

AIII-25

BA.

2466. Micro-analysis of hygroscopic liquids. H. Goldberger and M. F. Ryan. (*Microchem. J.* 1962, 80, 73-74).— Samples of hygroscopic or reactive liquids for combustion analysis are obtained by vac. distillation from a 1-cm. diameter bulb into a capillary side-arm, 1.5 mm. x 3 cm., with a 3-mm. diameter bulb at the lower end. The capillary is sealed off in vac. Before weighing in the Pt boat or spiral, the tip of the capillary is broken off. For very reactive liquids the whole apparatus is cooled in vac. and the capillary cut off immediately before weighing. During weighing the end of the capillary is closed by a glass rod, 1 mm. x 1 cm.
O. D. SALTMAN.

CH

17

Paper-chromatographic investigation of the alkaloid mixtures of ergot. Preliminary report. I. Fuchs and M. Pöhl (Univ. Vienna). *Scientia Pharm.* 19, 232-5 (1951).--
After chromatographic separ. of the various alkaloid types, the ergotoxin group can be hydrolyzed and identified by the amino acids given on hydrolysis. A good solvent for the separ. of iso-BuCH(NH₂)CO₂H (I) and PhCH₂CH(NH₂)CO₂H (II) is BuOH 1, PhCH₂OH 1, H₂O 2. The following results are reported (amino acid, R_f value ±0.01, ninhydrin reaction color given): proline, 0.1, yellow; valine, 0.15, purple; I, 0.30, purple; II, 0.40, gray-violet to blue.
John Howe Scott

CA

1

Microchemical analysis of hygroscopic liquids. H. Goldberger and M. Pohn (Univ. Vienna). *Mikrochemie rev. Mikrochim.* 39, 73-4 (1952). - A glass tube with a small bulb blown at one end, with a smaller bulb attached through narrower tubing at the middle is helpful. The smaller bulb is about 1.5 cm in diam. and the larger one is 3 mm
W. T. Hall

POHNER, J.; DECSI, Z.

Society news. Koh lap 97 no.1:39 Ja'64.

POHNET B.

POHNET, B.

Standards of the television terminology. (Supplement) p. F71. (Slaboproudý Cezor. Praha. Vol. 14, no.11, Nov. 1953)
SO: Monthly List of East European Accessions, (BEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

POHNERT, B.

Soviet books on radiotechnology. p.236
SLABOPROUDY OBZOR, Vol. 15, No. 5, May, 1954. Prague.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June, 1956, Uncl.

POHNERT, B.

"Czechoslovak and Soviet periodicals in our field". p. 321

SDELOVACI TECHNIKA. Praha, Czechoslovakia, Vol 3, No. 11, Nov., 1955

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

POHNERT, B.

Soviet books on radio engineering, p. 274, SLABOPROUDY OBZOR, (Ministerstvo strojirenstvi a ministerstvo spoju) Praha, Vol. 16, No. 5, May 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 12, December 1955

POHNET, B.

POHNET, B. Do we not need Western technical literature? p. 275.

Vol. 4, No. 6, June 1955
ZA SOCIALISTICKOU VEDU A TECHNIKU
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

POHNET, B.

POHNET, B. Technical development and technical literature. p. 218.

Vol. 4, No. 5, May 1956.

SIROJIRENSKA VYROBA.

TECHNOLOGY

Praha, Czechoslovakia

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

POHNERT, B.

Soviet books on communications engineering; a bibliography. p. 602.
SLABOPROUDY OBZOR, Prague, Vol. 16, no. 11, Nov. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956,
Uncl.

POHNERT, B.

Pohnert, B. Preparations of factory technical libraries for the second Five-Year Plan. p.123

SO: Monthly List of the East European Accessions. (ERAL). LC. Vol. 4, no. 10, Oct. 1955. Uncl.

POHNET, E.

Preparations of factory technical libraries for the second Five-Year Plan. p. 123.
STROJIRENSKA VYROBA, Praha, Vol. 3, no. 3, Mar. 1955.

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

POHNERTOVA, Maria

Mechanization of finishing works. Przegl budowl i bud mieszk
33 no.9:558-561 S '61.

1. Statni nakladatelstvi technicke leteratury, Praha (CSRS).

POHNERTOVA, Maria

Mechanization of finishing works. Prace v budowl i bud mieszk
33 no.9:558-561 S '61.

1. Statni nakladatelstvi technicke leteratury, Praha (CSRS).

POHORECKA, Zofia; RDZANEK, Irena

Isolation from soil of a pathogenic dermatophyte *Microsporum gypseum*. *Przegl. dermat.*, Warsz. 47 no.3:185-194 My-Je '60.

1. Z Ośrodka Mikologicznego przy Klinice Dermatologicznej A.M.
w Warszawie; Kierownik: prof. dr. S. Jablonska.
(SOIL microbiol.)
(MICROSPORUM)

WEYMAN-RZUCIDLO, Danuta; POHORECKA, Zofia

Result of griseofulvin therapy of various forms of mycoses. Preliminary communication. Przegł. dermat. 48 no.3:211-218 '61.

1. Z Kliniki Dermatologicznej AM w Warszawie. Kierownik: prof. dr S. Jablonska.

(GRISEOFULVIN ther) (DERMATOMYCOSIS ther)

23510
P/014/60/039/012/005/007
A221/A126

5 1105

AUTHORS: Ciborowski, Janusz, and Pohorecki, Ryszard

TITLE: A survey of computation methods of technical absorption equilibria

PERIODICAL: Przemysł Chemiczny, v. 39, no. 12, 1960, 762 - 768

TEXT: The authors critically discuss several methods of computing inter-phase equilibria, proposed by various authors. One of the basic problems of chemical engineering is the determination of inter-phase equilibria between gas and liquid. There are several methods described in literature, concerning the conditions under which the temperature of the system is lower than the critical temperature of its gaseous component. If, however, the temperature of the system is higher than the critical one, which is usually the case in absorption systems, the calculation of the equilibrium is complicated and difficult. Some information on this subject can be found in various manuals, but it is superficial and often inaccurate. Usually all methods refer to the Henry's Law, but without indicating the conditions of

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J

A survey of computation methods of...

application or calculation of the Henry's Constant for the specified system. Most accurate information on this subject can be found in the paper published by Markham and Kobe (Ref. 10: A. E. Markham, K. A. Kobe, Chem. Rev., 28, 519, 1941). Further, the authors discuss a) the applicability of Henry's Law, b) the calculation of equilibria from physico-chemical data concerning the components, c) the method of extrapolating the equilibrium to different pressure and temperature conditions, d) the solubility of gas mixtures, e) the solubility of gases in solutions, and f) the calculation of equilibria in case of non-isothermic absorption. The authors conclude their article by presenting following practical example of calculation: The mixture of methane and air is in equilibrium with liquid benzene. The overall pressure $P = 2$ atm, temperature 25°C , partial pressure of methane $p_m = 0.4$ atm. The task is to calculate the unit content of methane in gaseous phase and equilibrium unit content of methane in liquid phase. There are 4 tables, 1 figure and 39 references: 10 Soviet-bloc and 29 non-Soviet-bloc. The four most recent references to English-language publications read as follows: H. W. Cremer, T. Davies, "Chemical Engineering Practice", London 1958; R. C. Reid, T. K. Sherwood, "The Properties of Gases and Liquids", New York

Card 2/3

A survey of computation methods of...

23510
P/014/60/039/012/005/007
A221/A126

1958; T. K. Sherwood, R. L. Pigford, "Absorption and Extraction", New York
1952; J. H. Hildebrand, J. Phys. Chem., 58, 671 (1954).

ASSOCIATION: Zakład Inżynierii Chemicznej Politechniki Warszawskiej (Poly-
Technical Institute, Chemical Engineering Department), Warsaw

SUBMITTED: May 26, 1960

X

Card 3/3

POHORECKY.

"Cost of driving with the gas pedal at the floor board." p. 564

SVET MOTORU. Praha, Czechoslovakia, Vol. 9, No. 18, Sept., 1955

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

FOHORECKY

"Testing Fuel Consumption of the JAWA 250 Motorcycle", P. 559,
(SVET MOTORU, Vol. 8, No. 18, Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

POHORECKY, V.

Spark plugs. p. 408.

SVET KOTORSKI, Praha, Vol. 9, no. 13, June 1955.

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

RDZANEK, Irena; WEYMAN-RZUCIDLO, Danuta; POHORECKA, Zofia.

Infections caused by *Trichophyton quinckeanum* (murine favus).
Przegl. dermat. 50 no.6:533-538 N-D'63

1. Z Kliniki Dermatologicznej AM w Warszawie; kierownik:
prof.dr. S.Jablonska.

*

RDZANEK, Irena; WEYMAN-RZUCIDLO, Danuta; POHORECKA, Zofia

Laboratory determination of the fungistatic activity of sera from subjects treated with griseofulvin. Przegl. dermat. 49:205-208 '62.

1. Z Kliniki Dermatologicznej AM w Warszawie Kierownik: prof. dr S. Jablonska.

(GRISEOFULVIN)

WEYMAN-RZUCIDLO, Danuta; RDZANEK, Irena; POHORECKA, Zofia

Results of griseofulvin therapy of various forms of mycoses according to material of the Dermatological Clinic of the Academy of Medicine in Warsaw. Przegł. derm. 49:213-216 '62.

1. Z Kliniki Dermatologicznej AM w Warszawie Kierownik: prof. dr S. Jablonska.

(GRISEOFULVIN)

POHORECKA, Zofia; RDZANEK, Irena; WEYMAN-RZUCIDLO, Danuta

Determination of griseofulvin sensitivity in vitro among various strains of dermatophytes isolated from treated patients. Przegł. derm. 49:201-204 '62.

1. Z Kliniki Dermatologicznej AM w Warszawie Kierownik: prof. dr S. Jablonska.

(GRISEOFULVIN)

(DERMATOPHYTES)

(DRUG RESISTANCE MICROBIAL)

POHORELY, M.

Forestry maps. p. 97

Vol. 9, no: 3, Sept. 1955
KARTOGRAFICKY PREHLID
Praha, Czechoslovakia

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

POHORELY, Milon, inž. CSc.

Contribution to the problem of the precision of compass
measurement from various positions. Les cas 10 no.24133-146
F '64

1. Ustav pro hospodarskou upravu lesu, pracoviste Brandys
nad Labem.

POHORELY, Milan, inz., ScC.

Problem of accuracy and economy of variable forest section
measurements by aerial photographs. Les cas 9 no.6:511-528
Je '63.

1. Ustav pro hospodarskou upravu lesu, pracoviste Brandys nad
Labem.

L 28378-66 EEC(k)-2/EWA(h)/EWP(j)/EWP(k)/EWT(1)/EWT(m)/FBD/T IJP(c) GG/RM/

ACC NR: AP6016053

WH/WG/WW

SOURCE CODE: UR/0185/66/011/005/0569/0570

AUTHOR: Broude, V. L.; Pohorets'kyi, P. P.; Sal'kova, K. M.; Soskin, M. S. 50
BORG: Institute of Physics, AN URSR, Kiev (Instytut fizyky AN URSR)TITLE: Stimulated Raman scattering of light by benzene in the dispersion resonator of a ruby laserSOURCE: Ukrayins'kyi fizychnyy zhurnal, v. 11, no. 5, 1966, 569-570

TOPIC TAGS: Raman scattering, ruby laser, laser emission

ABSTRACT: An investigation was made of stimulated Raman scattering (SRS) by benzene in the dispersion resonator (see Fig. 1) of a ruby laser.²⁵ In a resonator with two heavy flint glass prisms, the angular separation of the ruby emission and the Raman scattering at a frequency of 992 cm^{-1} reached 2° . The transmittivity of the mirrors was approximately 5%. A container 15 cm long with glass windows was filled with pure benzene. Q-switching was achieved by using 10-mm-thick KS-18 glass in the resonator. The ruby radiation consisted of a series of separate pulses, each with an average power close to 10 kwatt/cm^2 and a length of 500 nsec, with pump level 30% above threshold. Intensive stimulated Raman scattering was observed in the dispersion resonator during ruby generation exceeding the threshold by 10-20%. It should be noted that SRS was observed when mirror 3 was unaligned and even when it was absent. Changes in the far zone of SRS and the ruby emission behind mirror 2 when the benzene-

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ACC NR: AP6016053

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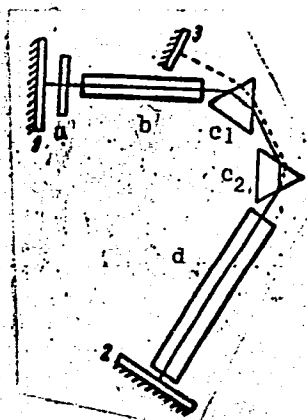


Fig. 1. Diagram of dispersion resonator

1, 2, 3 - Mirrors; a - KS-18 glass; b - ruby;
c₁, c₂ - prisms; d - benzene-filled vessel.

filled vessel was turned up to 4° (in either the horizontal or vertical plane) showed that the direction of SRS generation does not depend on the orientation of the vessel and its windows and is always perpendicular to mirror 2. When the ruby generation threshold was exceeded by 30% the efficiency of the transformation of ruby emission into SRS approached 10%. Orig. art. has: 1 figure. [JA]

SUB CODE: 20/ SUBM DATE: 07Feb66/ ORIG REF: 001/ OTH REF: 001/ ATD PRESS: 4262
Card 2/2 CC

BA

2

Stove-cases in Diffusers. J. Pohoredecki (*Gas. Cntr.*, 1981, 22, 291-298; *Eng. Ind. Abstr.*, 1981, 12, 162).--A 10% increase in the rate of flow of juice from a diffuser is claimed for an additional outflow device, via, a truncated conical sleeve with the narrow end below, hung from the lowest chain in the diffuser. The bottom projects through the lowest screen of the diffuser; the top is closed by a solid conical cap (apex at top) so that coarsities slide off sideways. J. S. Anur

POHORSKY, J.

Welding high-speed steel in the production of new tools and in repairing damaged ones, p. 155, ZVARANIE, (Ministerstvo hutneho prumyslu a rudnych bani a Ministerstvo strojarstvo) Bratislava, Vol. 3, No. 5, June 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1954

VACHEK, J.; POHORSKY, J.; KONECNY, J.

Stability of drugs. III. Homogenous catalysis in drug solutions. Cesk. farm. 13 no.1:14-23 Ja'64.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.

*

KONECNY, J.; POHORSKY, J.; VACHEK, J.

Stability of drugs. I. Stability of drug solutions from the viewpoint of reaction kinetics. Cesk. farm. 12 no.4:204-209 My '63.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.
(CHEMISTRY, PHARMACEUTICAL) (SOLUTIONS)

POHORSKY, J.; VACHEK, J.; KONECNY, J.

Stability of drugs. II. Simultaneous reactions. Cesk. farm.
12 no.10:532-536 D'63.

1. Vyskumny ustav farmacie i biochemie, Praha.

*

POHORSKY, J.

Equipment and accessories for repairing tools by welding, p. 188,
ZVARANIE, (Ministerstvo hutneho prumyslu a rudnych bani a Minis-
terstvo strojarstvo) Bratislava, Vol. 3, No. 6, June 1954

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

J. H. R. 5
JINDRA, A; POHORSKY, J.

Ion transfer in determination of alkaloid salts and galenic
preparations. Cas. cesk. lek. Ved. priloha 63 no.5-6:57-75
1950. (CMLL 20:1)

POHORSKY, J.

"Welding to slag with basic electrodes." Svaranie, Bratislava, Vol. 2, No. 12, Dec. 1953,
p. 359.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, I.C.

POMHORSKY, R.

YUGOSLAVIA / Chemical Technology. Chemical Products and Their Application. Elements. Oxides. H
Mineral Salts. Bases. Salts. Remaining
Elements, Oxides, Mineral Acids, Bases,
Salts.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 31944.

Author : Pohhorsky, R.

Inst : Not given.

Title : A Technological Investigation of the Possibility of Reprocessing the Bauxite of Herzogovina by the Bayer Method. II. Statistical Elaboration of the Results of Industrial Experiments.

Orig Pub: Kemija u industriji, 1958, 7, No 2, 39-47.

Abstract: For Report No 1, see RZhKhim, 1958, 8603.

Card 1/1

POHORSKY, V., KUSY, S.

Preparation of the job classification catalogue in the framework of the Association of Flour Mills and Bakeries. p. 189

TECHNIKA VUKUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho purmyslu a vykupu zemedelskych vyrobku a Sduzeni mlynu a pekaren)
Praha, Czechoslovakia, Vol. 5, no. 4, Apr. 1959

Monthly List of East European Accessions (EEAI), Vol. 9, no. 1, Jan, 1960

Uncl.

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

A-3

BC

Synthesis of 3-(3:4-methylenedioxyphenyl)-2-methyl-5-methyl-2-pyrrolidone. W. LAURA and J. FENCKA (Rec. Chem., 1967, 17, 228-232). 3:4-Methylenedioxyphenyl chloride and Na acetate in Et₂O, at the b.p., yield Me-3:4-methylenedioxyphenylacetate, m.p. 80-82°, converted by aq. NH₃ into Me-3:4-methylenedioxyphenylacetone, m.p. 100-102°. 3:4-Methylenedioxyphenylacetone when treated successively with Na and Et₂O yields 3-(3:4-methylenedioxyphenyl)-2-methyl-5-methyl-2-pyrrolidone, m.p. 200-202°, and this gives 3-(3:4-methylenedioxyphenyl)-2-methyl-5-methyl-2-pyrrolidone (I), m.p. 160-165°, when boiled with aq. AcOH. (I) is a yellow substantive dye for cotton and gives a color reaction with FeCl₃. R. T.

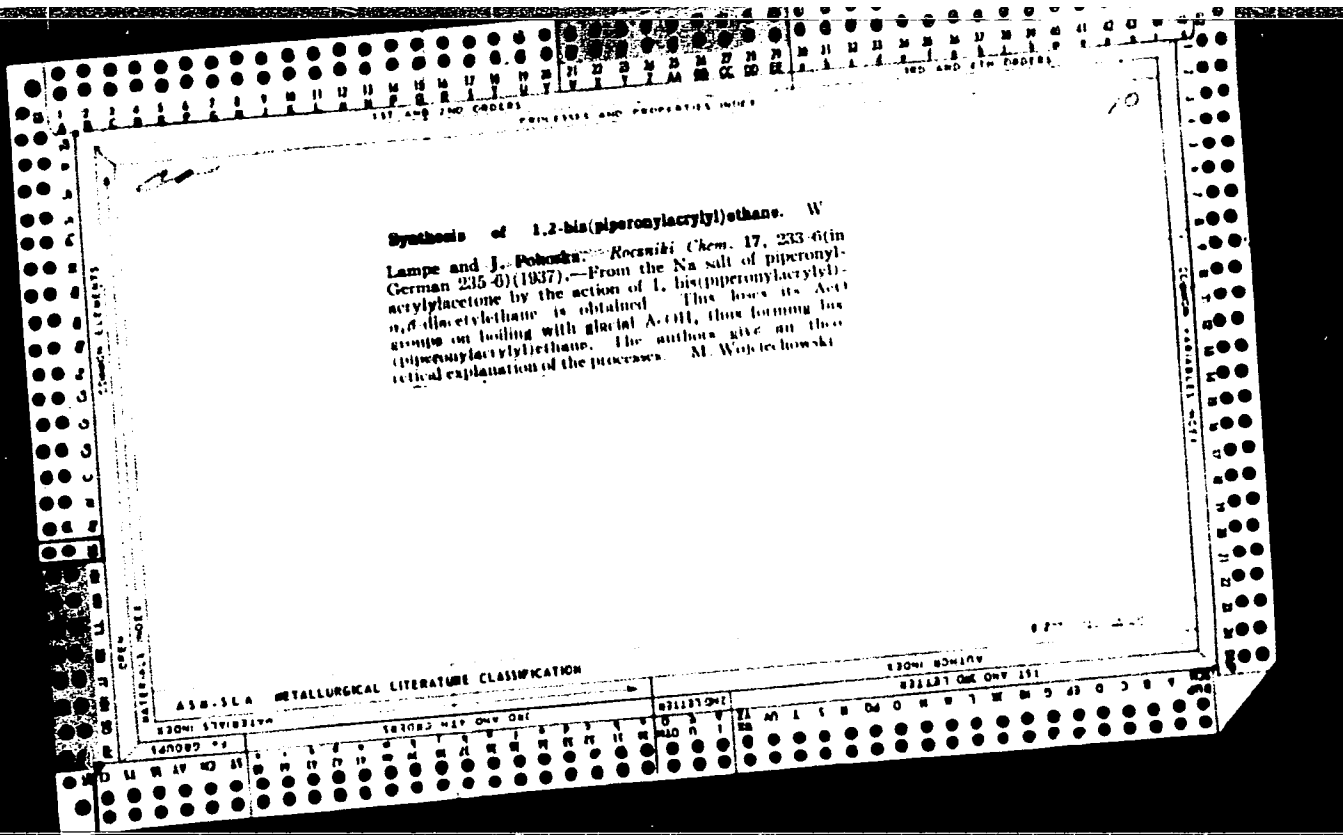
ASS-554 METALLURGICAL LITERATURE CLASSIFICATION

13041 50410V 571131Z OM ONV 111

Common elements

Common variables index

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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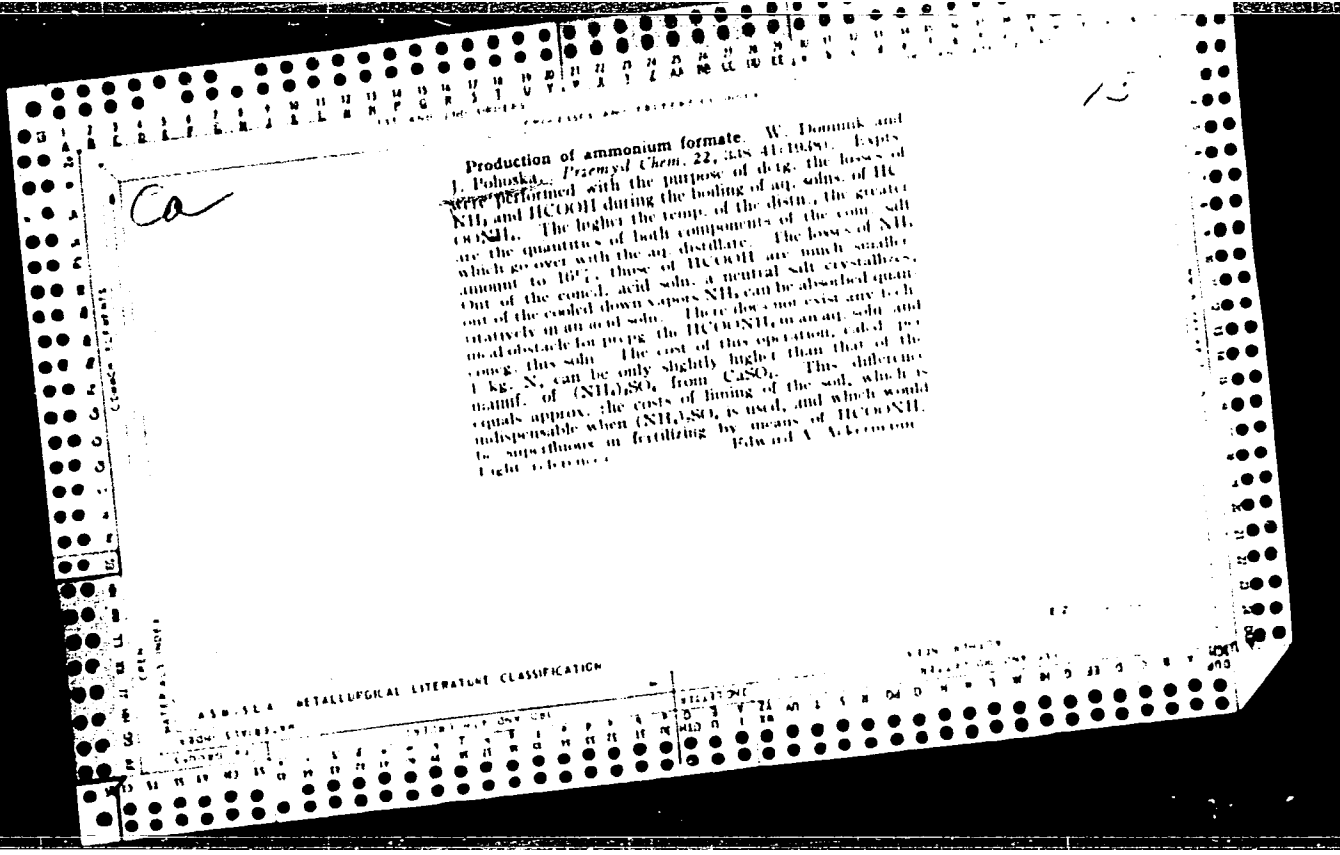
PROCESSES AND PROPERTIES INDEX
 (1) AND (2) INDEX

Preparation of ammonium formate. W. DOMENIK and J. POMORNY (Przemysl Chem., 1938, 22, 338-341).—Distillation of aq. HCO_2NH_2 (I) at 51 atm. more NH_3 than HCO_2H volatilizes. The entire HCO_2H is recovered in the condensate, whilst part of the NH_3 remains uncondensed; this is recovered by absorption in the acid mother-liquors from crystallization of (I). Under certain conditions (I) may advantageously replace $(\text{NH}_4)_2\text{SO}_4$ as a fertilizer. R. T.

METALLURGICAL LITERATURE CLASSIFICATION
 650-514

MATERIALS INDEX
 10000 20000 30000 40000 50000 60000 70000 80000 90000

REACTION INDEX
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



POHOSKA, J.

2440

545:547.233

Pohoska J. Quantitative Determination of Diethylamine in the Mixture of Ethylamine, Diethylamine and Triethylamine with Ammonia.

Ilosciowe oznaczanie dwuetyloaminy w mieszaninie jedno, dwu i trojetyloaminy z amoniakiem. Przemysl Chemiczny. No. 12, 1952, pp. 580--588, 2 figs., 2 tabs.

Polish Technical
Abstracts
No. 4, 1953
Chemistry and Chemi-
cal Technology

A method has been worked out of quantitative determination of diethylamine in the mixture of ethylamine, diethylamine and triethylamine with ammonia. The method consists in: 1) converting the basis into hydrochlorides, 2) separation of di- and triethylamine with the use of chloroform, 3) acetylation of diethylamine hydrochloride, 4) saponification of the excess of acetic anhydride with a definite quantity of water and 5) titration of the water excess with Fischer's reagent.

MF
9-14-54

POHOSKA, J.

2

P O I . 48

1546. Determination of the most frequently used vulcanisation accelerators in rubber mixtures. POHOSKA. *Przem. Chem.*, 1954, 10, 423-30. Polish with English summary. Simple and sufficiently accurate methods of identifying diphenylguanidine (DPG), tetramethyl thiuram disulphide (TMT), mercaptobenzthiazole (MBT), and dibenzthiazyl disulphide in rubber mixes are given. Methods of quantitative determination of DPG (gravimetric and volumetric), colorimetric determination of TMT using the Visomat, two methods of quantitative determination of MBT, and a method of quantitative reduction of dibenzthiazyl disulphide to MBT by using copper butyl phthalate have been worked out. About 20 references are given. 42264

PoHosKA, J.

5

4112. Identification of rubber in rubber goods.
W. CIERVINSKI and J. POHOSKA. *Przem. Chem.*
1934, 33, 143-6. In ~~English~~. Methods of detecting
synthetic and natural rubber in rubber goods are
discussed. The principle and method of carrying out
characteristic reactions for individual types of
rubber, as well as an outline of systematic analysis,
are given. Eleven references are given. 642

Imery

① ~~AP~~ ~~PK~~

POHOSKA, J.; CZERWINSKI, W.

Methods of identification of rubber in rubber goods. p. 143. (PRZEMYSŁ
CHEMICZNY, Vol. 10, No. 3, Mr. 1954, Warszawa, Poland)

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

POHSKA, J.

Determination of the most frequently used vulcanization accelerators in rubber mixtures. p. 425. (PRZEMYSŁ CHEMICZNY, Vol. 10, No. 8, Aug. 1954, Warszawa, Poland)

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

Pohoska, #I

18226* (Determination of the Most Frequently Used Vul-
canization Accelerators in Rubber Mixtures.) Oznaczenie

najczęściej stosowanych przyspieszaczy wulkanizacji w
mieszkankach surowych. I. Pohoska. *Przemysł chemiczny*, v.
10, no. 8, Sept. 1954, p. 425-430.

Methods of identifying accelerators D, T, M, and DM, and of
determining diphenyl guanidine, tetramethyl thiluram disulfide,
and mercaptobenzthiazole. Tables, graph. 18 ref.

#

POHOŠKA, J.

3
2/11/55
1

Distr: 4E2c(j)

Determination of rubber in rubber compounds. W. Czerwiński, and J. Pohoska. *Przemysł Chem.* 34, 258-61 (1955). Methods are described for the detn. of natural rubber in mixts. with synthetics, like Oppanol, Perbunan, Buna S, and Thiokol A. Natural rubber is detd. by oxidation with CrO_3 in glacial AcOH after the other compds. have been sepd. Whenever sepn. is impossible, other detns. are used in addn., like combustion in a Parr bomb, N detns., and S detns. by aid of concd. HNO_3 . Formulas are presented on methods of calcg. the amts. of natural rubber from the detns. Werner Jacobson

WJ

POHOSKA, J.

V 2068. Quantitative determination of raw rubber in vulcanised rubber. W. Czerwikowski and J. Pohoska. *Przem. Chem.*, 1956, **11**, 258-61; *Plaste u. Kautsch.*, 1956, **3**, 14. The authors review methods developed or modified by them. These are: analysis of natural rubber by oxidation with chromic acid to acetic acid; determination of chloroprene and polyvinyl chloride content by a decomposition method using sodium; determination of acrylonitrile copolymer content, calculated indirectly from nitrogen determination by the Kjeldahl method; determination of polysulphide rubber content, indirectly from the sulphur content as determined by oxidation to sulphate with nitric acid; determination of butadiene-styrene elastomer content; determination of polyisobutylene and butylene rubber content; and determination of polybutadiene content. — 6424

M.A. YOUTZ
2 copies

① RM

POHOSKI, M., dr. (Warsaw)

Social mobility in Poland. Stat szemle 43 no.1:23-38 Ja '65.

POHOSKI, R.

Fluorescence and phosphorescence spectra of fluorescein in boric acid. Bul Ac Pol mat 10 no.9:505-508 '62.

1. Department of Physics, Normal School. Gdansk. Presented by A. Jablonski.

GRZYWACZ, J.; POHOSKI, R.

Emission and polarization spectra of eosine. Bul Ac Pol
mat 11 no.8:573-576 '63.

1. Department of Physics, Normal School, Gdansk. Presented by
A. Jablonski.

POHOSKI, R.

A method of measuring the fluorescence emission anisotropy of phosphors. Acta physica Pol 23 no.3:299-304 Mr '63.

1. Physics Department, High School of Pedagogy, Gdansk.

L 60280-65 EWT(1) Pi-4 IJP(c)

ACCESSION NR: AP5017140

PO/0045/65/027/005/0763/0773

AUTHOR: Pohoski, R.

19
18
6

TITLE: Anisotropy of fluorescence and phosphorescence emission of organic phosphors

SOURCE: Acta physica polonica, v. 27, no. 5, 1965, 763-773

21

TOPIC TAGS: fluorescence anisotropy, phosphorescence anisotropy, organic phosphor, esculine, luminescence, fluorescein

ABSTRACT: The present paper investigates the dependence of the anisotropy of emission as a function of the emitted wavelength λ_{em} in organic phosphors, for fluorescence and phosphorescence separately. The measurements cover the anisotropy (r) of fluorescence and phosphorescence emission for fluorescein, esculine (β -D-glycopyranoside-6,7-dioxyumarine) and POPOP [1,4 bis 2(5-phenyloxazolyl)-benzene] in vitrous boric acid and in methyl polymethacrylate at 20C. For fluorescein, esculine and POPOP in vitrous boric acid an r(λ_{em}) dependence of the emission anisotropy was found for both fluorescence $r_{F1}(\lambda_{em})$ and phosphorescence $r_{Ph}(\lambda_{em})$. In methyl polymethacrylate solution, fluorescein and esculine yielded no $r_{F1}(\lambda_{em})$ dependence, whereas POPOP showed a decrease of $r_{F1}(\lambda_{em})$ in the long wavelength region. The emission anisotropy was measured

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ACCESSION NR: AP5017140

by a method which eliminated the influence of the light of phosphorescence (R. Pohoski, Acta Phys. Polon., 23, 299, 1963). A modification of the setup for the registration of emission anisotropy is described in considerable detail. Orig. art. has: 5 formulas, 10 figures, and 2 tables.

ASSOCIATION: Wyższa Szkoła Pedagogiczna, Katedra Fizyki, Gdansk (Department of Physics, Teacher's College)

SUBMITTED: 10Oct64

ENCL: 00

SUB CODE: OP, OC

NO REF SOV: 004

OTHER: 019

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Card 2/2

GRZYWACZ, J.; POHOSKI, R.

The phosphorescence of plexi gas phosphors in liquid air.
Acta physica Pol 26 no.3/4:393-398 S-0 '64.

1. Department of Physics, Teachers' College, Gdansk.

CZECHOSLOVAKIA

J. KONECNY, J. FCHORSKY and J. VACHEK, Pharmacy and Biochemistry Research Institute (Vyzkumny ustav pro farmacii a biochemii,) Prague.

"Drug Stability. Part 1. Stability of Drug Solutions from the Standpoint of Reaction Kinetics."

Prague, Ceskoslovenska Farmacie, Vol 12, No 4, May 63; pp 204-209.

Abstract : Essentially mathematical, didactic essay reviewing principles of study of stability and decomposition constants of solutes: kinetics, reactions of first, second and higher orders; parameters involved, factors and methods of determining influence of such. Eight graphs, many mathematical formulae; 5 Western and 1 Czech reference.

1/1

FCHORSKY, Vaclav

material incentives for middle technical cadres in the food industry. Prum potravin 35 no. 7:302-363 31 66.

SZUTS, I.,dr.; MONUS, Z.,dr.; POHR, E.,dr.

Scleroderma with visceral lesions. Orv. hetil. 96 no.50:1391-1394
11 Dec 55.

1. A Szegedi Orvostudományi Egyetem II. sz. Belklinikájának (igazgató
Czonicser Gabor dr. egyet. tanár) és Kórhelytani Intézetének
(igazgató: Korpássy Béla dr. egyet. tanár) közleménye.

(SCLERODERMA

acrosclerosis with visceral lesions, pathol. (Hun))

POHRADSKY, J.

"The Pasm Disease of Flax" p. 333 (Agrartudomány, Vol. 5, No. 11, November, 1953,
Budapest)

SO: Monthly List of ~~Books~~ ^{East European} Accessions, Vol. 3, No. 3, March ¹⁹⁵⁴ ~~1953~~, Uncl.

3520h

S/696/61/002/000/002/009
D299/D302

9,7100

AUTHORS: Dasheva Kyg, L.N., Petrabins'kyy, S. B. and Shkabara, K.O.

TITLE: Basic diagram and design principles of the digital computer "Kyyiv"

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Obchyslyval'nyy tsentr. Zbirnyk prats' z obchyslyval'noyi matematyky i tekhniky, v. 2, 1961, 8014

TEXT: The digital computer "Kyyiv", designed at the Computation Center of the Academy of Sciences of the UkrSSR, is a general-purpose machine of intermediate speed. In designing the computer, particular attention was given to high reliability, simplicity of logical circuits, compactness and simplicity in handling at sufficient speed and flexibility in solving various types of problems were also provided for. The operational principle of the computer is asynchronous; its various units are autonomous, each operating at its optimal frequency. The autonomous working of the various units makes it possible to carry out the required

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D299/D302

Basic diagram and design ...

operations in parallel, and not in series. Such an independent system of operation of the various units has the following advantages: The connection between the units is simplified; each unit is independent and can be easily checked and repaired; this facilitates the plant manufacture of the units. The units are integrated and can be replaced individually without necessitating reconstruction of the entire computer; thereby it becomes possible to design modified versions of the computer, having different features and storing capacity. The main counting and control element of the computer is the symmetrical flip-flop of triode type 6N1P (6N1P). The counters operate by means of logical elements which are controlled by the anode voltage of the flip-flops; this ensures reliability of operation. The control system is based on the voltage-pulse method, whereby to some of the inputs of the logical elements the control voltages are applied, and to the others the pulse signals. The principal logical element is a diode-transformer pulse-voltage device. The limiting operating frequency of the principal units is 500-600 kc.; the amplifiers and the blocking generators have a frequency of 500 kc.

Card 2/3

BUDINSKA, B.; POHUNEK, M.

Vaginal discharge in menopause. *Cesk. gynek.* 30 no.6:538-541
Ag '65.

I. I. gyn.-por. klin. (prednosta prof. dr. K. Elias, MSc.) a
katedra epidem. (vedouci prof. dr. V. Kubeška) fak. vseh. lek.
Karlovy University v Praze. Submitted December 29, 1964.

KOBILKOVA, J.; POHUNEK, M.; CECH, E.; SKODA, V.; CERVENKA, J.; ZAVADIL, M.

Study of the problem of cytolysis. Cesk. gynec. 29 no.1:
23-28 F'64.

I. I. gyn.-por.klin. fak. vseob.lek. KU v Praze; (prednosta:
prof.dr. K.Klaus, DrSc.); Epidemiol. odd.fak.vseob. lek. KU
v Praze (ved.: prof.dr. V.Kubelka) a II.gyn.-por.klin.fak.
vseob. lek. KU v Praze (prednosta: prof.dr.J.Lukas, DrSc.)

*

POHUNEK, M.; BUDINSKA, B. Technická spolupráce: POPELKOVA, P.

Enterococci in the etiopathogenesis of vaginal inflammation.
Cesk.gynek. 29 no.3:173-176 Ap'64

1. Epidemiol. odd.fak. vseob. lek. KU v Praze (vedouci: prof.
dr. Vl.Kubelka); I.gyn.-por. klinika fak. vseob.lek.KU v
Praze (prednosta: prof.dr. K.Klaus, DrSc.).

*

POHUNEK, M.

Bacteriological findings on money. p. 555.

ČESKOSLOVENSKÁ HYGIENA. Praha, Czechoslovakia. Vol. 4, no. 9, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

PATOCKA, Frantisek; POHUNEK, Milan, Technicka spoluprace A. Zednikova,
M. Skruzna

Changes in human microbial flora after oral penicillin, chlor-
tetracycline & oxytetracycline. Cas. lek. cesk. 98 no.12:358-364
20 Mar 59.

1. Laborator pro specialni mikrobiologii a imunologii KU, pred-
nosta prof. dr. Fr. Patocka. Epidemiologicke oddeleni fakulty
vseob. lekarstvi KU, prednosta doc. dr. Vl. Kubelka.

(PENICILLIN, eff.

on various microorganisms in man (Cz))

(OXYTETRACYCLINE, eff.

same)

(CHLORTETRACYCLINE, eff.

same)

KUBELKA, V.; SRAJBR, E.; KLIKA, E.; POHUNEK, M.; STEPANEK, J.

Some properties of the Motol virus. Postepy mikrobiol 2
no.2:185-196 '63.

1. Institute of Epidemiology, Microbiology, and Hygiene,
University, Prague.

FANTOVA, B.; FOHUNEK, M.

Treatment of trichomonal infection of the vagina by the use of
liquid cultures of Doderlein's Lactobacillus. Cesk. gyn. 25[39]
no.1/2:111-116 Mr '60.

1.1.gyn. klinika v Praze, prednosta prof. dr. K. Klaus, Dr. Sc.,
Epidem. odd. FVL KU v Praze, prednosta doc. dr. Vl. Kubelka.
(LACTOBACILLUS)
(VAGINA dis.)
(TRICHOMONAS INFECTIONS ther.)

FANTOVA, B.; KOBILKOVA, J.; POHUNEK, M.

Possible vaginal cytology in colpitis. Cesk. gyn. 25[39] no.1/2:
124-127 Mr '60.

1. I. gynecologicka klinika LFUK v Praze, prednosta prof. dr. K.
Klaus, Dr. Sc. Epidemiologicke oddeleni LFUK, prednosta doc. dr.
Vl. Kubleka.

(VAGINAL SMEARS)
(VAGINITIS diag.)

POHUNEK, Milan

Streptococci antagonizing the vaginal lactobacillus. J. hyg. epidem.,
Praha 5 no.3:267-270 '61.

1. Department of Epidemiology, Medical Faculty, Charles University,
Prague.

(STREPTOCOCCUS) (LACTOBACILLUS)
(VAGINA microbiol)

POHUNEK, Milan; FANTOVA, Bozena

Etiopathogenic and epidemiologic relations in vaginal infections.
Cesk. gyna. 26[40] no.4:248-251 '61.

1. Epidemiologicke oddeleni FVLKU v Praze, prednosta doc. MUDr. V.
Kubelka I. gynecologicke-porodnicka klinika v Praze, prednosta prof.
prof. MUDr. K. Klaus, Dr. Sc.

(VAGINA dis)

SEBEK, V., Doc; FANTOVA, B.; GREGOROVA, E.; JERABKOVA, V.; PAUKOVA, A.;
PETER, R., Prof., Dr.Sc.; POHUNEK, M.; REPISTAK, J.; VOJTA, M. doc.

Treatment of vaginal discharges in adult women. Cesk. gym. 26[40]
no.4:260-265 '61.

(LEUKORRHEA ther)

POHUNKOVA, Dagmar

Zdravotnicka osveta v zavodech. (Health Education in Enterprises. 1st ed. Bibl., notes) Prague, Ustav zdravot. osvety, 1957. 43 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 36. 15 Oct 57. p. 783.

KLIKA, E.; POHUNKOVA, H.

Mesothelial reactivity of rat peritoneum. Cesk. morf. 13 no.2:
187-190 '65

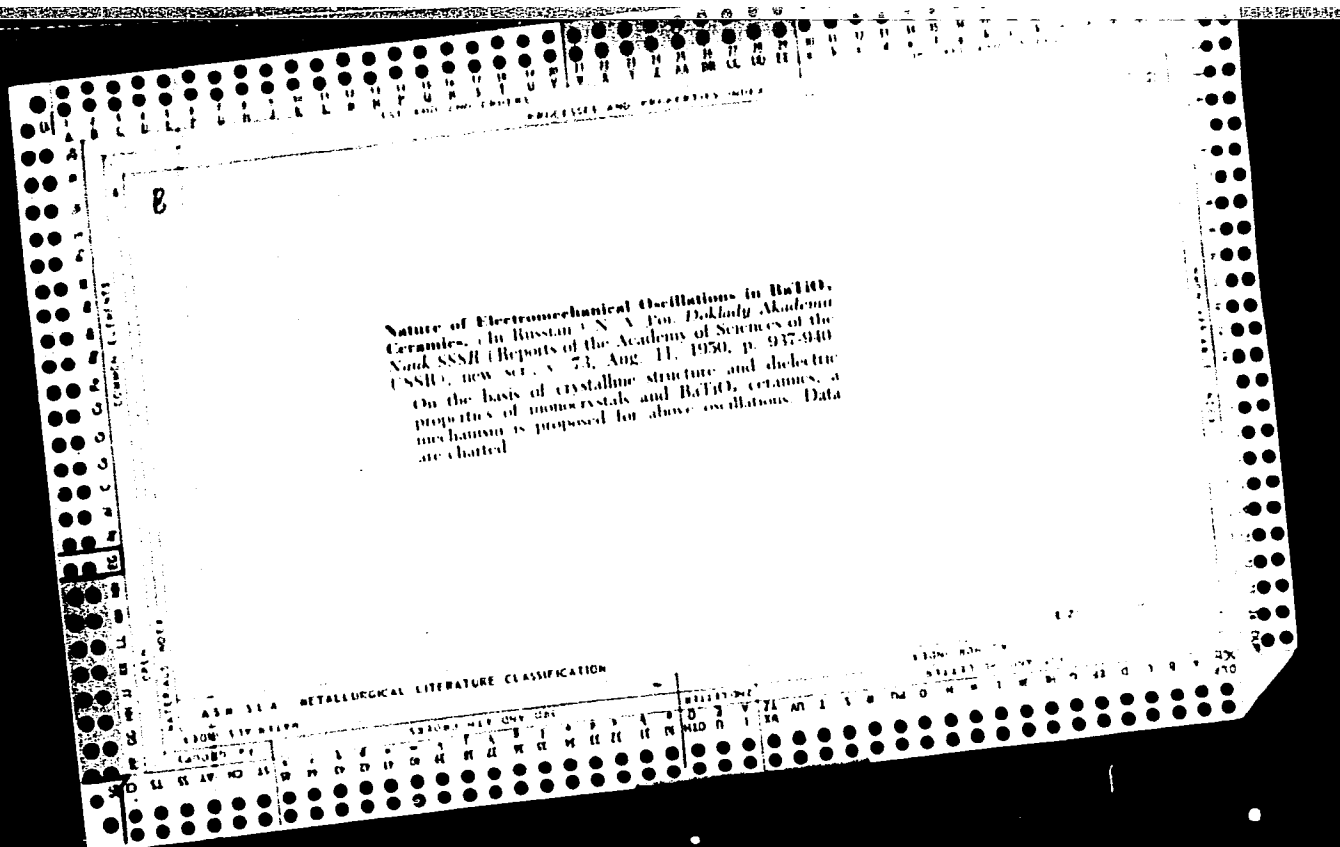
1. Institute of Histology, Faculty of Medicine, Charles' University, Prague.

POHWALNSKY, F.

D.

" A New variant of the method of development of acid nineaqueous sulphate of ferric oxide $Fe_2O_3 \cdot 4SO_3 \cdot 9H_2O$." by N. W. Shishkin, W. I. Stirov, and E. D. Pohwalensky. (p. 978)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1946, Volume 18, No. 7



~~POIARKOV, A.S.~~; VLADIMIROV, B.M., retsenzent; SMELOVA, N.A., retsenzent;
AKSENOVA, I.I., red.; SHAPENKOVA, T.A., tekhn. red.

[General technology of asbestos fiber spinning] Obshchaia tekhnologia priadenia asbestovogo volokna. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1961. 256 p. (MIRA 15:3)
(Asbestos) (Spinning)

POIARKOVA, L. V.

POIARKOVA, L. V. and SOLOV'YEVA, A. I. Fusarium Wilt (F. vasinfectum of Egyptian Cotton,
1945

SO: SIRA SI 90-53, 15 Dec. 1953

1199. USE OF NATURAL GAS FOR LOCOMOTIVES. Poide, An and Mironov, A. (Zheleznodorozhni Transport, 1946, No. 11/12, 69-71; Engrs' Dig., Nov. 1947, 9, 370). The construction of natural gas pipe lines in the vicinity of railway lines has created favourable conditions for the employment of this gas as locomotive fuel in Russia. To adapt a locomotive to natural gas fuel, a special tender to carry the gas bottles must be provided. The design of such a tender is well advanced, and it is intended to employ an operating gas pressure of 80kg. per sq. cm. The operation of a diesel with mixed fuel (gas plus oil) is based on the difference in the respective ignition temperatures of oil-air and gas-air mixtures. Through the inlet valve a prepared mixture of gas and air is admitted which has a high temperature of self-ignition. Towards the end of the compression period a small quantity of oil (10-15 per cent of the oil normally injected in full diesel operation) is injected. This oil ignites and causes combustion of the entire mixture contained in the cylinder.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

COMMON ELEMENTS

COMMON VALENCE INDEX

OPEN

MATERIALS INDEX

3RD ORDER

2ND ORDER

1ST ORDER

GROUP

CLASSIFICATION

3RD ORDER

2ND ORDER

1ST ORDER

GROUP

POIDO, A. A.

Diesel locomotives; a textbook. Moskva, Gos. transp. zhel dor. izd-vo, 1949. 474 p.
(Uchebniki dlia shkol mashinistov lokomotivov) (50-50590)

TJ619.265

POIK

HUNGARY/Analytical Chemistry: Inorganic Analysis.

E

Abs Jour: Ref. Zhur.-Kimiya, No 12, 1958, 39407.

Author : Nad', Poik.

Inst : Not given.

Title : A Spectral Determination of Trace Amounts of Elements
in Natural Waters.

Orig Pub: Magyar Kem. Polyoirat, 1957, 63, No 11, 297-302.

Abstract: A quantitative and semiquantitative analysis of dry residues from natural waters by the method of logarithmic sector is described. The spectra are excited in an arc discharge and photographed on a medium spectrograph. Determinations are made for: Ag, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sn and V. Be or Au are used as standard elements. Good results are obtained only in the absence of large amounts of salts in waters under analysis.

Card : 1/2

57

ARUKSAAR, H.; LIIDEMAA, H.; MARTIN, I.; MÜRK, H.; NEI, I.;
PÕIKLIK, K., REHEMAA, V., red.

[General meteorology and agrometeorology] Üld- ja
agrometeoroloogia. Tallinn, Eesti Raamat, 1964. 765 p.
[In Estonian] (MIRA 18:7)

POIGIN, A.V.

GOTLIB, Ye.A., inzhener; POIGIN, A.V., inzhener; SHENDEREY, A.I., inzhener.

Experience in welding pipes. Elek.sta. 28 no.9:78-79 S '57.
(MIRA 10:11)

(Pipe--Welding)

POIKLIK, Karl; PEDAJA, V., red.; ODAMUS, A., tekhn. red.

[What the corn grower should know about the weather] Mida peab
teadma ilmast maisi kasvatamisel. Tallinn, Eesti riiklik kir-
jastus, 1962. 30 p. (MIRA 15:6)
(Corn (Maize)) (Meteorology, Agricultural)

POIKORNY, A. MATCUSEK, M.

The possibility of cement saving in the production of concrete building materials mixed with cinders. p.87 (Nova Technika, Vol.2, no.3, Mar. 1957) Praha

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, No. 7, July 1957. uncl.

Bi/ich

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71155

Author : Kreindler, Dabizha, Poilich, Fradis

Title : Complex Method of Study of Human Nervous Activity.

Orig Pub : Zh. med. nauk. Akad. RNR, 1956, 1, No 1, 103-130

Abstract : A complete description of every component of the complex method (plehysmography, motor-verbal method, and association experiment are given), with a detailed description on indicators which can be used for the evaluation of the different aspects of higher nervous action. Illustrations are given as well as physiological treatment of curves. In spite of some schematic treatment, the combination of these three methods permits a modicum of evaluation of subcortical differentiation of the first and second signal systems of the cortex.

Card 1/1

- 99 -

Poiligel, I.

GRIGHEL, E.; CHIVU, V.; POILIGEL, I.; LAZAR, D.; COSTA-FORU, D.

Effect of experimental convulsion on renal volume and secretion. Bul. stiint., sect. med. 6 no.3:663-685 July-Sept 54.

1. Comunicare prezentata de S.Iagnov, membru corespondent al Academiei R.P.R. in sedinta din 18 noiembrie 1952.

(KIDNEYS, physiology

eff. of exper. convulsions, in dogs)

(CONVULSIONS, experimental

eff. on renal volume & secretion, in dogs)

POILICI, I
KREINDLER, A. academician ; DABIJA, Gh; POILICI, I; FRADIS, A.

Complex method of study of higher nervous activity in humans.
Bul.stiint.,sect.med. 6 no.4:937-967 Oct-Dec '54 (MLRA 8:8)

(CENTRAL NERVOUS SYSTEM, physiology
higher nervous funct. investigation methods)

(PLETHYSMOGRAPHY
in investigation of higher nervous funct.)

(REFLEX, CONDITIONED
motor, in investigation of higher nervous funct.)

(THINKING
verbo-verbal association, in test of higher nervous
funct.)

POYLICHI, I. [Poilici, I.]; MARINKESKU, K. [Marinchescu, C.];
MARCOVICH, G. [Marcovici, G.]

Dynamics of vascular and respiratory disorders in the acute
stage of cerebral blood circulatory disorder. Nauch. trudy Inst.
nevr. AMN SSSR no.1:284-293 '60. (MIRA 15:7)

1. Institut nevrologii imeni Pavlova Akademii Rumynskoy Narodnoy
Respubliki, Bukharest.

(CEREBROVASCULAR DISEASE) (RESPIRATION)

VOICULESCU, V.; POILICI, I.

Sensitive and motor disturbances due to dysdirectional regeneration
in lesions of the facial nerve. Rumanian M Rev. no.3:n.p. J1-S '60.
(FACIAL PARALYSIS compl.)

Paine, W.

2860

629.129+628.02

Paine W. Raising m/s „Seeburg”.

„Podniesienie m/s „Seeburg”. Technika i Gospodarka Morska. No. 11, 1954, pp. 327—331, 17 figs. PH

Description and dimensions of the ship, history of the wreck, records of the position of the wreck — 32 m. below sea level, covered by a 14 m. layer of loamy and clayey ground. It was found that the force required to raise the ship was in the vicinity of 11000 tons. The centre of gravity co-ordinates were determined for the length and height of the wreck. The initial scheme for raising the wreck proposed the use of 32 pontoons of total effective load displacement of 7500 tons, and emptying air-tight storing rooms. New expansion tables were used for divers working at an average depth of 36 m. Using these tables, over 10000 dives were made. Rationalised methods, initiated by the crews of the ships „Smok” and „Swiatowid” which took part in salvage operations, were applied to digging out the wreck and cutting the decks. History of three raising operations on „Seeburg” attempted in 1953. Addition of 11 pontoons (total load displacement increased to 12910 tons), and successful raising of the wreck on the 6th June of 1954.

POINC, Witold, Kpt. z.w. (Gdansk)

Fixing the revenue for the recovery of a sunken vessel in
the light of up-to-date practice. Tech gosp morska 13
no.12:360-362 D'63.

P. INC. W.

FOINC, W.

Problems of the international and Polish marine salvage bodies.

p. 301 (Technika I Gospodarka Morska) Vol. 7, N^o. 10, Oct. 1957, Gdansk, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EFAI) LC, VOL. 7, NO. 1, JAN. 1958

DIMA, M.; SCONDAC, I.; POINESCU, Ig.; CARPOV, A.; COTRUT, Gh.V.

Polyelectrolytes from aliphatic vinyl polymers. Pt. 1.
Studii chim Iasi 14 no. 2:233-253 '63.

1. Section of Physicochemistry of Polyelectrolytes, "Petru Poni"
Institute of Chemistry, Rumanian Academy, Iasi Branch.

POINESCU, Ig.; SCONDAC, I.; DIMA, M.

Polyelectrolytes on the base of aliphatic vinyl polymers.
Pts. 2-3 Studii chim Iasi 14 no. 2:255-279 '63.

1. Section of Physicochemistry of Polyelectrolytes, "Petru
Poni" Institute of Chemistry and Physics, Rumanian Academy,
Iasi Branch.