

YUGOSLAVIA/General Division - History. Classics. Personalities. A-2

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25689

Author : Kispatic, Josip

Inst :

Title : In Memoriam of Professor Dr. Gustav Gassner

Orig Pub : Zashchita bilya, 1955, No 30, 114-115

Abst : No abstract.

Card 1/1

SPIZEK, J.; MALEK, I.; DOLEZILOVA, Libuse; VONDRACEK, M.; VANEK, Z.

Metabolites of *Streptomyces noursei*. Part IV and V. Folia
microbiol. 10 no.5:259-266 S ' 65.

1. Department of Biogenesis of Natural Products Institute of
Microbiology, Czechoslovak Academy of Sciences, Prague 4, and
Antibiotics Research Institute, Roztoky near Prague. Submitted
August 3, 1964.

FUZA, M.; SUCHY, J.; CUDLIN, J.; VONDRACEK, M.; VANEK, Z.

Metabolites of *Streptomyces noursei*. II. Formation of amides of branched aliphatic acid in *Streptomyces noursei*. *Fol. microbiol. (Praha)* 10 no.1:60-62 Ja '65

1. Department of Biogenesis of Natural Substances, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 4 and Research Institute for Antibiotics, Roztoky near Prague.

VONDRACEK, MILOSLAV

Vondracek, Miloslav Navody pro organicke laboratore pro pokrocile (organicka analyza)
(Vyd. 1.) Praha, Statni pedagogicke nakl., 1952. 138 p. (Ucebni texty vysokych skol)
(Instructions for laboratory experiments in organic chemistry (organic analysis) for
advanced students. Bibl., diags.)

SO: Monthly List of East European Accessions, L. C. Vol. 3 No. 1 Jan. '54 Uncl.

~~Antistat VON BUCHER~~

Esters, amino esters, and amides of penicillin. MURRAY, J. R. and J. J. BUCHER. Czech. 85 192. The synthesis of penicillin G with a 100% yield is more easily controlled. 2.5 g of a 10% solution of penicillin G in water was mixed with an equal suspension of 2.44 g of a 10% solution of sodium nitrate in water until dissolved. The mixture was treated with 2 ml of 10% HCl solution. The mixture was mixed well and stood 3 hrs at 25°C. After shaking with phosphate buffer at pH 7.5 the HCl layer was diluted with 30 ml of water acidified with HCl to pH 3.5, and the aq. phase immediately lyophilized. The resulting dry material crystallized from Me₂CO yielded 6.7 g of the isothiazolidine ester hydrochloride of 1, m. 142°. Similarly, the HCl salt of 165° was obtained. L. J. Urbánek

DOSKOCHILOVA, D. [Dorskocilova, D.]; VONDRACHEK, M. [Vondracek, M.]

Micromethods of identifying and studying antibiotic substances from actinomycetes; chromatographic and electrophoretic methods. Antibiotiki 6 no.7:649-659 JI '61. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut antibiotikov, Rostoki u Pragi.

(ANTIBIOTICS)
(ELECTROPHORESIS)

(ACTINOMYCES)
(PAPER CHROMATOGRAPHY)

DOSKOCHILOVA, D. [Dokocilova, D.]; VONDRACHEK, M. [Vondracek, M.]

Micromethods for identifying and characterizing antibiotic substances from actinomycetes; identification of antibiotics by means of infrared spectra. Antibiotiki 6 no.8:738-751 Ag '61. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut antibiotikov, Roztoki u Pragi.
(ANTIBIOTICS) (SPECTRUM, INFRARED) (ACTINOMYCES)

VONDRACEK, O.

"A Study on the Color of Wine." p. 215 (PRUMYSL POTRAVIN, Vol. 4, No. 5, 1953) Praha, Czechoslovakia

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

VONDRACEK, Otakar

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
The Fermentation Industries

The vinegar vat process. ¹ Otakar Vondráček. *Chem. List* 41, 210-14(1947).—Changes in vinegar concn, in the consumption of O, and in the evolution of CO₂ were followed during the 8-day period of vinegar production in vats. The course of the process and the concn. variations of AcOH during the working period are given. M. Hudlický

VONDRAČEK, MILOSLAV

Preparing sparingly soluble salts of chlortetracycline with amines. Milan Dobna, Miloslav Vondraček, and Jitka Vondračková. Czech. 85161. Dec. 1, 1965. To 5.0 filtered fermentation product containing chlortetracycline, 100 ml of 10% aqueous solution of sodium acetate is added. The mixture is stirred for 10 min. The precipitate is filtered and washed with 5% aqueous ammonium carbonate. After suspending the ppt. in 2 ml of 5% NaOH the ppt. is filtered and prepd. for the subsequent conversion to a sol. salt of 1. J. Dobna.

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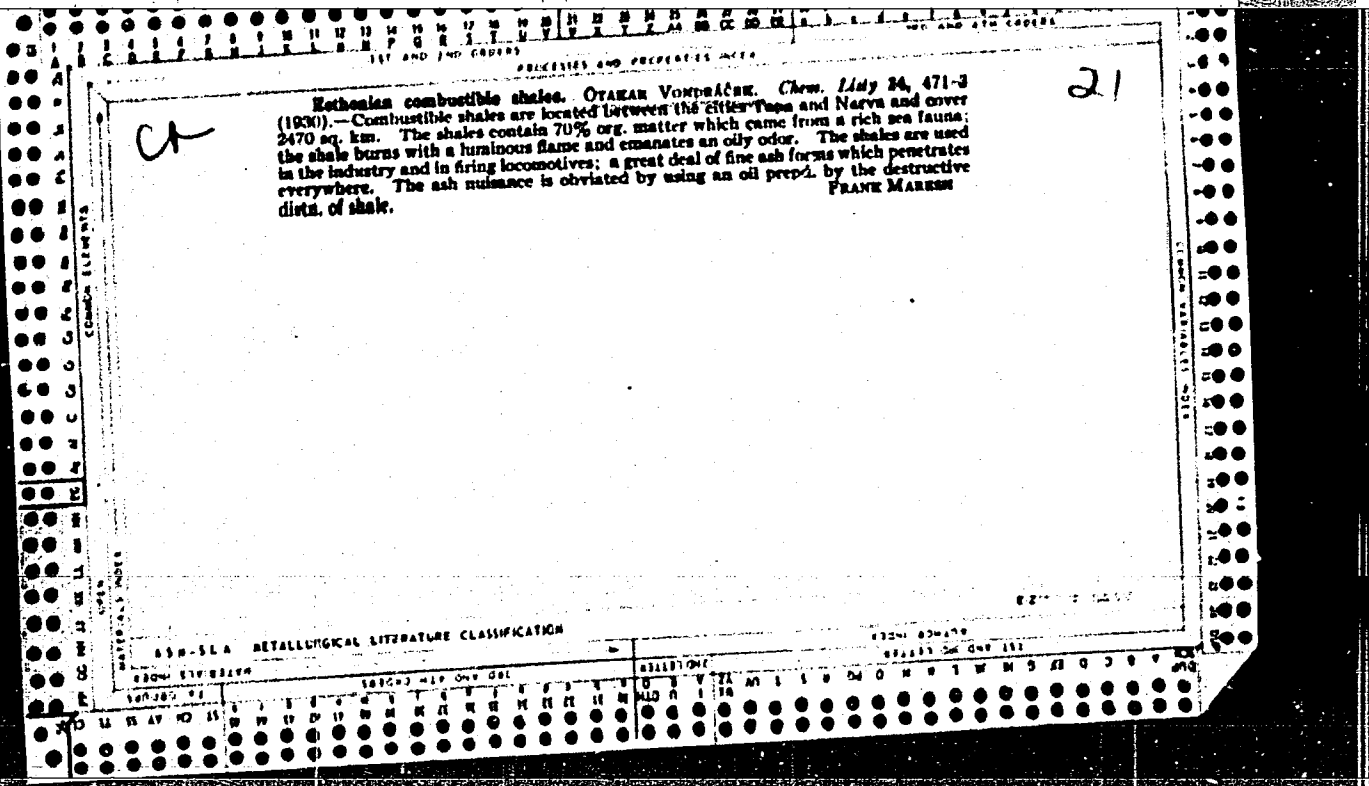
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PROCESSES AND PROPERTIES INDEX

Determination of hygroscopic properties of coal. R. VONDRÁČEK AND L. MOSEK. *Collection Czechoslov. Chem. Comm.* 3, 81-92 (1931).—Various methods for detg. the hygroscopic properties of fuels are described. In static methods the fuel is allowed to remain in contact with an atm. whose vapor pressure is known, and the H₂O content is detd. after equil. is reached. By detg. the H₂O at different vapor pressures for a given temp., a curve is obtained which follows the equation $A - (A - a)^n = nhp$, where A is the original moisture, a the residual moisture at the vapor pressure p , and n and h are const. In the dynamic method the rate of *losing* moisture under varying conditions is detd. The variation, as a function of time, is given by $(H - a)^n - H^n = mkt$, where H is the total moisture content, a the amt. evapd. in time t and m and k are const.

E. G. VAN DER BOECHE

ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION

FROM 177-03174

COLLECTION

FROM 034177

COLLECTOR ONE 131

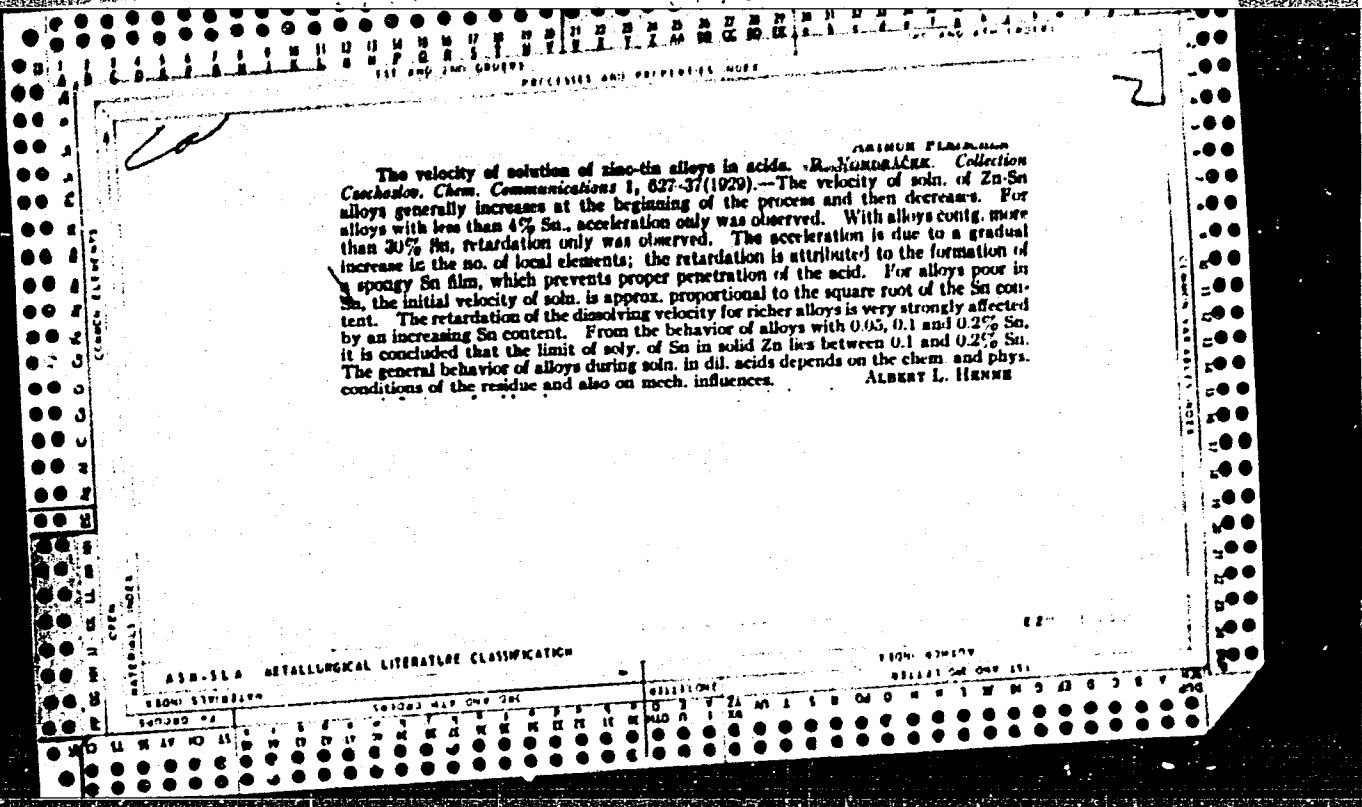
21

PROPERTIES AND PROPERTIES INDEX

Determination of hygroscopic properties of coal. R. VONDRACEK AND L. MOHANDS.
Collection Czechoslov. Chem. Commun. 5, 81-92 (1931).—Various methods for detg. the
 hygroscopic properties of fuels are described. In static methods the fuel is allowed to
 remain in contact with an atm. whose vapor pressure is known, and the H₂O content is
 detd. after equil. is reached. By detg. the H₂O at different vapor pressures (or a given
 temp.), a curve is obtained which follows the equation $A^2 - (A - a)^2 = kh\beta$, where A is
 the original moisture, a the residual moisture at the vapor pressure β , and k and h are
 constants. In the dynamic method the rate of losing moisture under varying conditions is
 detd. The variation, as a function of time, is given by $(H - s) - H - s = kh\beta t$, where
 H is the total moisture content, s the amt. evapd. in time t and k and h are constants.
 K. O. VANDER BEEK

METALLURGICAL LITERATURE CLASSIFICATION

481111 Oct 04 1931



13C d-1

PROCESS AND PROPERTIES INDEX

Binary systems of phenol with some hydrocarbons. Š. VONDRAČEK (Coll. Czech. Chem. Comm., 1937, 9, 108-173).—The observed crit. solution temp. and the % of hydrocarbon are *n*-C₇H₁₆, 56.6°, 53.0%; *iso*-C₇H₁₆, 60.05°, 51.2%; *n*-C₈H₁₈, 52.0°, 52.2%; *iso*-C₈H₁₈, 57.2°, 50.4%; *n*-C₉H₂₀, 52.0°, 51.5°. The peritectic point temp. rises slightly (31.6–34.2°) with increasing mol. wt. of the paraffin. The solubility of cryst. PhOH in the hydrocarbons at 20°, 25°, and 30° has been determined and shown to depend only slightly on the mol. wt. of the hydrocarbon. Methylcyclohexane and liquid PhOH are miscible in all proportions. C. R. H.

METALLURGICAL LITERATURE CLASSIFICATION

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B-I-3

150

PROCESSING AND REPRODUCTION

Separation of hydrocarbon mixtures by means of phenol. R. VONBRADEN and J. DOERFL (Chem. Listy, 1929, 41, 13-15). Benzene fractions (3 cuts) are arranged in a series of increasing d, and the series is extracted successively with the same portion of 25% PhOH. The extraction is repeated with fresh portions of PhOH until the vol. of the first fraction is reduced to half, when the procedure is continued similarly, beginning with the 2nd, 3rd, etc. members of the series. The residues and extracted hydrocarbons are then examined separately. The method gives good separation of cyclic from paraffinic hydrocarbons. n- and iso-C₆H₁₄ and C₇H₁₆, γ-methylpentane, cyclohexane, methylcyclohexane, C₈H₁₈, and Ph₂ were identified in the fractions. R. T.

METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROCEDURES

ca Assay of calcium carbide and Czechoslovakian standards. R. VONDRÁČEK.
Chem. Listy 24, 193-7(1931).—The provisional Czechoslovakian standards *TRAVNÍ ÚV*
of a modified Caro's app. for the assay of CaC₂; this method is not exact, and an app.
giving more accurate results is described. The yield of C₂H₂ should not be given in
cc. of moist gas, as the Gay-Lussac formula is only applicable to dry gases. The expl.
error in the assay of carbide should not exceed 2%. H. C. A. 7

ASS-314 METALLURGICAL LITERATURE CLASSIFICATION

1931-1935

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Ca

10

Separation of hydrocarbons by distillation with phenol or with aniline. R. Vomirtek. *Collection Czechoslav. Chem. Commun. 9, 521-4 (1937)*.--Distn. with phenol or aniline is more efficient in the sepn. of a mixt. of hexane, nethylocyclopentane and benzene than is the use of selective solvents. Arthur A. Vernon

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

10000 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

CA

27

The separation of hydrocarbon mixtures by means of phenol. R. Vondrušek and Josef Dvořák. *Chem. Listy* 31, 16-20 (1917). -Hydrocarbons having almost identical b. pt. or forming an azeotropic mixt. cannot be sep'd by fractional distn. Because of the high soly. of aromatic hydrocarbons in phenol, V. and D. used phenol to ext. cyclic compounds. The fraction b. 60-110° was fractionated into cuts differing in b. p. by 2°. The fraction b. 67-70° was extd. with 200-cc. portions of 5% phenol until about half of the original fraction remained. The phenol washings were used successively to ext. the fraction b. 60-71°. The residues not sol. in phenol were combined, fractionally distd., redistd. with phenol, and redistd., yielding pure n-hexane, d. 0.6605, sp. 1.3755, b. 68.7°. Phenolic extn. of the fractions b. 61-3° and 63-5° left pure 2-methylpentane, the fraction b. 80.5-91.0° left 2-methylcyclohexane, the fractions b. 80-91° to 101-103° left n-heptane. Other fractions yielded small quantities of 3-methylpentane, cyclohexane, benzene and 2-methylhexane. In spite of the long, tedious shakings and extn., the method is shorter and simpler than sep'n. by distn. of the Br, NO₂, or SO₂ deriva. of the hydrocarbons. Extn. with trichloro was less selective than with phenol; the soly. of hydrocarbons in trichloro solns. is about 3 times that in phenol solns.

Frank Matresh

ASD-51A METALLURGICAL LITERATURE CLASSIFICATION

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BC a-1

Solubility of hydrocarbons in mixtures of phenol and water. E. Youngling and J. Dorr. (Coll. Czech. Chem. Comm., 1936, 8, 553-560).— The solubilities of n-hexane, n-heptane, β -methyl-pentane, methylcyclohexane, and $C_{10}H_{16}$ in PhOH-H₂O mixtures of varying composition have been determined at 20° and 30°. E. S. H.

A.S.A. METALLURGICAL LITERATURE CLASSIFICATION

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(17 AND 18 USES)
PROCESSED AND PROPERTIES MODE

B-I-2

Determination of the hygroscopic properties of coal. B. Young (Eng and L. Moore (Coll. Czech. Chem. Comm., 1931, 3, 81-92).—The static and dynamic methods of determining the hygroscopicity of coal are described. By consideration of previous results obtained by the static method with different types of coal the equation $A - (A - a)^e = atp$, where A is the initial humidity and a the humidity at vapour pressure p , and a and b are constants characteristic of the type of coal, has been derived. Experiments on the rate of dehydration of lignite at the ordinary temperature over sulphuric acid in stationary and moving air and in vacuo are described. The results accord with the theoretical equation $(H - s)^m = (H^0 - s)^m - mt$, where H is the total moisture content, s the loss during time t , and m and b are constants. The value of m is independent of the method of desiccation and increases from about 1.1 at 25° to 1.9 at 60°, falling again to 0.75 at 100°; b increases continuously with rise of temperature and varies with the method of desiccation.

H. F. GILLER

ASS. SIA METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROPERTIES INDEX

BC

SI 2

Determination of calorific value of coal. R. Young (Chem. Listy, 1933, 26, 45).—Moravec's formula (R. 1933, 87) are criticized. R. Tapanzowski.

COMMON ELEMENTS

MATERIALS INDEX

ASB-514 METALLURGICAL LITERATURE CLASSIFICATION

SECTION DIVISION

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CR

Binary systems of phenol with some hydrocarbons.
R. Xandriak - Collection Czechoslov. Chem. Commun. 9,

109-75(1967) (in English); cf. C. A. B. 3209. - The following data are obtained for binary systems of purified PhOH, m.p. 40.8°, with, resp., pentane, isopentane, hexane, 2-methylpentane and heptane. The hydrocarbons were obtained from naphtha by chem. treatment and fractional distn., and had b. ps. 28.1°, 35.9°, 68.7°, 69.5° and 98.1°, and n_D^{20} 1.3555, 1.3923, 1.3732, 1.3720 and 1.3870, resp. Crit. temp. of soln. 50.6°, 60.05°, 62.0°, 67.2°, 82.0°; wt. % hydrocarbon 51.0, 51.2, 52.2, 50.4, 51.5; the maxima are well defined. Peritectic-point temp. (solid PhOH and 2 liquid phases) 31.0°, 31.9°, 33.1°, 34.15°, 34.2°; wt. % by hydrocarbon in liquid phase A 10.0, 18.8, 20.4, 10.0, 10.0; in phase B 88.5, 90.0, 87.4, 88.0, 88.0. Soly. of PhOH in each hydrocarb., in wt. %, at 20° 4.0, 3.0, 3.5, about 3.5, 3.5; at 25° 0.3, 4.7, 5.1, 5.0, 5.5; at 30° 10.2, 8.2, 8.0, 8.0, 8.8. Freezing temp. of PhOH with 5 wt. % hydrocarbon 37.2°, 37.2°, 37.5°, 37.0°, 37.0°; with 10% 31.8°, 31.5°, 35.2°, 35.0°, 35.8°; with 15% 32.8°, 32.0°, 31.5°, 34.2°, 34.5°. The critical temp. of soln. of a petroleum fraction, b. 240.5°, $d. 0.822$, is similar, 54.3°, indicating little change with mol. wt. in the paraffin series. Methylcyclohexane, like C₆H₁₂, is sol. in PhOH in all proportions even when the mixt. is supercooled 10°; the f.-p. curve falls gradually to 24.3° for 25% PhOH, then drops sharply. H. A. Beatty

ASM-ISA METALLURGICAL LITERATURE CLASSIFICATION

E2

B-I-8

EC

Analysis of calcium carbide. R. Jounsson
(Chem. Listy, 1931, 25, 10-14).--Polymical against
Herice (cf, preceding abstract). B. Tauszkowski.

ASM-560 METALLURGICAL LITERATURE CLASSIFICATION

| SECTION | SUBSECTION | CLASSIFICATION | INDEXED | ABSTRACTED | REPRODUCED |
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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

1ST AND 2ND EDGES
100 AND 6TH EDGES

PROCESSES AND PROPERTIES INDEX

COMMON ELEMENTS

GENERAL INDEX

ASAP-516 METALLURGICAL LITERATURE CLASSIFICATION

7

CR

The normalization of analytical methods for testing calcium carbide. R. VON DRÄCK. *Chem. Listy* 25, 10-3(1931); cf. *C. A.* 25, 1455. --A further critical review of methods used in the analysis of CaC₂.
FRANK MARSH

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

3^c A-1

Velocity of dislocation is directly related to the amount of strain rate sensitivity. The higher the strain rate sensitivity, the higher the velocity of dislocation. This is because the higher the strain rate sensitivity, the higher the energy barrier for dislocation motion. The higher the energy barrier, the higher the velocity of dislocation.

From the above it is concluded that the rate of work hardening of this metal is high, and that the rate of work hardening is proportional to the square root of the strain rate.

Support for this view was derived from a microscopic examination of these alloys. J. G. A. G. G. G.

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

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| SEARCHED | INDEXED | SERIALIZED | FILED |
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110-110000-00002

21

CA

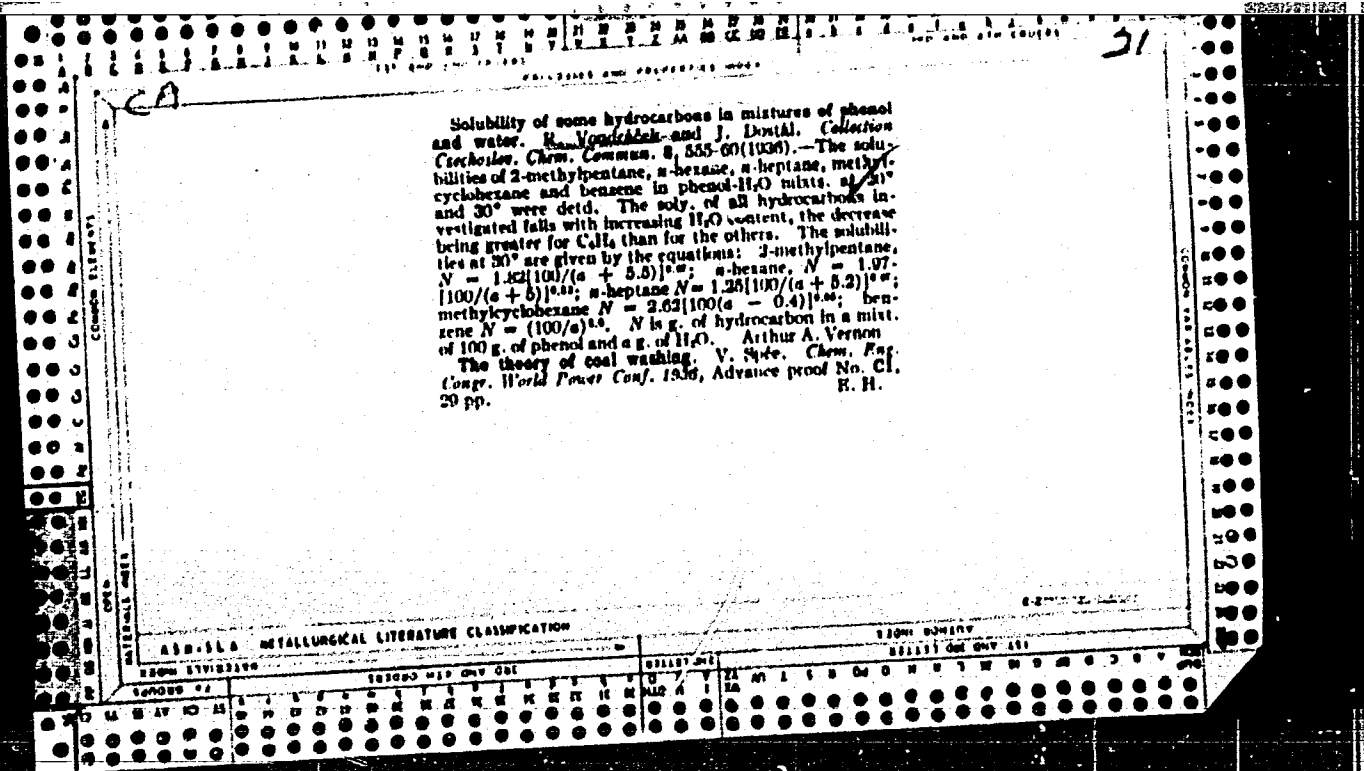
Solubility of some hydrocarbons in mixtures of phenol and water. R. Vondra and J. Dostal. *Collection Czechoslov. Chem. Commun.* 8, 555-60(1936).—The solubilities of 2-methylpentane, n-hexane, n-heptane, methylcyclohexane and benzene in phenol-H₂O mixts. at 20° and 30° were detd. The soly. of all hydrocarbons investigated falls with increasing H₂O content, the decrease being greater for C₁₁ than for the others. The solubilities at 30° are given by the equations: 2-methylpentane, $N = 1.82[100/(s + 5.5)]^{1.0}$; n-hexane, $N = 1.97[100/(s + 5)]^{0.81}$; n-heptane $N = 1.25[100/(s + 5.2)]^{0.6}$; methylcyclohexane $N = 3.53[100/(s - 0.4)]^{1.0}$; benzene $N = (100/s)^{1.0}$. N is g. of hydrocarbon in a mixt. of 100 g. of phenol and s g. of H₂O. Arthur A. Vernon. The theory of coal washing. V. Spée. *Chem. Eng. Congr. World Power Conf. 1936*, Advance proof No. C1, 29 pp. R. H.

ASS. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNDICATE

110-110000-00002

110-110000-00002



I 21597-68

ACC NR: AP8010945

SOURCE CODE: CZ/0014/65/000/005/0170/0172

AUTHOR: Braun, Petr (Engineer); Vondracek, Rudolf

ORG: none

28
3

TITLE: Theory and practice of using magnetic tape for symmetrization

SOURCE: Sdelovaci technika, no. 5, 1965, 170-172

TOPIC TAGS: magnetic tape, electronics

ABSTRACT: The article discusses the theory and practical applications of magnetic tape in symmetrization and indicates a method by which a considerable increase in sensitivity can be obtained. Orig. art. has: 5 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card *1/1*

VONDRACEK, Rudolf; BRAUN, Petr, inz.

Universal transistorized studio amplifier. Sdel tech ll no.10:
380-381 0 '63.

VONDRACEK V. Afekt vzteku The affect of rage Thomayerova sbirka (Supplement of Casopis lekaru ceskych 1949, 88/50) 1949, 272/11

The affect of rage is a state arising suddenly either from an apparent cause or without any cause; a state of great vehemence which manifest itself by a complete deviation from the usual limits of social conduct and is accompanied either by tendencies to or by real acts of violence. The adrenergic emotional complex in the diencephalon, if liberated, manifest itself either by fear or by rage. The occurrence of rage in various diseases, such as manic-depressive psychosis, is discussed. Fourteen men and 12 women are briefly described. Fifteen patients showed disturbances of sleep, 2 of these narcoleptic states, 14 showed depression, 11 headache, 9 polyuria, 8 dyspepsia, especially meteorism, 5 states of apathy, 4 a lowered capacity of resistance against hunger, 3 a sensitivity to cold, 3 a disturbance of the motor system subjectively observed and objectively ascertainable, 3 experienced the affect during or after an orgasm; 1 of these was an obvious sadist. Nine women out of 12 showed frigidity. Most striking was the fact that 8 patients were very tall, 6 men 180-198 cm. and 2 woman, one 175, the other 180 cm. Deeds committed in the pathological affect of rage, especially if there are other diencephalic symptoms present and if there is a temporal dysrhythmic EEG pattern, are to be excused. The deep and clever psychopathological analysis and the great number of cases make the paper very valuable.

Roubicek - Prague

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

VONDRACEK, V.

ROUBICEK, J.; VONDRACEK, V.

Effect of rage in aggressive psychopathy on EEG findings. *Neur. psychiat. cesk.* 14 no.2-4:86-88 Aug 51. (CIAM 21:5)

1. Of the Psychiatric Clinic (Head--Prof. Z. Myslivecek, M.D.) of Charles University, Prague.

VONDRACEK ✓,

Sixty years of prof. Jan Sebek. Cas. lek. cesk. 44 no.34-35:
922 26 Aug 55.

(BIOGRAPHIES
Sebek, Jan.)

~~VONDRAČEK~~ ✓

75th anniversary of prof. Dr. Zdenek Myslivecek. Cesk. neur.
19 no.4:217-218 Nov 56.

(BIOGRAPHIES,
Myslivecek, Zdenek (Cs))

tration of I was placed on the tip or the base of the tongue; the subjects were 283 psychiatric patients and 217 normal persons. Distinction between smokers and non-smokers was found to have no significance. The percentage of non-tasters was 40 % in neurotics, 57.7 % in depressives, 58.0 % in schizophrenics and in neurological patients and 64.5 % in psychopaths. It is concluded that inability to perceive a bitter taste of I must be regarded as a 'constitutional stigma'. This hypothesis is being subjected to further examination.

Von Skramlik — Berlin

VONDRACEK, Vladimir (Praha II, Ke Karlovu 11.)

Neuroses, as seen from a psychiatric viewpoint. Cesk. psychiat.
53 no.6:365-370 Dec 57.

1. Psychiatricka klinika KU v Praze.
(NEUROSES, etiol. & pathogen.
(Cz))

VONDRACEK, Vladimir.

Mental changes in arteriosclerosis. Cas. lek. cesk. 96 no.30:945-950
19 July '57.

1. Psychiatricka klinika KU v Praze, prednosta prof. Dr Myslivecek.
Otevrene oddeleni a oddeleni lecarske psychologie, prednosta prof.
Dr. Vondracek.

(ARTERIOSCLEROSIS, compl.

ment. disord., diag. & ther. (Cz))

(MENTAL DISORDERS, etiol. & pathogen.

arteriosclerosis, diag. & ther. (Cz))

VONDRACEK, Vladimir; BRESKY, Jindrich

60th Birth anniversary of Josef Charvat, a member of the Czechoslovakian
Academy of Sciences. Cas. lek. cesk. 96 no.33-34:1025-1029 23 Aug 57.

(BIOGRAPHIES,

Charvat, Josef (Cz))

CZECHOSLOVAKIA/Pharmacology and Toxicology - Analeptics.

v-4

Abs Jour : Ref Zhur - Biol., No 21, 1958, 984-92

Author : Vondracek, V., Dobry, J.

Inst : -

Title : Ritalin-A-New Psychomimetic Drug.

Orig Pub : Ceskosl. psychiatr., 1958, 54, No 2, 88-93

Abstract : No abstract.

Card 1/1

- 13 -

VONDRACEK, V.

On the 60th birthday of Prof. Otakar Janota. Cesk. psychiat 54 no.2:
73-79 Apr 58.

(BIOGRAPHIES

Janota, Otakar, bibliog. (Cz))

VONDRACEK, V.; DOBRY, J.

Ritalin, a new psychotomimetic. Cesk. psychiat. 54 no.2:88-93 Apr 58.

1. Psychiatricka klinika KU v Praze. V. V., Praha 2, Ke Karlovu 11.
(METHYLPHENIDYLACETATE,
psychotomimetic eff. & ther. of depression (Cz))
(DEPRESSION, ther. use
methylphenidylacetate (Cs))

VONDRAČEK, VI.

90th birthday of Antonin Heveroch. Cesk. psychiat. 55 no.3:183-189
June 59.

(BIOGRAPHIES
heveroch, Antonin (Cz))

VONDRACEK, VI.

Sixtieth anniversary of Prof. MUDr. Josef Hynie. Cas. lek.
cesk. 99 no.22:670-671 27 My '60.
(BIOGRAPHY)

VONDRACEK, V.

Is the problem of mental hygiene really difficult to solve? Activ.
nerv. sup. 3 no.3:305-307 '61.

1. Psychiatricka klinika KU, Praha.

(MENTAL HYGIENE)

SERY, V.; STRAUSS, J.; FANTOVA, Z.; MAZEL, J.; VONDRAČEK, V.

Immunological survey of ornithosis in the population of the Czech regions. J. hyg. epidem., Praha 5 no.4:439-443 '61.

1. Institute of Epidemiology and Microbiology, Prague.

(ORNITHOSIS immunol)

VONDRACEK, V.

Prof. Myslivecek as an example for Czechoslovakian psychiatrists.
Cesk. psychiat. 57 no.5:300-307 '61.
(PSYCHIATRY) (BIOGRAPHIES)

VONDRACEK, V.

Life and activity of Vaclav Petran. Cesk. psychiat. 59 no.1:33-37
P. 163.

(BIOGRAPHIES)

CZECHOSLOVAKIA

VI. VONDRAČEK [Affiliation not given]

"Docent Jan Prokeš, MD."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 59-60.

Abstract: Biographical historical article on this Czechoslovak Psychiatrist and neurologist, 1903-1952. He was most interested in schizophrenia and one of the pioneers in research of metabolic anomalies accompanying schizophrenia; did some biochemical work on cerebrospinal fluid in schizophrenics.

1/1

40

CZECHOSLOVAKIA

VONDRAČEK, V., Psychiatric Clinic (Psychiatricka klinika), Faculty of General Medicine (Fakulta vseobecneho lekarstvi), Charles University.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860810005-2"

"Drugs in Psychiatric Treatment in Myth, Superstition, and Science"

Prague, Ceskoslovenska Psychiatrie, Vol LIX, No 3, June 63, pp 145-150.

Abstract [Author's English summary, modified]: From a cultural and historical point of view substances capable of acting on the mind may be divided into nonmedical (mythical, magic, cultist and toxicomatic substances) and medical (popular curatives, official medical substances, and pseudo-scientific substances). A brief historical survey is presented of errors of medieval physicians believing in signatura rerum and of discoveries of substances with psychotropic action up to 1940. Reference is made of experiments which J.Ev. Purkyne carried out on himself. Thirteen references, including 7 Czech.

1/1

CZECHOSLOVAKIA

VONDRAČEK, V., Psychiatric Clinic (Psychiatrická klinika), Faculty of General Medicine (Fakulta všeobecného lékařství), Charles University, Prague.

"Historical Notes on the Tenth Anniversary of the Psychiatric Department of the University Health Center in Prague"

Prague, Ceskoslovenska Psychiatrie, Vol LIX, No 3, June 63, pp 183-186.

Abstract: A brief historical survey of psychotherapy in the world and Czechoslovakia. The Psychiatric Department (Psychiatrické oddělení) in Prague was established in 1952, under the direction of Ferdinand KNOBLOCH, MD. A hospital for neurotics attached to the Department was organized in Lázně Libverda; in 1961 it was transferred to Lobec. Seven references, including 3 Czech.

VONDRACEK, V.; FISCHER, R.

Light, shadows and the future of drug therapy of schizophrenia.
Cesk. psychiat. 61 no.1:39-46 F'65.

1. Psychiatricka klinika fakulty vseobecneho lekarstvi Karlovy
University, Praha.

VONDRACEK, VL.

Aging and mental disease. Cesk. psychiat. 60 no.1:1-4 F'64.

1. Psychiatricka klinika fakulty vseobecneho lekarstvi KU,
Praha.

*

11011-66

ACC NR: AP6004621

SOURCE CODE: CZ/0083/65/000/001/0039/0045

AUTHOR: Vondracek, V.—Vondrachek, V. (Prague); Fischer, R.—Fisher, R. 2/3

ORG: Psychiatric Clinic, Faculty of General Medicine, Charles University, Prague
(Psychiatricka klinika fakulty vseobecneho lekarstvi KU)

TITLE: Lights, shadows, and the future of the pharmacotherapy of schizophrenia

SOURCE: Ceskoslovenska psychiatrie, no.1, 1965, 39-46 .

TOPIC TAGS: psychotherapy, drug treatment, psychoneurotic disorder, toxicology, biologic metabolism, nervous system disease

ABSTRACT:

Schizophrenia is not a genuine clinical entity; diagnosis of "nuclear" schizophrenia will be the same anywhere; other forms differ according to attending psychiatrists. Nuclear S. can cause macroscopic, atypical changes in the CNS, especially an expansion of the ventricles. Toxic theory of S. is discussed, and its connection with faulty metabolism evaluated. Pharmacotherapy, namely insulinotherapy is discussed; its influence upon the CNS is evaluated. Side effects, undesirable effects, and toxic effects of psychopharmacological agents are discussed. Positive aspects of psychopharmacological agents are described: loss of psychomotor excitation, hallucinations, and delusions, and acquisition of insight into the disease mechanism, as well as easier work of the medical

Card 1/2 HW

L 11011-66

ACC NR: AP6004621

personnel. Negative aspects are: undesirable effects, parkinsonism, inhibition of activity, and mechanization of therapy. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 014

HW
Card 2/2

VONDRACEK, V., prof. dr., Praha 2, Ke Karlovu 4

A handful of memories and the future of psychiatry. Cas. lek.
Ceak. 104 no.47:1298-1301 26 II '65.

SPURNY, Kvetoslav; VOHRACEK, Vladimir

Utilisation of membrane ultrafilters for the determination of certain aerosols. Pracovni lek. 8 no.5:336-341 Oct 56.

1. Laboratore HES-UNV Praha, red. MUDr. V. Krasna.
(AEROSOLS, determination,
membrane ultrafilters (Cz))

VONDRACEK, VLADIMIR

SPRUENY, Kvetoslav; VONDRACEK, Vladimir

New filter material for anti-dust respirators. Pracovni lek. 9 no.3:
217-219 June 57.

1. Laboratore HES-UNV v Praze.

(RESPIRATORS,

filter material in protection against dust (Cz))

(DUST,

anti-dust respirators, filter material (Cz))

VONDRACEK, VLADIMIR

SOURNY, Kvetoslav; VONDRACEK, Vladimir

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

1. Laboratore HES-UNV v Praze.

(DUST,

sampling with membrane filters (Gz))

36339
S/081/62/000/005/025/112
B149/B101

217200
AUTHORS:

Spurný, Květoslav, Machala, Oldřich, Vondráček, Vladimír

TITLE:

Radioactive fall-out in Prague in 1960

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 5, 1962, 134, abstract
5G126 (Zdravotni techn. a vzduchotechn., v. 4, no. 4, 1961,
151-154)

TEXT: The growth in atmospheric radioactivity and radioactive fall-out in Prague were investigated after the explosion of a plutonium bomb in the Sahara on November 13, 1960. The radioactive fall-out (in curies/m² · 10⁻⁶ for 28 days) was 0.32 in January, 0.42 in February and 1.52 in March, that is, after the explosion it increased approximately four times; then the fall-out decreased to 0.07 in December 1960. A particularly sharp maximum of radioactivity (1.7 · 10⁻⁷ curies/m² for 28 days) was observed at Jevani station during the period between February 1, and March 7, which was accompanied by a considerable rainfall. The atmospheric radioactivity was measured at the height of 10 m by sucking 40-50 m³ of air

Card 1/2

Radioactive fall-out in...

S/081/62/000/005/025/112
B149/B101

through the filter. In March it increased about 2 times, as compared with the second half of February, by the end of the year it diminished by $1.5 \cdot 10^{-13}$ curies/m³. The general radioactive fall-out in the territory of Prague (172 km²) decreased considerably in 1960 (8.5 curies) compared with 1958 (77 curies) and 1959 (51 curies). [Abstracter's note: Complete translation.]

Card 2/2

PHASE I BOOK EXPLOITATION

GER/6412

Trnk, Zdeněk, Docent, Doctor of Medicine; Vratislav Hrdina, Doctor of Medicine; Antonín Jaldl, Doctor of Medicine; Miroslav Krejcar, Doctor of Medicine; Milan Pospíšil, Doctor of Medicine; Jiří Tulach, Doctor of Medicine; and Vladislav Vondráček, Doctor of Medicine.

Der Gesundheitsschutz gegen chemische Kampfstoffe (Sanitary Protection Against Chemical Warfare) Berlin, VEB VG, 1962. 219 p.
No. of copies printed not given.

Translated from the Czech by G. J. Wojtek.

PURPOSE: This book is intended for physicians and medical students. It may also be useful in the special training of medical corpsmen.

COVERAGE: The book presents basic data on poisonous weapons, vesicant agents, and irritant toxic agents. It discusses the present state of development and future possibilities for new types of

Card 1/62

Sanitary Protection (Cont.)

GER/6412

toxic agents and cholinergic compounds, as well as paralyzing poisons, smokescreen producing agents, and incendiaries. Attention is given to toxicological problems arising in "chemical mixta" ("chemical" or "surgical mixta" refer to sicknesses which result from the combination of an injury and a simultaneous lesion of the organism by chemical weapons). Artificial respiration, methods of protection against toxic agents, and methods for detecting toxic agents are also discussed. There are 166 references, of which 2 are Soviet.

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| Sanitary Protection Against Weapons | 26 |

CZECHOSLOVAKIA

VONDRACEK, V.

HES-NV(HES-NV), Prague

Prague, Ceskoslovenska hygiena, No 6, 1963, pp 333-339

"Concentration of 3,4-benzpyrene and Arsenic Compounds
in the Atmosphere of Prague."

~~VONDRACEK V~~

Concentration of 3,4-benzpyrene and arsenic compounds in the
Prague atmosphere. Cesk. hyg. 8 no.6:333-339 JI '63.

1. HES NV, Praha.
(AIR POLLUTION) (BENZOPYRENES) (ARSENICALS)

SVAGR, Bohumil, inz.; VONDRACEK, Vladimir, inz.

Control of liquid fuel purity. Normalizace 13 no.4:143-144 Ap '65.

1. State Research Institute of Heat Technology, Bechovice (for Svagr). 2. Hygienic and Epidemiologic Station of the Prague People's Committee (for Vondracek).

CZECHOSLOVAKIA

UDC 614.715(:541.1822-073.277.2

VONDRACEK, Vladimir; RIHA, Jiri; GABARDEN, Vladimir; ZACH, Bohuslav; Station of Hygiene of the Town Council (Hygienicka Stanice NV), Prague, Director (Reditelka) Dr V. KRASNA.

"Instruments for Measurement of Aerosol Concentrations Used in the Control of Hygiene in Prague."

Prague, Pracovni Lekarstvi, Vol 18, No 10, Dec 66, pp 442-444

Abstract [Authors' English summary modified]: An instrument designed by the authors is described; it is based on particle filtration by a membrane filter. Light transparency of the filter is recorded. The accumulation of the particles on the membrane influences the amount of light passing through it. The accumulation is proportional to the amount of particles contained in the atmosphere. Evaluation of the results is made by a gravimetric analysis. The recorded curve is used for the determination of the relative amounts of aerosols in the air during the investigated period of time. The instrument has an accuracy of + 5%. 3 Figures, no references. (Manuscript received 6 Nov 65).

1/1

ROSSLEROVA, Olga; NERUDA, Oto; VONDRACEK, Vojtech

Investigation of calcium metabolism with the use of Strontium
85. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:717-726
'64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic,
DrSc.); Katedra radiobiologie (prednosta: MUDr. J. Mraz, CSc.).

VONDRACEK, Vladimir, inz.

Czechoslovak electric power consumption for lighting in 1960.
Energetika Cz 15 no.1:14-16 Ja '65.

1. Tesla National Enterprise, Holesovice.

SIMECEK, Jaroslav; VONDRACEK, Vladimir

Membrane filters manufactured by Synthesia. Munkavedelem 7 no.1/3:
42-44 '61.

1. Pragai Munkaegeszsegugyi es Foglalkozasi Betegsegeket Kutato
Intezet es a pragai Kozegeszsegugyi es Jarvanyugyi Allomas.

VONDRACEK, V.

Psychopharmaca in mythology, superstition and science. Cesk.
psychiat. 59 no.3:145-150 Je '63.

1. Psychiatricka klinika fakulty vseobecneho lekarstvi KU v
Praze.

(PSYCHOPHARMACOLOGY) (ALCHEMY) (SUPERSTITIONS)
(MAGIC) (MYTHOLOGY)

CZECHOSLOVAKIA

VONDRAČEK, V., Prof. MD., DrSc.

Psychiatric Clinic of the Faculty of General Medicine
of KU (Psychiatricka klinika fakulty vseobecneho
lekarstvi KU), Prague

Prague, Prakticky lekar, No 18, 1963, pp 681-683

"The Problems of Depression."

STRAUSS, J.; SMEJKAL, F.; VONDRACEK, V.; KOZUSNIK, Z.

Adding chlortetracycline in the feeds of ducks suffering by a latent ornithosis. Veterinarni medicina 6 no.10:807-812
O '61.

1. Ustav epidemiologie a mikrobiologie, Praha; Vyzkumny ustav antibiotik, Rostoky u Prahy; Okresni hygienicko-epidemiologicke stanice, Vysoke Myto; Veterinarni oddeleni zemedelskeho odboru rady Okresniho narodniho vyboru, Vysoke Myto.

VONDRACEL, A.

Assembling a prefabricated cow shed by the use of a mobile crane.

P. 205 (Mechanizace) Vol 4, No. 6, June 1957, Czechoslovakia

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

VONIRAKOVA

"Impregnation of Paper Against Burning." p. 89, Praha, Vol. 9, no. 4, Apr. 1954.

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

EXCERPTA MEDICA Sec 8 Vok 13/5 Neurology May 60

2383. ATYPICAL FORM OF RABIES - *Atypická formalyssy - Von'dráčková A., Výmola F., Vortel V., Ondráček J. and Král L. Ust. Mikrobiol. Lab., Ust. Patol. Anat., Klin. Nem. Infekc. a Vojenská Lék. Akad. Jana Ev. Purkyně, Hradec Králové - ČAS. LÉK. ČES. 1959, 98/29-30 (933-937) Graphs 1 Tables 3 Illus. 4*

A 15-year-old boy suddenly developed high fever, meningitic and bulbar symptoms and paraplegia of Landry's type. On the 11th day of the illness the patient died in sopor, with symptoms of bulbar paralysis. The CSF on the 4th day of the illness revealed only a slight pleocytosis. On the 9th day, however, a pronounced inflammatory formula was noticed. The leucocyte count increased to 26,600, the ESR to 75/102. The aetiology of the disease was established after histological and virological studies.

Chytka - Brno (L, 6, 8)

HERCUT, Vladimir; VONDRACKOVA, Anna; SANDA, Zdenek; KOTRLIK, Jiri;
PECHACEK, Miroslav.

Fatal herpetic encephalitis. Anatomical and virological findings.
Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.4:433-442 '65.

1. Patologicko-anatomicky ustav (prednosta: prof. MUDr. A. Fingerland, DrSc.); Ustav lekarske mikrobiologie (prednosta: MUDr. O. Vejhora); Interni oddeleni nemocnice v Jicině (prednosta: doc. MUDr. Z. Sanda, CSc.) a Infekcni klinika (prednosta: prof. MUDr. J. Ondracek) Karlovy University v Hradci Kralove.

KRAL, Ladislav; PECHACEK, Miroslav; NADVORNIK, Pavel; VONDRACKOVA, Anna

Results of long-term observations of patients following tick-borne encephalitis. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.5: 545-553 '65.

1. Infekcni klinika (prednosta - prof. MUDr. J. Ondracek);
Neurochirurgicka klinika (prednosta - prof. MUDr. R. Petr)
a Ustav lecarske mikrobiologie (prednosta - MUDr. O. Vejbona)
Krejskeho ustavu narodniho zdravi v Hradi Kralove.

VONDRACKOVA, A.; VYMOIA, F.; VORTEL, V.; ONDRACEK, J.; KRAL, L.

Atypical form of lyssa. Cas. lek. cesk. 98 no.29-30:933-937
17 July 59

1. Ustredni mikrobiologicka laborator, prednosta MUDr. F. Vymola.
Ustav patologicke anatomie, prednosta prof. MUDr. D. Sc. A. Fingerland.
Klinika nemoci infekcnich, prednosta doc. MUDr. J. Ondracek. Vojenska
lekarska akademie Jana Ev. Purkyne v Hradci Kralove.
(RABIES, case reports)

VONDRACKOVA, A.; VYMOJA, F.; VORTEL, V.; ONDRACEK, J.; KRAL, L.

Atypical form of lyssa. Cas. lek. cesk. 98 no.29-30:933-937
17 July 59

1. Ustredni mikrobiologicka laborator, prednosta MUDr. F. Vymola.
Ustav patologicke anatomie, prednosta prof. MUDr. D. Sc. A. Fingerland.
Klinika nemoci infekcnich, prednosta doc. MUDr. J. Ondracek. Vojenska
lekarska akademie Jana Ev. Purkyne v Hradci Kralove.
(RABIES, case reports)

VLCEK, V.; VONDRACKOVA, J.; SMAHEL, O.

Pendepon, penicillin for prolonged action. Cas. lek. cesk.
94 no.51:1404-1407 16 Dec 55.

1. Z Vyzkumneho, ustavu antibiotik, Rostoky, reditel doc. Ing.
M. herold, a z I. interni kliniky, predn. prof. Dr. M. Netousk.
Pracovnik laboratore: D. Koskova.

(PENICILLIN,
prep. for prolonged action.)

VONDRACKOVA, J.

The importance of the transfer of oxygen for the production of antibiotics.
I. Application of the sulfite method for fermentation on shaker apparatuses.

P. 37, (Ceskoslovenska Mikrobiologie) Vol. 6, no.2, Mar. 1957, Praha, Czechoslovakia

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

HEROLD, M.; TOSCANI, V.; VLCEK, V.; VONDRACKOVA, J.; MODR, Z.; SMAHEL, O.

Oxytetracycline -- a wide-spectrum antibiotic (Czechoslovakian oxytetracycline). Cas.lek.cesk. 98 no.44:1375-1376 30 0 '59.

1. Vyzkumny ustav antibiotik v Roztokach, prednosta doc.ing. M. Herold.
Interni katedra Ustavu pro doskolovani lekaru v Praze, prednosta doc.
dr. O. Smahel.

(OXYTETRACYCLINE pharmacol.)

CZECHOSLOVAKIA

STRAFELDA, F; VONDRAK, D; KIMLA, A

Section of Instrument Analysis and Institute of Mathematics, College of Chemical Engineering, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 12, December 1966, pp 4622-4634

"Amperometry with a rotating ring-shaped platinum electrode."

CZECHOSLOVAKIA

STRAPELDA, F; VONDRAK, D

Section of Instrument Analysis, College of Chemical
Engineering, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 12, December 1966, pp 4635-4643

"Amperometric analysis of a uranium (4)."

VONDRAK, Dalibor

Apparatus for differential thermal analysis with automatic programming
and recording. Sbor chem tech 4 no.1:547-558 '60. (EEAI 10:9)

(Thermal analysis)

BALON, A.; VONDRAK, B.

Regeneration of the articular cartilage following transarticular
osteosynthesis with metal wire. Ortop., travm.i protez. no.7:
32-35 '61. (MIRA 14:8)

1. Iz kafedry patologicheskoy anatomii (zav. - dotent V. Valakh)
i khirurgicheskoy kliniki (dir. - prof. V. Rapant) meditsinskogo
fakul'teta Universiteta im. Palatskogo, Olomuts, Chexoslovakiya.
(INTERNAL FIXATION IN FRACTURES) (CARTILAGE)

MATRKA, Miroslav; SAGNER, Zdenek; VONDRAK, Frantisek

Polarometric coupling titration of 4-nitrobenzene diazonium chloride. Chem prum 14, no.4:198-200 Ap '64.

1. Research Institute of Organic Syntheses, Pardubice - Rybitvi.

BALEJ, J.; KOUDELKA, V.; PASEKA, I.; VONDRAK, J.

Influence of brine impurities on the amalgam electrolysis of alkali chlorides. Pt.3. Chem prum 14 no.5:238-241 My '64.

1. Institute of Inorganic Chemistry, Czechoslovak Academy of Sciences, Prague (for all except Koudelka).
2. Prazska akumulatorka National Enterprise, Mlada Boleslav (for Koudelka).

VONDRAK, J.

"Electric properties of lead (II) oxides. In German."

p.1717 (Sbornik Chekhoslovatskikh Khimicheskikh Rabot, Vol. 22, no. 6, Dec.
1957, Praha, Czechoslovakia)

Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 8, August 1958

CZECHOSLOVAKIA / Farm Animals. Domestic Fowl.

Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40505.

Author : Vondrak J., Tlaskal, J.

Inst : ~~Not given.~~

Title : New Data on the New Hampshire Breed of Hens.

Orig Pub: Drubeznictvi, 1957, 5, No 9, 133-134.

Abstract: Experiments showed that the average weight of the New Hampshire chickens at the age of 2, 4, 6, 8, 10, and 12 weeks was 97, 268, 484, 844, 1,382 and 1,830 g., and that of Rhode Island chickens was 96, 225, 378, 588, 1,091, and 1,399 g., respectively. It is recommended to increase the stock of the New Hampshire hens and to standardize them according to the local conditions.

Card 1/1

BALEJ, J.; KOUDELKA, V.; VONDRAK, J.; PASEKA, I.

Laboratory pump from plastics for aggressive liquids. Chem prum 12
no.8:446-447 Ag '62.

1. Ustav anorganické chemie, Československá akademie věd, Praha.

E 31030-66 ISS-2/INT(1) TT/CI
ACC NR: AP6022931 SOURCE CODE: CZ/0024/66/000/001/0013/0016

40
B

AUTHOR: Vondrak, Jan (Engineer)

ORG: Geodetic, Topographic, and Cartographic Research Institute, Prague (Vyzkumny ustav geodeticky, topograficky, a kartograficky)

TITLE: Nomogram for the determination of positions of man-made earth satellites

12

SOURCE: Geodeticky a kartograficky obzor, no. 1, 1966, 13-16

TOPIC TAGS: satellite trajectory, space coordinate tracking

ABSTRACT: The nomogram is suitable for the determination of the coordinates for individual passages of the satellites; separate points on the trajectory or continuous lines may be determined. The nomogram is based on information published by the Smithsonian Astrophysical Observatory under the titles Ephemeris 6 and Ephemeris 7. This paper was presented by Engineer Jan Rambousek, VUGIK, Prague. Orig. art. has: 3 figures and 3 tables. [JPRS]

SUB CODE: 22 / SUBM DATE: none

Card 1/1 LC

UDC: 528.225:629.19:518.3

0945

JIRI VONDRAK

CZECHOSLOVAKIA/Physical Chemistry. Crystals.

B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73122.

Author : Jiri Vondrak.

Inst :

Title : Electric Properties of Lead Oxide.

Orig Pub: Chem. listy, 1957, 51, No 6, 1025-1029; Sb. chekhol.
khim. robot, 1957, 22, No 6, 1717-1721.

Abstract: The semiconductor properties of the yellow modification of PbO were studied. At a normal temperature, the crystals are semiconductors of the n type with a conductivity of (2.4 to 2.7) $\cdot 10^{-4}$ mho.cm⁻¹. When heated in air to temperatures above 160°, PbO becomes a semiconductor of the p type. The n-p transition and the transistor effect are observed at heating in air to 200°. The PbO

Card : 1/2

VONDRAK Jiri
CZECHOSLOVAKIA/Electricity - Semiconductors

G-3

Ab's Jour : Ref Zhur - Fizika, No 4, 1958, No 8620

Author : Vondrak Jiri
Inst : Higher School for Chemical Technology, Prague, Czechslovakia
Title : Electrical Properties of Lead Oxide

Orig Pub : Chem. listy, 1957, 51, No 6, 1025-1028

Abstract : An investigation was made of the yellow rhombic modification of PbO. A method is described of preparing the crystal and a setup for measuring its conductivity. From the results of the experiments it follows that the lead oxide can have both p and n type conductivity. The investigated changes in electric properties can be explained by diffusion of oxygen in the crystal. As in the remaining semiconductors, in which both p and n conductivity is possible, lead oxide has a transistor effect. In the visible portion of the spectrum, the crystal has a considerable absorption at 4,000 A and a lesser maximum at 5800 A. When the crystal is heated to temperatures above 160°C, it can be changed from an n semiconductor to a p semiconductor. The magnitude of the conductivity in fresh crystals ranges from

Card : 1/2

Card : 2/2

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BALEJ, J.; PASEKA, J.; VONDRAK, J.

CSSR

Institute of Inorganic Chemistry, Czechoslovak Academy of Sciences, Prague
(for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, 1963

"Determination of Physical-Chemical Properties of Alloys of the Alkali
Metals II.
Density of Sodium and Calcium Alloys"

(3)

BALEJ, J.; KOHOUTKOVA, M.; PASEKA, J.; VONDRAK, J.

Electric conductivity of concentrated aqueous solutions of
NaCl-Na₂CO₃ and NaCl-NaOH mixtures. Chem prum 14 no.1:
9-11 Jā'64.

1. Ustav anorganické chemie, Československá akademie věd,
Praha.

RYLEK, M.; VONDRAK, J.

Extraction equilibrium of cadmium iodide in the $\text{CdI}_2\text{-H}_2\text{O-(C}_2\text{H}_5)_2\text{O}$ system. Coll Cz chem 25 no.10:2497-2502 0 '60. (EEAI 10:9)

1. Jetzige Adresse: Institute fur theoretische Grundlagen der chemischen Technik, Tschechoslowakische Akademie der Wissenschaften, Prag (for Rylek). 2. Jetzige Adresse: Institut fur anorganische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag. (for Vondrak)

(Extraction(Chemistry)) (Cadmium iodide) (Ethyl ether)
(Water) (Phase rule and equilibrium)