACTIONS)

SEKNOVICOVA, L.

Cultivation of Telyns virus in rabbit lung tissue cell lines
and its use in the virus neutralization test. Preliminary report.
Czech. epidem. 13 nos. 1:153-158. My '64.

1. Ústav epidemiologie a mikrobiologie, Bratislava.

SEFER, B.

Yugoslavia (430)

Agriculture - Plant and Animal Industry

The transition for some agricultural commodities to free trade. p. 19.
SOCIALISTICKA POLJOPRIVREDA, Vol. 2, no. 5, May 1951.

East European Accessions List, Library of Congress, Vol. 1, no. 14, Dec. 1952
UNCLASSIFIED.

CEMENT, R.

"The villare and the construction of industrial goods before and after the war" P. 1.
(SOCIALISTIČKA POLJOPRIVREDA, Vol. 4, no. 1, Jan. 1953. Beograd, Yugoslavia)

SO: Monthly List of East European Acquisitions Vol. 2, #8, Library of Congress
August, 1953, Uncl.

SEFER, Berislav (Beograd, Gavrila Principa 21/III)

Standard of living in Yugoslavia in 1963. Tehnika Jug
18 no.5:804g-804k My '63.

1. Savetnik u Saveznom zavodu za privredno planiranje,
Beograd.

RUMANIA/Microbiology - General Microbiology, Systematics,
Morphology, Cytology.

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99234

Author : Comblescu, D., Sturdza, N., Sefer, M., Radu, I., Dercea,
A.

Inst : Rumanian Academy

Title : Serological Determination of Certain Types of Leptospirae
of the Same Species Obtained from Various Foreign Labora-
tories

Orig Pub : Commun. Acad. RFR, 1956, 6, No 10, 1251-1256

Abstract : No abstract.

Card 1/1

COMBIESCU, D.; STUFUZA, N.; OPROIU, N.; SEFER, M.

Pathogenicity for guinea pigs of strains of *Leptospira* isolated in Russia. Stud. cercet. inframicrobiol., Bucur. ' no.2:239-248 1957.

1. Comunicare prezentata la Sectia de stiinte medicale a Academiei R.P.R. in sedinta din 4 iulie 1956.

(LEPTOSPIRA

strains isolated in Rumania, pathogenicity for guinea pigs)

COMBIESCU, D.; STURDZA, N.; RADU, I.; SEFER, M.

Several cases of anicteric leptospirosis appearing in children after a swim; laboratory confirmation and epidemiological notes. Bul. stiint., sect. med. 9 no.1:171-178 1957.

(LEPTOSPIROSIS, in inf. & child
epidemic caused by swimming in pool contaminated by
nearby pig sty)

STANESCU, G., Dr, SAPI, I., Dr, and RENT, M. of the "Dr I. Cantacuzino" Institute (Institutul Dr I. Cantacuzino"), COCA, R., Dr, ROSEN, P., Dr, and BREAZU, H., Dr, of the Hospital No 2 for Adults of Ploiesti (Spitalul de Adulti Nr 2 Ploiesti).

"A Fatal Case of Septicaemia Due to Cl. perfringens. (Clinical, Bacteriological and Hematological Study)."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 3, May-Jun 63, pp 243-252.

Abstract: Describes the clinical evolution as well as the hematological and bacteriological studies on the case of a 35-year old female patient.

Includes 8 figures and 21 references, of which 11 are Western, 2 German, 6 Rumanian and 2 Russian.

1/1

RUMANIA

BITTNER, J., dr.; RADU, I., dr.; SEFER, M., dr.; COCA, R., dr.;
ROSEN, P., dr.; BREAZU, H., dr.

A case of fatal septicemia caused by *Clostridium perfringens*.
(Clinical, bacteriological and hematological study). Micro-
biologia (Bucur) 8 no.3:243-252 My-Je '63.

1. Institutul "Dr. I. Cantacuzino" (for Bittner, Radu, Sefer).
2. Spitalul de adulti nr. 2 Ploiesti (for Coca, Rosen, Breazu).
 (SEPTICEMIA) (CLOSTRIDIUM PERFRINGENS)
 (PATHOLOGY) (BACTERIOLOGICAL TECHNIQS)
 (HEMATOLOGY)

SEFER, M., dr.; FESSLER, Nini, chim.

Changes in the serum electrophoretic pattern in experimental leptospirosis in guinea pigs. Microbiologia (Bucur) 10 no.2: 139-146 Mr-Apr'65.

1. Lucrare efectuata la Catedra a II-a de microbiologie, Institutul medico-farmaceutic, Bucuresti.

ACC NR: AP6030839

SOURCE CODE: RU/0023/66/011/001/0081/0083

AUTHOR: Sefer, M. (Doctor); Verenca, Cornelia (Technician); Sobescianschi, Constanta (Technician)

ORG: Second Department of Microbiology/headed by Professor, Doctor N. Nestorescu/
Medical Pharmaceutical Institute, Bucharest (Institutul de Medicina si Farmacie,
Catedra de Microbiologie II) 27 B

TITLE: New method for the study of the chemical constitution and antigenic structure
of bacteria

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 11, no. 1, 1966, 81-83

TOPIC TAGS: bacteriology, freezing, antigen, protein, biochemistry

ABSTRACT: The authors describe a process for the study of the chemical constitution
of bacteria which consists, essentially, of subjecting a washed concentrate suspension
of the bacteria to repeated cycles of freezing and thawing, followed by the
separation through centrifuging of a nucleoprotein chemical complex and the later
extraction of another chemical complex from the digested cellular residues.
[JPRS: 35,814]

SUB CODE: 06 / SUBM DATE: 09Aug65 / ORIG REF: 003 / OTH REF: 010

Card 1/1

UDC: 576.85.097.29

S/081/61/000/008/011/017
B110/B203

AUTHORS: Melikzade, M.M., Musajev, M.R., Sefereliyeva, L.E.
TITLE: Study of the mechanism of catalytic cracking of tagged
n-amyl benzene on an aluminosilicate catalyst
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1961, 479, abstract
8M 179 (8M179) (Azerb. neft. kh-vo, 1960, no. 8, 33 - 35)

TEXT: The authors studied the mechanism of catalytic cracking of n-amyl benzene (I) with a C^{14} atom in the side chain and of coke deposited on the catalyst. They give the scheme of the microsynthesis of I. At 450°C, the weight velocity of 1 hr, and a test time of 1 hr⁻¹ on a synthetic aluminosilicate catalyst, the amount of cracked portion was found to be 35 - 40% for I. The considerable amount of hydrocarbons separated out proves the high degree of splitting of the side chain of I. The main products of cracking of I are benzene (almost not radioactive) and toluene (this fraction was strongly radioactive). The decomposition products of the chain of (I) are apparently concentrated in the coke

Card 1/2

Study of the mechanism...

S/081/61/000/008/011/017
B110/B203

which is highly radioactive, 8 references, [Abstracter's note: Complete translation.]

Card 2/2

VESELY, C.; SEFERNA, I.; GROSSMANN, V.

Effect of Guaiacuran on the EEG in rabbits poisoned with tetanus toxin. *Activ. nerv. sup.* 4 no.2:223 '62.

1. Fyziologicky a farmakologicky ustav lekarske fakulty Karlovy university v Hradci Kralove,

(MUSCLE RELAXANTS pharmacol)
(ELECTROENCEPHALOGRAPHY)
(TETANUS) (TOXINS AND ANTITOXINS)

I 13590-66 EWA(j)/T/EWA(b)-2 RO/JK
ACC NR: AP6006086

SOURCE CODE: CZ/0053/65/014/004/0314/0314

AUTHOR: Seferna, I.

ORG: Institute of Pharmacology, Faculty of Pediatrics, Prague (Farmakologicky
ustav fak. detsk. lek.)

TITLE: Analysis of the effect of staphylotoxin (wood-46) on coaxially stimulated
ileum of guinea pigs [This paper was presented during the Twelfth Pharmacologic
Days, Smolenice, 28 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 314

TOPIC TAGS: toxicology, bacteriology, experiment animal, pharmacology, drug effect

ABSTRACT: Tests in guinea pig ileal strips in vitro indicated that the contraction
and subsequent relative inertia of smooth muscle following application of
staphylotoxin is not mediated through any intramural cholinergic plexuses. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003

Card 1/1

20A-50 L 05109-67 JK
ACC NR: AP6032379

SOURCE CODE: CZ/0053/66/015/005/0403/0403

AUTHOR: Hennighausen, G. (Rostock, East Germany); Seferna, I. (Prague) 15 B

ORG: Department of Pharmacology of the Pediatrics Faculty, KU,
Prague (Katedra farmakologie fakulty detskeho lekarstvi KU)

TITLE: A contribution to the analysis of the staphylococcal toxin poison effect on
the electrically stimulated guinea-pig ileum b b

SOURCE: Ceskoslovenska fyziologie, v. 15, no. 5, 1966, 403

TOPIC TAGS: biochemistry, toxicology, poison effect, ileum, contraction

ABSTRACT: It has been previously established that staphylococcal toxin at a
 5×10^{-4} g/ml concentration causes irreversible contraction of electrically stimulat-
ed guinea-pig ileum and causes gradual decrease in sensitivity to this stimulation.
Several compounds which counteract the toxin effect such as papaverin, adrenalin,
procaine, and the SQ 10642 substance were examined and their anticontractile
influence was evaluated. The dosage used and the degree of counteraction are
described. The conclusion is that while the toxin contraction effect can be countered

Card 1/2

ACC NR: AP6032379

by the above-named biochemicals, the decrease in ileum sensitivity cannot be effectively influenced by them. [W.A. 50] [KP]

SUB CODE: 06/ SUBM DATE: none/ OTH REF: 001/

Card 2/2 vmb

CWIENK, Jerzy, inż.; SEFERNA, Jerzy, inż.; ZEMBALA, Andrzej, inż.; TRYBUS,
Albin, inż.

Blocking by means of an auxiliary alternating current with the
help of a RTe-2/100-(0-3) type relay and an auxiliary accumulator
relay. Energetyka przem 10 no.3:102-104 '62.

VESELY, Ctibor; SEFERNA, Isidor; GROSSMANN, Vojtech.

Changes in the effect of thiopental and their influencing in irradiated animals. Sborn. ved. prac. lek. fak. Karlov. Univ. (Hrad. Kral.) 6 no. 1:89-93 '63.

1. Department of Pharmacology; head: prof. V. Grossmann, M.D.; Charles University Faculty of Medicine, Hradec Kralove.

FUZA, Vladimir; LEJSEK, Karel; SEFERNOVA, Zdena

Some cellular changes produced by high doses of roentgen rays. Sborn.
ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.3:361-368 '61.

1. Katedra obecne biologie; prednosta doc. MUDr. B. Hluchovsky
Katedra lekarske chemie; prednosta doc. MUDr. V. Grossmann.

(RADIATION INJURY exper) (CHROMOSOMES radiation eff)
(CELL DIVISION radiation eff)

PUZA, Vladimir; LEJSEK, Karel; SEFERNOVA, Zdena

Some cellular changes produced by high doses of roentgen rays. II.
Sborn. ved. prac. lek. fak. Karlov. univ, (Hrad Kral) (Suppl) 4
no.5:483-490 '61.

1. Katedra biologie; prednosta doc. MUDr. B. Hluchovsky Katedra chemie;
prednosta MUDr. Ivo Hais.
(CELL DIVISION) (RADIATION EFFECTS)
(TISSUE CULTURE)

S/184/62/000/002/00/00:
DO41/D112

AUTHORS:

Brusnichkin, H.S., Candidate of Technical Sciences;
Seferov, K.N., Engineer

TITLE:

New method for manufacturing ribbed pipes

PERIODICAL:

Khimicheskoye mashinostroyeniye, no. 2, 1962. 31-33

TEXT: The authors describe a new method for manufacturing longitudinally ribbed pipes for refrigerators, developed by Professor A.V. Stepanov, and tested by the Leningrad branch of NIIKhIMMASH as to its applicability. In this method a shaping device, whose shape corresponds to that of the desired pipe, is immersed into the liquid metal, which adheres to its surface. When the shaper is withdrawn, the metal is also drawn out of the crucible due to surface tension. Compressed air is blown around the metal after it has been drawn 3-10 mm out of the drawing die, whereupon the metal crystallizes in the same shape. With the aid of an experimental unit and a special drawing device, both illustrated, aluminum pipes with a class 7 rib thickness accuracy and outer and inner diameters of class 5 accuracy were

Card 1/2

New method ...

S/194/62/000/002/003/004
D041/D112

produced. It is considered that the accuracy can be further raised under industrial conditions. The pipes need no machining. Hydraulic pressure tests at an internal pressure of 60 kg/cm³ caused no deformation. The heat-removal from the pipes was found by the Vsesoyuznyy teplotekhnicheskiy institut (All-Union Institute of Heat Engineering) to be 3 times higher than that of smooth pipes. The new method will cut costs by 5-6 times as compared with the extrusion method, and may be able to be used with refractory metals in future. There are 4 figures and 1 table. ✓

Card 2/2

SEFEROV, Ye.

Efficiency of using precast reinforced concrete in industrial building. Prom.Arm. 4 no.6:25-30 Je '61. (MIRA 14:8)

1. Zamestitel' glavnogo inzhenera, Upravleniye stroitel'stva Sovnarkhoza Armyanskoy SSR.
(Armenia--Precast concrete)

SEFEROV, Ye.

Use on a larger scale the industrial production methods in the construction of industrial buildings. Prom.Arm. 5 no.6:3-5 Je '62,
(MIRA 15:7)

1. Glavnyy inzhener Upravleniya stroitel'stva sovnarkhoza Armyanskoy SSR.

(Armenia--Construction industry--Production methods)

SEFEROV, Ye.A., inzh.

Operation of the first tailings disposal department located in the
mountains. Gidr. stroi. 30 no.10:37-40 O '60. (MIRA 13:10)
(Ore dressing--Equipment and supplies)

SEMEROVA, I. L.

SEMEROVA, I. L. - "The comparative zootechnical and economic effectiveness of cage and combined methods of growing "nesushki" (setting hens?)." Leningrad-Lushkin, 1955. Min Higher Education USSR. Leningrad Agricultural Inst. (Dissertations for degree of Candidate of Agricultural Sciences.)

SO: Knizhnaya letopis', No 46. 26 November 1955. Moscow.

SEFEROVA, N. I.

SEFEROVA, N. I. --"Roentgenological Investigation of the Urinary Tracts in Women with Postnatal and Surgical Urogenital Fistulae." Min. Public Health USSR, Central Inst. for the Advanced Training of Physicians, Moscow, 1955. (Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No. 35, 1955.

PAPKO, G.F., SEFEROVA, N.I.

Diffuse osteoporosis in amyloidosis of the liver and kidneys.
Sov.med. 22 no.8:37-42 Ag '58 (MIRA 11:10)

1. Iz travmatologicheskogo otdeleniya (nauchnyy rukovoditel' -
prof. D.K. Yazykov) Moskovskoy gorodskoy ordena Lenina klinicheskoy
bol'nitsy imeni S.P. Botkina (glavnyy vrach - prof. A.N. Shabanov)
i pervoy kafedry rentgenologii i radiologii (zav. - prof. S.A.
Reynberg) TSentral'nogo instituta usovershenstvovaniya vrachey.

(AMYLOIDOSIS, compl.

osteoporosis, diffuse, in amyloidosis of liver &
kidneys (Rus))

(LIVER DISEASES, compl.

osteoporosis, diffuse, in amyloidosis (Rus))

(KIDNEYS, DISEASES, compl.

same (Rus))

(OSTEOPOROSIS, compl.

diffuse, with amyloidosis of liver & kidneys (Rus))

GOLYAKHOVSKIY, V.Yu. (Moskva, D-57, Peschanaya ul., d.18-A, kv.31);
SEFEROVA, N.I., kand.med.nauk

Roentgenological symptoms in habitual shoulder dislocation. Vest.
rent.1 rad. 34 no.2:16-22 Mr-Apr '59. (MIRA 13:4)

1. Iz 2-y kafedry ortopedii i travmatologii (zaveduyushchiy - prof.
D.K. Yazykov) i 1-y kafedry rentgenologii i meditsinskoy radiologii
(zav. - zasluzhennyy deyatel' nauki prof. S.A. Reynberg) Tsentral'-
nogo instituta usovershenstvovaniya vrachey (direktor - prof. V.P.
Lebedeva).

(SHOULDER, disloc.
habitual, x-ray signs (Rus))

GLINE, T.I.; SEFEROVA, N.I.

Sarcomatous degeneration of one of the foci of multiple chondromatosis. Ortop., travm.i protez. 21 no.1:74-76 Ja '60.

(MIRA 13:12)

(CARTILAGE--TUMORS)

SEFEROVA, N.I., kand.med.nauk

Conditions of the urinary tract in cases of urogenital fistulae in women; based on radiographic investigations. Akus.i gin. 37 no.2:89-97 F '61. (MIRA 14:9)

1. Iz 1-y kafedry rentgenologii i radiologii (zav. - zasluzhenyy deyatel nauk prof. S.A. Reynberg) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. - V.P. Lebedev) i uroginekologicheskoy kliniki Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta (zav. - prof. D.N. Atabekov).
(FISTULA) (GENITOURINARY SYSTEM—DISEASES)

PAPKO, G.F.; SEFEROVA, N.I.

Osteoid osteoma. Sov.med. 25 no.5:143-146 My '62. (MIRA 15:8)

1. Iz travmatologicheskogo otdeleniya (nauchnyy rukovoditel' -
prof. D.K.Yazykov) Moskovskoy gorodskoy ordena Lenina klinicheskoy
bol'nitsy imeni S.P.Botkina (glavnyy vrach - prof. A.M.Shabanov)
i pervoy kafedry rentgenologii i radiologii (zav. - prof. S.A.
Reynberg) Tsentral'nogo instituta usovershenstvovaniya vrachey.
(BONES--TUMORS)

SEFEROVA, N.I.

X-ray photograph of a benign chondroblastoma of the bones (Codman's tumor). Trudy TSIU 62:367-372 '63. (MIRA 18:3)

1. I kafedra rentgenologii (zav. zasluzhennyi deyatel' nauki prof. S.A.Reynberg) Tsentral'nogo instituta usovershenstvovaniya vrachey.

SEPAROVIC, P.

Development of production and consumption of chlorine in Yugoslavia. p. 729.
Work of the Society of Chemists and Technologists of Serbia in 1964. p. 749.
TEHNIKA, Beograd, Vol. 10, no. 5, 1955.

50: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

SEFEROVIC, B.

Problems of establishing and locating plants for alkali chloride electrolysis in Yugoslavia. p.64

KEMIJA U INDUSTRIJI Društvo kemičara-tehnologa NRH.
Zagreb, Yugoslavia

Vol 5, no. 4, Apr. 1956

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

SEFEROVIC, Branko, inz.

Social news. Tehnika Jug 19 no.1 Suppl: Hemindustrija 18 no.1: 160b-
160d Ja '64.

1. Direktor HEMINDA, poslovno udruzenje hemijske industrije, Beograd.

YUGOSLAVIA

SEPEROVIC, M., Veterinarian (Veterinar), Belgrade

"Veterinarian Institutions in Split"

Belgrade, Veterinarski Glasnik, Vol 20, No 10, 1966, p. 771-778

Abstract: Organization, facilities and personnel of the Veterinary Institute in Split and the Veterinary Station in Split are described, together with a tabulation of the number of tests (of 7 types, i.e., bacteriologic, serologic, parasitologic, etc.) and of vaccinations (of cattle, sheep, and pigs) during 1961-65; budgeting and administrative affairs are also reported. 2 tables, 9 photographs; manuscript received 12 May 66.

1/1

PROCESS AND PROPERTY INDEX																									
18 <i>OK</i> The preparation of anhydrous aluminum chloride by chlorination of kolin in the presence of a catalyst. Ya. E. Seferovich. <i>J. Chem. Ind. (Moscow)</i> 1934, No. 10, 62-4.—The addn. of 2% of NaCl or Na₂B₄O₇ to kaolin catalytically increases AlCl₃ production on chlorination at 650°. Probably those compds. which can unite with AlCl₃ can act as catalysts, since BaCl₂ has no action. H. M. Leicester																									
450.564 METALLURGICAL LITERATURE CLASSIFICATION 10000 100000 10000 100000 10000 100000 10000 100000																									

Ca

Beryllium chloride. M. A. Postnov and Ya. V. Seferyuch — Russ., 47,684, July 31, 1933. BeCl₂ is prepd. by passing Cl through a mist. of C and Be-contg ore at elevated temp. and in the presence of univalent metals as catalysts.

18

ASAC SLA METALLURGICAL LITERATURE CLASSIFICATION

EX-100

EX-100

ca

18

Obtaining soda by carbonation of sodium chloride in liquid ammonia. B. B. Vasil'ev, Ya. E. Seferovich and V. M. Fridman. *J. Chem. Ind. (U. S. S. R.)* 14, 719-25, 818-24(1937).— $\text{NH}_4\text{CO}_2\text{NH}_2$ is formed rapidly when CO_2 is passed into liquid NH_3 . This reacts with NaCl to form NaCO_2NH_2 and NH_4Cl . The latter increases the soly. of $\text{NH}_4\text{CO}_2\text{NH}_2$ and the insol. NaCO_2NH_2 is then almost entirely pptd. At 0° this reaction is best carried out with an amt. of NaCl equal to twice its soly. in the NH_3 used. The yields of NaCO_2NH_2 and NH_4Cl are 95%. However, the process is more efficient when run at 20° for 1 hr., using 1.93 wt. of NH_3 per wt. of NaCl . The yield is 91%. The product must be washed free of NH_4Cl by NH_3 , since, in the presence of NH_4Cl , the NaCO_2 obtained by heating NaCO_2NH_2 at $250-300^\circ$ with steam will contain NaCl . Al, cast Fe or Cr plated app. is not corroded by the solns. used in this process.

H. M. Leicester

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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BC B-1-8 Preparation of soda by carbonation of sodium chloride in liquid ammonia. B. B. VASILYEV, J. E. SAMOYLOVICH, and V. M. FRIDMAN (Zh. Khim. Ind. Russ., 1957, 24, 818-824).—Max. yields (95%) of $\text{NH}_4\text{CO}_2\text{Na}$ (I) are obtained by adding twice as much NaCl as is required for saturation of $\text{NH}_3\text{-CO}_2$ at 0°, and filtering after 1 hr. At 20° the amount of NaCl should be 1 g. per 100 g. of NH_3, when the yield of (I) is 92-94%. The ppt. of (I) is washed with NH_3, and steam is passed through the mass at 200-300°, when (I) is converted into Na_2CO_3 (90% pure). The NH_4Cl obtained as a by-product contains 5-7% of NaCl. The solutions may be filtered in Al or cast-Fe apparatus. H. T.																																																																																																																																																											
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SOV/81-59-16-57625

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 282 (USSR)

AUTHORS: Il'inskiy, V.P., Seferovich, Ya.Ye., Uverskaya, A.T., Volnyanskaya, E.M.
Vyshenkova, O.I.

TITLE: The Preparation of Crystalline Ferrous Bromide by the Sorption of Bromine
by a Ferrous Bromide Solution

PERIODICAL: Sb. tr. Gos. in-ta prikl. khimii, 1958, Nr 41, pp 193-209

ABSTRACT: Based on the data of the solubility in the system $\text{FeBr}_2 - \text{H}_2\text{O}$ and thermo-
chemical calculations on the system $\text{FeBr}_2 - \text{Br}_2$ (gas) and $\text{FeBr}_3 - \text{Fe}$,
the possibility of obtaining FeBr_2 without smoothing has been proved and
a method of production has been proposed.

N. Shirayeva.

Card 1/1

LUKOMSKIY, G.I.; SEFEROVSKIY, L.Ye.

Postoperative atelectasis following radical pulmonary surgery
for chronic suppurative diseases. Eksper. khir. i anest. 9
no.5:75-79 S-O '64.

(MIRA 18:11)

1. Klinika fakul'tetskoy khirurgii (zav. - prof. I.S.Zhorov)
sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo
meditsinskogo instituta imeni I.M.Sechenova.

EPKIMAEV, A.A.; VIKTOROV, A.A.; ...

Changes in basic electrolyte metabolism during surgery on the
organs of the chest cavity and in the postoperative period.
Eksp. khir. i anest. 2 no. 4: 40-43, 1971. (ISSN 1847)

1. Klinika fakul'tetskoy anestesii (nast. prof. A.A. Viktorov)
sanitarno-gigiyenicheskoy fakul'teta i v. karkasa n. 1
Lenina meditsinskogo instituta im. N. I. Pirogova.

KUZ'MIN, Vitaliy Vasil'yevich; PANKRATOV, Aleksandr Yakovlevich;
SEIFERSHAYEV, Memet Abduramanovich; SHAPOVALOVA, Anna
Ivanovna; GOL'DSHTEYN, S.A., red.; BARANOVA, L.G.,
tekhn.red.

[Practical lessons in veterinary microbiology] Prakticheskie
zaniatiia po veterinarnoi mikrobiologii. Pod red. V.V.Kus'mina.
Izd.2., ispr. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959.
203 p. (MIRA 12:7)

(Veterinary bacteriology)

SEFERSHAYEV, Mamet Abduramanovich; SHAPOVALOVA, Anna Ivanovna; KUZ'-
MIN, V.V., doktor vet.nauk, red.; GOL'DSHTEYN, S.A., red.; CHU-
NAYEVA, Z.V., tekhn.red.

[Role of micro-organisms in stockbreeding] Rol' mikrobov v
zhivotnovodstve. Pod red. V.V. Kuz'mina. Moskva, Gos. izd-vo
sel'khoz. lit-ry, 1960. 101 p.

(MIRA 14:5)

(Veterinary microbiology)

SEFFEL, Gyorgy

Preparing pattern and pouring technologies. Koh lap
95 no.10:Suppl.: ~~222-13~~ no.10:222-233 0 '62.

1. Ganz-Mavag.

SEFFL, L., inz.

"Fuel oil in metallurgy" by O.Pavlik, J.Dufka, K.Klima. Reviewed
by L.Seffl. Hut listy 18 no.10:756 0 '63.

L 63312-65 EWP(t)/EWP(b) JD

ACCESSION NR: AP5020847

CZ/0034/64/000/009/0652/0655

AUTHOR: Seffl. Ladislav (Engineer)

TITLE: Closing of the pouring opening in Martin steel furnaces

SOURCE: Hutnicke listy, no. 9, 1964, 652-655

TOPIC TAGS: furnace, steel, steel industry, iron, metallurgic process, clay, mineral

ABSTRACT: The old method of closing the opening with dolomite is described. Processes developed in 7 steel works of Czechoslovakia are described; the materials used are iron ore, magnesite, dolomite, and refractory clay. The basic principle in all of these is the refractory refractory clay solidifying under heat, and holding the charge. At the time of opening the clay stopper is broken. Orig. art. has 4 graphs.

ASSOCIATION: SONP, Kladno

steel making

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 001

OTHER: 003

JPRS

Cord 1/1

L 34919-66

ACC NR: AP6026581

SOURCE CODE: CZ/0057/65/000/008/0324/0326

AUTHOR: Seffl, Ladislav (Engineer)

ORG: SOMP, Kladno

TITLE: Fine grain magnesite clinker for lining of Martin furnaces

SOURCE: Hutnik, no. 8, 1965, 324-326

TOPIC TAGS: metallurgic furnace, magnesite, mechanical engineering

ABSTRACT: Replacing of dolomite by magnesite in furnace linings is discussed. The method described by the author is based on ramming of the fine grain magnesite clinker in the base of the furnace, drying of the lining, and heating it up to the usual operating temperature. The tapping opening was lined with shapes made of magnesite, instead of the method used previously, when the tapping openings used to be lined with powdered refractory materials. Orig. art. has: 2 figures and 2 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 002
OTI REF: 003

Card 1/1 *dy*

0916 2276

SEFL, Emerich, inz.

Development in designing steel structures. Hut listy 16
no.10:719-723 0 '61.

CA

Calculation of viscosity index and a brief explanation of
VTN and RVTN. Labor Sefner. *Palms* 30, 240-54
(1980).—A review with charts and tables. For VTN
(Viscosity Temperature Number) and RVTN (Relative
Viscosity Temperature Number) see Sanderson, C.A. 63,
2401A, 2402B.
James L. Jost

1951

SEFFNER, L.

" Explanation of the Exchange of Cations in Organic Synthetic Ion Exchangers," p.20
(Energetika, Vol.3, No.1, Jan. 1953, Praha.)

SO: Monthly List of East European Accessions, Vol.2, No.9, Library of Congress, September
1953, Uncl.

SEFFNER, L.

"Anion exchangers." p. 303. (Energetika. Vol. 3, no. 9, ^{Sept.} 1953. Praha.)

SO: Monthly List of East European Accessions, Vol.3, no. 6, Library of Congress, June 1954.
Uncl.

SEFFNER, L.

"Modern Water Systems for Feeding Steam Generators", P. 377, (ENERGETIKA, Vol. 4, No. 9, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

SZFIC, S., d-r

Contribution to the role of the eye and of new visual pathway of the influence of light on the regulation of metabolism in our organism. Med. arh., Sarajevo 12 no.2:115-126 Mr-Apr '59.

1. Očno odjeljenje Opšte bolnice u Banjaluci, sef: prim. d-r S. Sefic.
(LIGHT eff.)
(EYE physiol.)
(METABOLISM)

SEFIC, S., d-r

Our experience with burns and caustic injuries of the eye and of its adnexa. Med. arh., Sarajevo 13 no. 4:63-70 J1-Ag '59.

1. Očne odjeljenje opšte bolnice Banjaluka, sef: prim. d-r S. Sefic.
(EYE wds & inj.)
(BURNS)
(CAUSTICS eff. inj.)

SEFIC, Sefkija, Dr.

Barraquer's enzymatic zonulolysis. Lijec vjes 82 no.9/10:751-755 '60.

1. Iz Ocnog odjeljenja Opce bolnice u Banjoj Luci
(CATARACT EXTRACTION)
(TRYPSINS ther)

SEFIVEC, Vladislav, MUDr.; DROVOTA, Stanislav, MUDr.; LAVICKA, Josef, MUDr.;
CERNY, Josef, MUDr.

Neuropsychical disorders in ACTH and cortisone therapy. Vnitr.
lek., Brno 1 no.11:850-855 Nov 55.

1. Z psychiatrické kliniky (prednosta doc. MUDr. Evžen Vencovsky)
a vnitřní kliniky (prednosta doc. MUDr. Karel Bobek) lékařské
fakulty v Plzni. Psychiatrická léčebna v Dobrušce.

(MENTAL DISORDERS, etiology and pathogenesis,
ACTH & cortisone.)

(ACTH, injurious effects,
ment. & neural disord.)

(CORTISONE, injurious effects,
ment. & neural disord.)

SEFKIND, M.

"Economy of Electricity in Coal Mines." p. 237. Praha, Vol. 3, no. 7, July 1953.

SO: East European Accessions List, Vol. 3, No. 9, September 1954. Lib. of Congress

SEFL, E.; WANKE, J.

Rationalization of steel constructions. p. 397. (Hutnicke Listy, Vol. 12, No. 5, May 1957, Brno, Czechoslovakia)

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

SEFL, K.

"Selective ore crushing." p. 129

RUDY. Praha, Czechoslovakia, Vol. 7, No. 4, April, 1959

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

SEFL, K.; PECA, V.

"Testing quick-setting cement to be used in the construction of prestressed-concrete structures." p. 322

POZEMNI STAVBY. Praha, Czechoslovakia, Vol. 7, No. 6, March, 1959

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

SEFL, L.

"Liquid fuels for open-hearth furnaces."

HUTNICKE LISTY. Brno, Czechoslovakia, Vol. 14, March 1959.

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

SEFL, Ladislav, inz.

Rubber compensators. Energetika Cz 11 no.9:449-450 S '61.

SEFL, O.

Stationary stochastic processes and their application in the theory of servomechanisms. p. 525.

SLABORPOUDY OEBZOR. Praha. Vol. 14, no. 12, Dec. 1953.

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

SEFL, Q.

TECHNOLOGY

PERIODICAL: ACTA TECHNICA VOL. 4, no. 2, 1959

Sefl, o. Filtration of nonstationary processes, In English. p. 139.

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

16.6800

37618
S/G44/62/000/004/050/099
C111/C222

INFORM: Šolc, Otakar

TITLE: Filters and predictors which adapt their values to the unknown parameters of the input process

PERIODICAL: Referativnyi zhurnal, Matematika, no. 4, 1962, 11, abstract 4765. ("Trans. 2nd Prague Conf., Liblice, 1959". Prague, 1960, 597-608)

TEXT: The problem of the prediction of stationary processes is considered. It is assumed that the transition function of the filter, which effects the optimal (in the sense of the mean quadratic error) filtration, has the form

$$\sum_{i=1}^N a_i \varphi_i(t),$$

where $\varphi_i(t)$ -- known functions, a_i -- constants. If the correlation function $R(t)$ of the process in question is known, then the optimal a_i , for which the mean quadratic error is a minimum, can be determined.

Card 1/2

Filters and predictors which adapt ...

S/044/62/000/004/090/099
0111/0222

In the paper, the case is considered where not the function $R(t)$ itself is known, but only the empirical estimate $\hat{R}(t)$, which has been obtained after realization of finite duration T . It is proven under certain assumptions that the random variables $\hat{a}_1$, obtained from the optimal a_1 by substituting $\hat{R}(t)$ for $R(t)$, almost certainly converge to the optimal a_1 for $T \rightarrow \infty$. Analogous questions for the filtration of arbitrary processes are then considered. Examples are given.

[Abstracter's note: Complete translation.]

Card 2/2

S/194/62/000/008/026/100
D201/D308

16 8000

AUTHOR: Šefl, Otakar

TITLE: Self-adjusting systems

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1962, abstract 8-2-141 g (Souhrn prací o automat, 1959, Prague, 1961, 149-154 [Czech.; summary in Eng.])

TEXT: The author considers principles of design of regulators which optimize automatically the resultant characteristics by means of self-adjustment of their own characteristics. An example of an automatic control system with lag is given. The correlation function of the input signal is given by the expression $e^{-\lambda t}$. The regulator continuously and automatically adjusts itself to the unknown magnitude λ in such a way that the dispersion of deviation be minimum. [Abstracter's note: Complete translation.]

Card 1/1

SEFL, Pavel, inz.

Precision casting of turbine blades and castings from
refractory alloys by the lost-wax process. Zpravodaj VZLU
no.2:73-80 '63.

SEFL, Otakar

"Computers and common sense, the myth of thinking machines" by
Mortimer Taube. Reviewed by Otakar Sefl. Kybernetika 1 no.1:
104 '65.

SEFL, Otakar

Seminars on the theory of information. Kybernetika 1 no.2.203
'65.

L 01510-66 EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) IJP(c) MJW(CL)/JD/HW

^A
ACCESSION NR: AP5021036

CZ/0078/65/000/008/P018/P018

AUTHOR: Vystyd, M. (Engineer) (Prague); Vodsedalek, J. (Engineer) (Prague); Sefl, P. (Engineer) (Prague); Pacholik, E. (Prague); Zivnustka, F. (Prague)

⁶ ²¹
TITLE: Creep-resistant nickel-base alloy

37
B

SOURCE: Vynalezky, no. 8, 1965, p. 18 of supplement

TOPIC TAGS: alloy, heat resistant alloy, nickel alloy, chromium containing alloy, molybdenum containing alloy, tungsten containing alloy, cobalt containing alloy, titanium containing alloy, aluminum containing alloy, boron containing alloy, zirconium containing alloy

¹⁴
ABSTRACT: This Czech patent introduces an age-hardenable nickel-base alloy which has a very high creep strength at temperatures up to 1000C. The alloy contains 0.05—0.50% carbon, 0.50% max manganese, 0.50% max silicon, 8.0—15.0% chromium, 3.0—5.0% molybdenum, 2.0—5.0% tungsten, 0.5—12.0% cobalt, 0.5—6% titanium, 4.0—8.0% aluminum, 0.005—0.2% boron, 0.01—0.50% zirconium, and 3.0% max iron.

[DV]

ASSOCIATION: none

Card 1/2

L 01510-66

ACCESSION NR: AP5021036

SUBMITTED: 19May64

NO REF SOV: 000

ENCL: 00

OTHER: 00

SUB CODE: MM

AID PRESS: 4087

Card 2/2

SP

KRESTER, N.: 1965, 2.

Additional education of physicians in anesthesiology. Rozhl.
chir. 44, no.8:513-518 Ag '65.

1. Anesteziologicke oddeleni Ustavu klinicke a experimentalni
chirurgie v Praze a Anesteziologiccka subkatedra Ustavu detskeho
lekarstvi v Praze.

SEFL, Z , Skarda, K.

A plan for the safe exploitation of coal reserves under the Detritus. p. 278.
(Uhli, Vol. 6, no. 8, Aug. 1956, Praha, Czechoslovakia.)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

SEFL, Z.

Relation of anesthesiology to emergency surgical aid in a district hospital of an average size. Rozhl. chir. 41 no.11:716-720 N '62.

1. OUNZ v Kutne Hore.
(ANESTHESIA)

(HOSPITALS)

(EMERGENCIES)

SEPL, Zdenek, doc. inz.

Effect of the design and parameters of a loader scoop on its
loading capacity in shaft sinking. Sbor VSB Ostrava 9 no. 6:
819-858 '63.

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX		120 AND 4TH INDEX	
BC		Strongly desiccated pyroxylic acid. J. FRIEDMAN and B. BERNARDI (Coll. Czech. Chem. Comm., 1959, 24, 1289-1291). - $\text{C}_6\text{H}_4(\text{OH})_2$ (I) with Br (6 mols.) in cold CHCl_3 or, better, in conc. H_2SO_4, gives the Br-derivative, m.p. 154-155°. Lit. methods fail to give the 3:4:5-Br-derivative (II), m.p. 144° (conv.), which is obtained by the action of $\text{Br}-\text{CHCl}_3$ or Br vapour on a 5% CHCl_3 solution of (I) at < 25° (monohydrate could not be obtained); Ac-derivative, m.p. 150°, characterized by conversion ($\text{H}_2\text{O}-\text{NaOH}-\text{K}_2\text{CO}_3$) into its known isomer. With Br (2 mols.) - AcOH a 25% solution of (I) in AcOH (Czech. A., 1958, 1, 488) or (II) - Br vapour into (I)-CHCl_3, gives the 4:5-Br-derivative (III), but if 50% Br vapour is passed into (I)-CHCl_3 at room temp. an 85% yield of the 3:4:5-Br-derivative, m.p. 73-74° (Ac-derivative, m.p. 85-86°) (converted by $\text{Br}-\text{CHCl}_3$ into (II)), is obtained. (III) is not obtained by the method of Kohn et al. (A., 1957, 600), which gives only a mixture, possibly containing the 3:4:5-Br-derivative, m.p. 150° (Ac-derivative, m.p. about 170°), which could not be isolated pure. J. W. H.		3	
ASB-35A METALLURGICAL LITERATURE CLASSIFICATION					
120 AND 4TH INDEX					

1X
New method of preparing some halogenated derivatives of dihydroxydi-o-phenylene dioxide. J. Frejka, B. Seifanek and J. Zika. *Collection Czechoslov. Chem. Commun.* 9, 2394-40 (1937) (in French); cf. C. A. 28, 127^o, 4307^o.---Tetrachloropyrocatechol (5 g.), prepd. according to the method of Zincke (*Ber.* 20, 1779), in 10 cc. AcOH treated slowly with 1.0 g. NaNO₂ in 8 cc. H₂O gives 2 g. hexachloro-o-quinone-hemipyrocatechol ether, red needles purified with hot EtOH, m. 285.5^o; the compd. oxidizes readily in air and because of its instability must be reduced immediately; reduction with either Sn and HCl or SO₂ in EtOH gives 1,6,5,6,7,8-hexachloro-2,3-dihydroxyphenylene dioxide, needles from EtOH, m. 276^o (decompn.), which gives an intense green color with FeCl₃ in EtOH, and, because of its instability, must be immedi-

ately converted to its corresponding di-Ac deriv., crystals from CH₂Cl₂, m. 301^o (recr.). 4,5-Dichloropyrocatechol (1 g.), prepd. according to the method of Peratoner (*Gazz. chim. ital.* 28, 1, 222), in H₂O treated with 0.5 g. NaNO₂, and 20 cc. 25% AcOH gives 6,7-dichloro-o-quinone-hemipyrocatechol ether, which reduces with Sn and HCl or SO₂ in EtOH to 6,7-dichloro-2,3-dihydroxydi-o-phenylene dioxide; di-Ac deriv., m. 218^o. Tetrabromopyrocatechol (5 g.), prepd. according to method of P. and B. (C. A. 30, 4474^o), in 13 cc. AcOH treated with 5 g. NaNO₂ in 15 cc. H₂O added dropwise gives 2 g. of hexabromo-o-quinone-hemipyrocatechol ether, red crystals, m. above 300^o (decompn.), which is unstable; reduction of the quinone (2 g.) in 20 cc. boiling EtOH with dry SO₂ for 2 hrs. gives 0.6 g. (30% yield) of 1,6,5,6,7,8-hexabromo-2,3-dihydroxyphenylene dioxide, which with Ac₂O gives 0.3 g. (47% yield) of the di-Ac deriv., m. above 300^o (decompn.). Treating 27.5 g. pyrocatechol in 100 cc. EtOH with 18.5 cc. SO₂Cl₂ in an atm. of CO₂, followed by addn. of 190 cc. petroleum ether with the exclusion of moisture, gives 12 g. 4-chloropyrocatechol, m. 68^o. Treating the latter compd. (1 g.) with 100 cc. 5% NaNO₂ soln. in (a) aq. medium followed by adding 0.45 cc. Ac₂O or (b) Ac₂O medium gives 0.7 g. 6-(4-chloro-2-hydroxyphenoxy)-1,2-benzoquinone which reduces with SO₂ in 25 times its wt. of EtOH after 2 hrs. to give 0.3 g. 6-(4-chloro-2-hydroxyphenoxy)-1,2-dihydroxybenzene, which with Ac₂O forms the corresponding tri-Ac deriv., crystals from EtOH, m. 178^o.

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