

POLASEK, J - PALICKA, J.

Examples of the production of castings using the chemical-hardening method and adapting of the pattern technique. p. 29h.

SLEVARENSTVI. (Ministerstvo tezkého strojírenství a Československá vědecká technická společnost pro hutnictví a slevarenství) Praha, Czechoslovakia. Vol. 7, no. 7, June, 1959

Monthly list of East European Accessions (EEAI) LC Vol. 8, No. 12, Dec., 1959 Uncl.

POLASEK, J.

CZECHOSLOVAKIA/Optics - Geometrical Optics.

K

Abs Jour : Ref Zhur Fizika, No 1, 1960, 1961

Author : Polasek, Jaroslav

Inst : Scientific Research and Motion Picture Institute,
Vuzort, Prague, Czechoslovakia

Title : Cylindrical Lenses

Orig Pub : Monatsschr. Feinmech. und Optik, 1959, 76, No 5,
136-140

Abstract : The author considers briefly the optical properties of cylindrical surfaces and systems of two cylindrical surfaces and lenses with arbitrary angles between their axes. Formulas are derived for the calculation of cylinders crossing at right angles and for the calculation of sphero-toroidal combinations. A monogram is given for the simplification of the calculation.

Card 1/1

- 105 -

23068

10.1200

Z/026/61/006/001/004/004
D231/D305AUTHOR: Poláček, JanTITLE: The calculation of induced speed coefficients for
blade lattices with strongly curved profiles

PERIODICAL: Aplikace matematiky, v. 6, no. 1, 1961, 73-74

TEXT: One of the main difficulties when calculating the flow in blade lattices by means of various singularity methods as cited by T. Czibere (Ref. 6: Berechnungsverfahren zum Entwurfe gerader Flügelgitter mit stark gewölbten Profilschaufeln, Acta Technica XXVIII, Budapest 1960, pp 43-71, and 241-280) is the computation of induced speed. The numerical work is very time-wasting, and a source of errors. The author's previous work (Ref. 7: Poláček, J. Výpočet obtékání lopátkových mříží s tenkými silně prohnutými profily, Aplikace matematiky, Bd. 3 (1958), No. 5, S. 325-347) suffered from the same cause. On further investigation it was seen that the coefficients μ_{nj} and v_{nj} of the induced speeds can be calculated by means of analytical methods. This enables one to produce a table of these coefficients for simple interpolation. The coeffi-

Card 1/4

23068;
Z/026/61/006/001/004/004
D231/D305

The calculation of induced speed...

coefficients μ_{nj} and v_{nj} are given in the author's previous work (Ref. 7: Op. cit) and are repeated here

$$(1)'$$

$$\mu_{00} - i\nu_{00} = \frac{1}{\pi^2} \sum_{k=1}^{\infty} \int_0^{\pi} \int_0^{\pi} e^{i(\omega/2)\cos\vartheta} \frac{\frac{1}{\omega} (e^{i(\omega/2)\cos\vartheta} - e^{i(\omega/2)\cos\chi}) (1 + \cos\chi) d\chi d\vartheta}{\frac{1}{\omega^2} (e^{i(\omega/2)\cos\vartheta} - e^{i(\omega/2)\cos\chi})^2 - k^2 \left(\frac{t}{l'}\right)^2 e^{-2i\lambda}}$$

4

$$\mu_{0j} - i\nu_{0j} = \frac{1}{\pi^2} \sum_{k=1}^{\infty} \int_0^{\pi} \int_0^{\pi} e^{i(\omega/2)\cos\vartheta} \frac{\frac{1}{\omega} (e^{i(\omega/2)\cos\vartheta} - e^{i(\omega/2)\cos\chi}) \sin j\chi \sin \chi d\lambda d\vartheta}{\frac{1}{\omega^2} (e^{i(\omega/2)\cos\vartheta} - e^{i(\omega/2)\cos\chi})^2 - k^2 \left(\frac{t}{l'}\right)^2 e^{-2i\lambda}} \quad (1)1$$

$$\mu_{n0} - i\nu_{n0} = \frac{2}{\pi^2} \sum_{k=1}^{\infty} \int_0^{\pi} \int_0^{\pi} \cos n\vartheta \cdot e^{i(\omega/2)\cos\vartheta} \frac{\frac{1}{\omega} (e^{i(\omega/2)\cos\vartheta} - e^{i(\omega/2)\cos\chi}) (1 + \cos\chi) d\lambda d\vartheta}{\frac{1}{\omega^2} (e^{i(\omega/2)\cos\vartheta} - e^{i(\omega/2)\cos\chi})^2 - k^2 \left(\frac{t}{l'}\right)^2 e^{-2i\lambda}}$$

Card 2/4

23068
Z/026/61/006/001/004/004
D231/D305

The calculation of induced speed...

$$\begin{aligned} \mu_{nj} - iv_{nj} &= \\ &= \frac{2}{\pi^2} \sum_{k=1}^{\infty} \int_0^{\pi} \int_0^{\pi} \cos n\theta \cdot e^{i(\omega/2)\cos\theta} \frac{\frac{1}{\omega} (e^{i(\omega/2)\cos\theta} - e^{i(\omega/2)\cos\chi}) \sin j\chi \sin \chi \, d\chi \, d\theta}{\frac{1}{\omega^2} (e^{i(\omega/2)\cos\theta} - e^{i(\omega/2)\cos\chi})^2 - k^2 \left(\frac{t}{l'}\right)^2 e^{-2i\alpha}} \end{aligned}$$

The symbols are taken from Ref. 7 (Op. cit) and are not given here except for $l' = \omega R$, for the length of the arc approximating the blade profile. The integrals can be developed to the power ω . These converge up to $\omega = 2\pi$. In practical cases where $\omega < \pi$ it is adequate to limit oneself to the first or the first two terms. In the case of large pitch ratio the integrands can be developed in the exponential series of power l'/t , the sum to k and integration to χ and θ . This gives a converging series up to $t/l' > 1$. For smaller pitch ratios it is possible to calculate the influence of one or more neighboring pairs of blades directly, and use the developments for the remaining blade pairs. These values can be

Card 3/4

30592
Z/026/61/006/006/002/002
D291/D301

26.2/20
AUTHOR:

Polásek, Jan

TITLE:

Calculations of coefficients of induced velocity for cascades with slightly cambered blades

PERIODICAL: Aplikace matematiky, v. 6, no. 6, 1961, 428-462

TEXT: The paper derives a method of calculating the coefficients μ_{kn} and v_{kn} of induced velocity for cascades of slightly cambered blades. These coefficients are essential for the calculation of the flow in cascades according to a method given by J. Polásek (Ref.1: Berechnung der Strömung für Schaufelgitter mit dünnen, stark gewölbten Profilen (Calculating the Flow for Cascades with Thin, Strongly Cambered Blades), Aplikace matematiky, no. 3, 1958, pp. 325-347). The coefficients μ_{kn} and v_{kn} depend on three geometrical parameters, i.e. the blade spacing ratio (t/l), the blade angle (λ), and the cambering (ω) which is the aperture angle of the approximated circular arc. Calculation principles of these coefficients are also

Card 1/5

30592

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D291/D301

Calculations of coefficients ...

listed in Ref. 2 (J. Polásek: Zur Berechnung von Koeffizienten induzierter Geschwindigkeit für Schaufelgitter mit stark gewölbten Profilen (Calculating Coefficients of Induced Velocity for Cascades with Strongly Cambered Blades), Aplikace matematiky, v. 6, 1961, pp. 73-74). The author derives necessary relations expressing the function $J_{kn}(\alpha)$, gives two approximations for calculating $J_{kn}(\alpha)$ functions with large coefficients k and n which are whole numbers and finally uses the obtained results for the numerical calculation of coefficients μ_{kn} and ν_{kn} . For blade spacing ratios in geometric progression ($t/l = 1/2, 1/\sqrt{2}, 1, \sqrt{2},$ and 2), blade angles in arithmetic progression ($\lambda = 0, \pi/6, \pi/3,$ and $\pi/2$ respectively) and for slight cambering ($\omega = 0$), calculated coefficients of induced velocity are listed in tables. Calculations were made with extreme precision to avoid errors and to make tables applicable also for extreme cases. Calculations made in this article are based on the function $J_{kn}(\alpha)$ of the complex variable (α) . The author, therefore, derives characteristics of this function and formulae necessary for

Card 2/ 5

Calculations of coefficients ...

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Z/026/61/006/006/002/002
D291/D301

numerical calculation. Functions $J_{kn}(\alpha)$ are defined by the integrals

$$J_{kn}(\alpha) = \frac{-1}{2r^2} \int_{-\pi}^{\pi} \int_{-\pi}^{\pi} \frac{\cos k\vartheta \cdot \cos n\lambda}{\cos \vartheta - \cos \lambda - \alpha} d\vartheta \cdot d\lambda \quad (2,1)$$

where k and n are whole numbers. Function characteristics are developed from this formula. For the numerical calculation, formulae are derived where all functions $J_{kn}(\alpha)$ are given as linear combinations of two elliptic integrals Y and Z, and it is demonstrated that Y and Z are complete elliptic integrals with the modulus

$$k^2 = \frac{4}{\alpha^2} \quad (3,36)$$

In these particular problems, α characterizes the geometric progression of a cascade and is expressed by the equation

Card 3/5

Calculations of coefficients ...

30592
Z/026/61/006/006/002/002
D291/D301

$$\alpha = i \frac{2t}{1} e^{-i\lambda} \quad (3.38)$$

The moduli are therefore generally complex and, since tables of elliptic integrals with complex moduli are not readily available, the necessary values were calculated by the author with the aid of known developments of \mathcal{D} functions. Since the formulae, derived for calculating $J_{kn}(\alpha)$ functions (i.e. the complete elliptic integrals) are not applicable for large coefficients $N = k + n$, the author gives two approximations, one for $4 \leq n \leq 9$, the other for $n \geq 9$. Applying the results of the first part, the second part is devoted to calculating the induced velocity coefficients μ_{kn} and v_{kn} . This calculation is divided into two steps, namely (1) determination of the coefficients $\Delta_1 \mu_{kn}$ and $\Delta_1 v_{kn}$ of the velocity induced upon a blade by whirls of one or several pairs of neighboring blades and (2) determination of the influence exerted by all other blades of the cascade, and subsequent addition of the results of both steps.

Card 4/5

POLASEK, Jan, dr.

Some problems of the relation between the industrial safety provisions
in the Czechoslovak State Standards and in other regulations.
Normalizace 13 no.3:85-87 Mr '65.

1. Central Council of Trade Unions, Prague.

41390

Z/041/62/000/005/001/001
E160/E435

26.7.72

AUTHOR: Poláček, Jan, Doctor, Candidate of Sciences

TITLE: Design of circular blade cascades

PERIODICAL: Strojnícký časopis, no.5, 1962, 428-449

TEXT: This paper deals with the design and calculations of characteristics of circular cascades having thin, very nearly logarithmic spiral blades. The method is based on the conformal transformation of a circular into a straight cascade; it is then possible to adopt the method employed for straight cascades and thus make use of the tables of coefficients of induced velocities and other coefficients worked out for them. These tables are included in the article. The theoretical treatment, which is presented in great detail, is based on the method of two-dimensional potential flow. The author first arrives at the fundamental kinematic condition which establishes the relation between the shape of the blade and the distribution of circulation. It is expressed as a system of linear nonhomogeneous equations which relate coefficients characterizing the shape of the blade profile to coefficients describing the circulation. The remaining
Card 1/2

Design of circular ...

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E160/E435

coefficients in the system are also in linear relation to the coefficients describing the circulation. When dealing with an actual case these coefficients are found from the tables, attached to the article, which give them in terms of the geometrical parameters of the equivalent straight cascade. Aerodynamic characteristics of the given circular cascade are finally expressed in terms of coefficients derived from the preceding work. The article also contains a layout of the step-by-step procedure to be adopted when applying the exposed theoretical results. A worked-out example is included for a circular cascade having 6 blades, spiral angle of 30° and the ratio of inlet to outlet radii of 0.6. There are 7 figures and 2 tables.

ASSOCIATION: Státní výskumný ústav tepelné techniky Praha
(State Research Institute for Heat Engineering, Prague)

SUBMITTED: April 3, 1962

Card 2/2

HRBEK, Jan; DOCKAL, C.; HREBICEK, J.; SKLENOVSKY, A.; DOSTALOVA, K.;
VIZINOVA, H.; POLASEK, J.

Concomitant autonomic reactions during the process of training in
laboratory language. II. Studies on pulse frequency changes. *Activ.
nerv. sup.* 4 no.2:152-154 '62.

1. Katedra patologické fyziologie lékařské fakulty Palackého university
v Olomouci.

(LEARNING) (PULSE physiol) (LANGUAGE)

1948, 1949

Sixty-fifth meeting of the German Society of Applied Optics.
Journal no. 9 no. 10: 2 of cover, 3 of cover 0 164.

POLASEK, J.

Probable postoperative correction in axial ametropia. Cesk.
oftal. 21 no.6:457-463 N '65.

1. Vyzkumny ustav zvukove, obrazove a reprodukcní techniky
v Praze (reditel RNDr. M. Jahoda).

SORS, K.; HOLCOVA, M.; POLASEK, J.; SIKOVA, L.

Our experience with a modified Swan-Wahlgren test. *Cesk. oftal.*
21 no.6:503-508 N '65.

1. Ustav pro napravu vad zraku v Machnine (vedouci lekar MUDr.
K. Sors) a Vyzkumny ustav zvukove, obrazove a reprodukcní techniky
v Praze (reditel RNDr. M. Jahoda).

POLASEK, K.

"Repairing Cracks in the Cast-Iron Body of a Steam Turbine." p. 27, Praha, Vol. 4, no. 1, Jan. 1954. "Reduction of Construction Costs of Electric Power Plants, Important Economic Task." Tr. from the Russian. p. 28. Praha, Vol. 4, no. 1, Jan. 1954.

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

POLASEK, K.

Improving the durability of bend pipes in the transportation of pulverized coal.

P. 439. (ENERGETIKA.) (Praha, Czechoslovakia) Vol. 7, No. 8, Aug. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, May 1958

POLASEK, K.

"Repairing cracks in the drum of a high-pressure boiler."

p. 571 (Energetika) Vol. 7, no. 11, Nov. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

POLASEK, K.

CSSR

no academic degree indicated

Kraj institute for national health, pharmaceutical division (Krajsky ustav nar. zdravi), Ostrava

Bratislava, Farmaceuticky Obzor, No 11-12, 1962, pp 498-503

"The Importance of Time Supply Norms in Installations of the Pharmaceutical Service of the northern Moravian kraj"

POLASEK, M.

RP 46 auxiliary relays. p. 247

AUTOMATISACE. (Ceskoslovenska vedecka technicka spolecnost pro elektrotechniku pri Ceskoslovenske akademii ved., Odborna skupina automatisace a Ceskoslovenska spolecnost pro sireni politickych a vedeckych znalosti) Praha, Czechoslovakia, Vol. 2, no. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 10, Oct. 1959
Uncl.

POLASEK, S.

"Notes on the geologic structure of the coal basin in the area of Hnojne below the Vihorlat mountain range."

p. 82 (Casopia Pro Mineralogii A Geologh, Vol. 2, no. 3, 1957, Czcholovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7. No. 2,
February 1958

POLASEK, S.

"Preliminary report on the results of geologic conditions of a small coal basin north of Pikanec in Levice District."

VESTNIK, ustredni ustav geologicky, Prague, Czechoslovakia, Vol. 33, No. 4, 1958.

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

Uncl.

KOLARIK, Stanislav

Mineral raw materials in the Quaternary of western Slovakia.
Geol prace 64:223-231 '63.

1. Geologicky priemysel National Enterprise, Zilina.

POLASEK, Vladimir; SANDA, Emilian

Adrenal radiographic findings in patients with hyperfunctional syndromes.
Cesk. rentg. 12 no.3:146-153 Sept 58.

1. Rentgenologicke odd. nemocnice v UH. Hradisti, prednosta prim. MUDr.
Emilian Sanda. V. P., Rentgenologicke odd. nem., Uherske Hradiste.

(ADRENAL GLANDS, dis.

hyperfunct. synd., x-ray diag. (Cz))

L 43010-85 FSS-2/EWT(1)/ENA(d)/T/EED(b)-3/ENA(c) pac-2 IJP(c)

ACCESSION NR: AP5008581

S/0077/65/010/002/0093/0103

AUTHOR: Polashok, Ya.

31
30
B

TITLE: Use of the method of photographic photometry for detection of flare light in optical systems

SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 10, no. 2, 1965, 93-103

TOPIC TAGS: photometry, photography, photo luminescence, flare

ABSTRACT: The author describes the method of photographic photometry as a means of determining the amount of flare light in optical systems. The "white test" is presented for outlining the method of photographic photometry and the mathematical relationships involved. A white field (S_1) and a black field (S_p) are fixed in planes separated by a certain distance. The white plane D_1 is illuminated by an amount $E_1 + E_p$, where E_1 is the useful illumination creating a brightness L on the white plane, E_p is the illumination from flare lighting, and τ is coefficient of absorption and reflection. The quantity

$$\tau = \frac{E_p}{E_1}$$

Card 1/B

L 43010-65

ACCESSION NR: AP5008681

is defined as the relative quantity of flare light. It is shown that this quantity is equal to

$$e_p = \frac{\gamma}{10(D_p - D_p \gamma - 1)}$$

where D_p is the black plane and γ is the contrast coefficient. The characteristic curve of the photographic material used must be known, and is determined with a sensitogram. A solution nomogram is given (see Fig. 1 on the Enclosure) as an aid in solving for the relative amount of flare light for given γ . The author presents information on the inherent accuracy of measuring flare light by this method and describes the sequences involved in making the test. The use of the photographic photometry method with a directly exposed sensitogram is also discussed. This case involves a more complicated mathematical solution best obtained by a graphical method. The author discusses the proper manner of selecting parameters to solve the system, presents additional information on the accuracy of this solution, and details the steps in the taking of test measurements. Orig. art. has: 5 figures and 27 equations.

ASSOCIATION: Nauchno-issledovatel'skiy institut tekhniki zvuka i izobrazheniya, Praga, Czechoslovakia (Scientific Research Technical Institute of Sound and Image)

Card 2/4

L 43010-65

ACCESSION NR: AF5008681

SUBMITTED: 28Feb64

ENCL: 01

SUB CODE: ES, OP

NO REF SOV: 003

OTHER: 016

Card 3/4

PINTERA, J.; POLASKOVA, A.

Preparation of anti-H serum from eel blood. Probl. gemat. i perel.
krovi 5 no. 12:45-48 '60. (MIRA 14:1)
(SERUM) (EELS)

CZECHOSLOVAKIA

DOHNALEK, J.; EYSSELT, M.; MARTINEK, K.; POLASKOVA, A.

1. Dept. of Radiology and Nuclear Medicine, Faculty of Medicine, Purkyne Univ. (Katedra radiologie a nuklearniho lekarstvi lekarske fakulty UJEP), Brno (for ?); 2. Third Internal Clinic, Faculty Hospital (III vnitřni klinika Fakultni nemocnice), Purkyne Univ., Brno (for ?)

Brno, Vnitřni lekarstvi, No 11, November 1966, pp 1056-1060

"Detoxication of o-iodbenzoic acid-I¹³¹ in some hepatic and renal diseases."

POLASKOVA, K.

REPOVSKY, R.; PAWLER, T.; POLASKOVA, K.; ZELINKOVA, M.

Original substances for biosynthesis of rubber in koksaghyz.
Chekh.biol. 2 no.4:215-219 Ag '53. (MLRA 7:4)

1. Institut biologii ChSAN, fiziologiya rasteniy, Praga.
(Kok-Saghyz)

HRBEK, J., Olomouc 5, Hnevotinska 3; NEVRLA, F.; POHANKA, J.; Technicka
spoluprace: SPILKA, O.; ZIZKOVA, D.; POLASKOVA, L.

Associated intero-reflex reactions in women during breast feeding.
Cesk. gynek. 30 no.8:614-620 0 '65.

1. Katedra patolog. fyziol. (vedouci doc. dr. J. Hrbek, CSc.) a
gyn.-por. klir. (prednosta doc. dr. F. Gazarek, CSc.) lekarske
fakulty Palackeho University v Olomouci. Submitted July 10, 1964.

VAGAC, M.; BAJAN, A.; SCHWARTZ, E.; LITOMERICKY, S.; POLASKOVA, O.

On the immunobiological problems of sarcoidosis. Bratisl. lek. listy 45 no.3:129-134 15 Ag '65.

1. Katedra ftizeologie Ustavu pre dalsie vzdelavanie lekarov a farmaceutov v Bratislave-Podunajskych Biskupiciach (veduci doc. MUDr. K. Virsik) Krajska nemocnica tuberkulozy a chorob plucnych v Bratislave-Podunajskych Biskupiciach (riaditel doc. MUDr. K. Virsik).

GREIFOVA, V.; POLASKOVA, V.; WOLFOVA, H.

Thoracic injuries in fatal traffic accidents. Acta chir.
orthop. traum. cech. 30 no.3:197-202 Je '63.

1. Ustav pro soudni lekarstvi fakulty vseobecneho lekarstvi KU
v Praze, prednosta doc. dr. J. Tesar, CSc.

(THORACIC INJURIES) (ACCIDENTS, TRAFFIC)

(ALCOHOLIC INTOXICATION)

(BLOOD CHEMICAL ANALYSIS)

(STATISTICS)

1. POLATAYEV, I.K.
2. USSR (600)
4. Water, Underground
7. Hydrogeological processes in irrigated lands and their role in reclamation. Soob. TFAN SSSR no. 30, 1951

9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

MUSIYENKO, V.P.; POLATAYKO, R.I.; SKARCHENKO, V.K.; FROLOVA, V.S.;
GALICH, P.N.; ~~Prizhmal~~ uchastiye: Legza, L.F.; Kubyshkina, G.A.

Conversion of n-hexane on chromium-magnesium oxide catalysts.
Ukr. khim. zhur. 30 no.9:915-918 '64.

(MIRA 17:10)

1. Institut vysokomolekulyarnykh soyedineniy AN UkrSSR.

POLATAYKO, R.I.; KRUGLIKOVA, N.S.; FROLOVA, V.S.; GALICH, P.M.; SKARCHENKO, V.K.

Dehydrogenation of n-hexane on molybdenum-sulfide catalysts.
Neft. i gaz. prom. no.2:53-54 Ap-Je '65.

(MIRA 18:6)

L 17695-63 EWP(j)/EPF(c)/EWT(m)/BDS Fc-l/Pr-l RM/WW/AB

68

ACCESSION NR: AP3004247

S/0152/63/000/006/0061/0064

67

AUTHORS: Zeliznyy, A. M.; Prokopets, M. M.; Chernyavskaya, A. P.; Polatayko, R. I.

TITLE: Reaction of n-paraffinic and monocyclic aromatic hydrocarbons with dimethyl formamide in the extraction process ¶

SOURCE: ¹IVUZ. Neft' i gaz, no. ¹6, 1963, 61-64

TOPIC TAGS: paraffin, aromatic, hydrocarbon, monocyclic aromatic hydrocarbon, dimethyl formamide, acidity, spectroscopy, infrared spectroscopy

ABSTRACT: Authors studied the solubility of n-paraffinic hydrocarbons from C₈ to C₁₈ with dimethyl formamide. Dimethyl formamide was used as a model solvent for study of interaction between hydrocarbons and extractant. The infrared spectra of dimethyl formamide and solutions of it in hydrocarbons were obtained for the carbonyl range with an IKS-12 instrument equipped with a sodium chloride prism. Normal paraffinic hydrocarbons do not shift the characteristic frequency of the carbonyl group. In the series benzene to

Card 1/2

L 17695-63

ACCESSION NR: AP3004247

butylbenzene, the shift to lower frequency is greatest for benzene (1706 to 1682 reciprocal cm.) and decreases by an average of 4.5 reciprocal cm. for each additional methylene group in the side chain. In the series benzene to pseudocumene, the shift decreases by 5 reciprocal cm. for each additional methyl substituent on the ring. These shifts parallel the acidic properties of the hydrocarbons. The solubility in dimethyl formamide of the normal hydrocarbons with 6 to 16 carbon atoms, was studied. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: L'vovskiy politekhnicheskii institut (Lvov Polytechnical Institute)

SUBMITTED: 29Jan63

DATE ACQ: 21Aug63

ENCL: 00

SUB CODE: FL, CH

NO REF SOV: 003

OTHER: 003

Card 2/2

FROLOVA, V.S.; POLATAYKO, R.I.; SKARCHENKO, V.K.; MUSIYENKO, V.P.;
GALICH, P.N.

Dehydrogenation of n-hexane on chrome-zinc oxide catalysts.
Neft. i gaz. prom. no.3:54-55 J1-S '64.

(MIRA 17:12)

PROKOPETS, M.M.; ZELIZNYI, A.M.; POLATAYKO, R.I.

Extraction of aromatic hydrocarbons from a kerosine fraction of
Dolina petroleum using dimethylformamide. Izv. vys. ucheb. zav.;
neft' i gaz. 8 no.5:63-66 '65. (MIRA 18:7)

1. L'vovskiy politekhnicheskii institut.

I. 04629-67 EWT(m)/EMP(j) DJ/AF/RR
ACC NR: AP6031406 (N) SOURCE CODE: UR/0064/66/000/009/0017/0021

AUTHOR: Dolgalev, A. A.; Kamakin, N. M. (Deceased); Polatayko, R. I. 29

ORG: none B

TITLE: Preparative methods for diphenic acid

SOURCE: Khimicheskaya promyshlennost', no. 9, 1966, 17-21

TOPIC TAGS: phenanthrene, oxidation

ABSTRACT: This is a review of preparative methods for diphenic acid, with 26 Soviet and 87 Western references. The review was undertaken because: 1) diphenic acid is a promising starting material for such valuable synthetic materials as high-temperature lubricating oils or physiologically active compounds and 2) because large amounts of phenanthrene available in the USSR find no proper utilization. The review deals with several preparative methods for diphenic acid, none of which has found industrial application. Individual methods are discussed, and it is concluded that the most promising are methods involving catalytic oxidation of phenanthrene with ozonized oxygen or atmospheric oxygen. Orig. art. has: 2 tables. [ATD PRESS: 5077-F]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 025 / OTH REF: 088

Card 1/1 awm

S/137/62/000/004/197/201
A154/A101

AUTHORS: Yudelevich, I. G., Shelpakova, I. R., Polatbekov, F. A., Sosnovskaya, T. I.

TITLE: Spectrographic determination of arsenic in semiproducts of rare metal metallurgy

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 11 - 12, abstract 4K70 ("Metallurg. i khim. prom-st' Kazakhstana. Nauchno-tekhn. sb.", 1961, no. 3 (13), 77 - 81)

TEXT: Spectrographic methods of determining As in powdered test samples and technological solutions are proposed. Small and medium contents of As (0.02 - 8%) in powders are determined simultaneously with Te by the arc method of exciting the spectrum; the test sample is introduced into the discharge out of a carbon electrode's crater. Charcoal powder containing comparison element Bi (5%) is used as a spectrographic buffer. Mean relative reproducibility error = 5 - 6%. Determination of high concentrations of As (5 - 15%) in In products is carried out by the spark method of spectrum excitation. Test sample is briquetted to-

Card 1/2

5(2), 24(4)

AUTHORS:

SOV/32-25-3-19/62
Yudelevich, I. G., Polatbekov, F. P., Kovaleva, V. G.

TITLE:

Spectrum Analysis of Antimonate, Stannate, and the Products of Their Preparation (Spektral'nyy analiz antimonata, stannata i produktov ikh pererabotki)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 305-307 (USSR)

ABSTRACT:

A method is described which has been worked out for analysing antimonates, stannates, metallic tin and antimony, antimony-slugs and several of their products. The vaporization properties of the individual components of the sample and the influence of various buffers were investigated. M. Seysengaliyeva and Kh. Abrakhmanova, Candidate for Diploma of the Kazakhskiy gosudarstvennyy universitet (Kazakh State University) participated in the investigations. The following devices were used: a spectrograph ISP-22, an alternating current-luminous arc PS-39 or DG-1 as light source, carbon electrodes (distance: 3 mm), films of the type II and III (for the determination of tellurium), and an 8-ampere current. Time of exposure: 60 seconds. The analytical element-couples and the concentration interval are given (Table 1). Bismuth was used in the form of Bi_2O_3 with 3%

Card 1/2

SOV/32-25-3-19/62

Spectrum Analysis of Antimonate, Stannate, and the Products of Their Preparation

by weight and the analysis carried out according to the three standard patterns. For determining admixtures in metallic tin a method, which had been described in publications (Ref 3), was successfully used. Admixtures in antimony can be determined by the slightly modified Giredmet method. Indium and tellurium are determined in the alternating current-arc in the combustion of a pulverized sample (Table 3). A. S. Bazhov, student of the Kazakh State University, and N. Ivanova, and N. I. Belousova, collaborators in the Works mentioned in the Association, took part in elaborating the methods of determining Te and In in slags and similar products. There are 3 tables and 3 Soviet references.

ASSOCIATION: Kazakhskiy gosudarstvennyy universitet im. S. M. Kirova i Chimkentskiy svintsovy zavod im. M. I. Kalinina (Kazakh State University imeni S. M. Kirov and Chimkent Lead Factory imeni M. I. Kalinin)

Card 2/2

POLATBEKOV, P.

Studying light reduction in organosols of an iron meteorite.
SSR no.99:74-78 '51.

Izv.AN Kazakh.
(MIRA 6:10)

(Absorption of light) (Meteorites)

68198

SOV/58-59-5-11113

9.3120

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 5, p 171 (USSR)

AUTHOR: Polatbekov, P.

TITLE: On the Temperature of an AC Arc Between Carbon Electrodes 7

PERIODICAL: Uch. zap. Kazakhsk. un-ta, 1957, Vol 30, pp 40 - 44

ABSTRACT: The author studied the effect of the content of CuSO_4 in a sample on the temperature of an AC arc between carbon electrodes. The concentration of the salt varied within the limits of 1 - 99%. The arc burned at an intensity of current of 8 a. The distance between the electrodes was set equal to 2 mm. The temperature was determined from Boltzmann's formula for two line pairs of iron, a salt of which was introduced into the sample in an amount of 1%. As the concentration of CuSO_4 increases to 30% the temperature of the arc drops, but upon a further increase in concentration it remains constant. The arc temperature depends upon the concentration of the sample component which ionizes readily (Cu). 4

L.A. Vaynshteyn

Card 1/1

27762
S/058/61/000/007/066/086
A001/A101

26.2311

AUTHOR: Polatbekov, P.

TITLE: Determination of atom concentration of some metals in a-c arc discharge

PERIODICAL: Referativnyy zhurnal, Fizika, no. 7, 1961, 304-305, abstract 7Zh102 (V sb. "Optika, Yadern. protsessy". Alma-Ata, 1959, 79-85)

TEXT: Using the method of N.A. Prilezhayeva (Tr. Sibirsk. Fiz.-tekh. in-ta, 1949, no. 28) the author determined concentration of Cr, Co and Cu atoms in arc discharge between spectrally pure carbon electrodes. The arc was power supplied from a ПС-39 (PS-39) generator. Oxides of Bi and Mg were contained in the specimens in all cases. The arc temperature was determined from the ratio of intensities of atomic Bi two lines, and ionization degree from the ratio of intensities of line Mg I 2777 Å and Mg II 2796 Å. Spectra were taken on a ИСП-22 (ISP-22) spectrograph. It follows from the data obtained that arc temperature decreases with increasing concentration of Cr, Co and Cu. Beginning from a certain concentration, temperature almost does not depend on impurity content.

Card 1/2

POLATBEKOV, P.P., kand. fiziko-matem. nauk; ZHUKOV, I.A.

Effect of sodium on the distribution of cobalt atoms. Vest.
AN Kazakh. SSR 21 no.12:64-68 D '65. (MIRA 18:12)

SHAKOV, I.I., dotsent; POLATKHANOVA, K.B., assistant

Radiographic diagnosis of primary and chronic osteomyelitis.
Azerb.med.zhur. no.8:21-27 Ag '59. (MIRA 12:11)
(OSTEOMYELITIS) (DIAGNOSIS, RADIOSCOPIC)

SHAKOV, I.I., dotsent; POLATKHANOVA, K.B., kand.med.nauk; BAYRAMALIBEYLI, I.T.

X-ray picture of changes in the bones in leprosy. Vest.rent.i
rad. 40 no.5:42-45 S-Q '65. (MIRA 18:12)

1. Kafedra rentgenologii i meditsinskoy radiologii (zav. - dotsent
I.I.Shakov) Azerbaydzhanskogo instituta usovershenstvovaniya
vrachey imeni A.M.Aliyeva i Azerbaydzhanskiy respublikanskiy
klinicheskiy leprozoriy, Baku.

POLATOV, Ya.

Turkmen S.S.R. Avt.transp. 35 no.10:36 0 '57.

(MIRA 10:10)

1.Ministr avtomobil'nogo transporta i shosseynykh dorog Turkmeniskoy
SSR.

(Turkmenistan--Transportation, Automotive)

L 13768-66 EWT(m)/EWP(j)/T RM
ACC NR: AP6015648 (A) SOURCE CODE: UR/0413/66/000/009/0059/0059

INVENTOR: Polatovskaya, R. A.

ORG: none

TITLE: Method of obtaining elastic polyacrylonitrile fiber. Class 29, No. 181235
[announced by the All-Union Scientific Research Institute of Synthetic Fibers
(Vesoyuznyy nauchno-issledovatel' skiy institut sinteticheskikh volokon)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 59

TOPIC TAGS: synthetic fiber, polyacrylonitrile, polyacrylonitrile fiber

ABSTRACT: An Author Certificate has been issued describing a method of obtaining elastic polyacrylonitrile fiber by molding it from a polyacrylonitrile solution in a water-dimethylformamide bath with the addition of lyophilic salts. To improve the physical and mechanical properties of the fiber without complicating the regenerative process, the lyophilic salts, such as inorganic salts of metals, are introduced into the spinning solution of polyacrylonitrile. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 29Oct63/

Card 1/1 07/ [Signature] UDC: 677.494.745.32.862.511.13:541.182.64

TERAYEV, V.A.; POLATOVSKIY, B.S.

Grooving analysis for beam rolling. Sbor. trud. UNIIM
no.11:168-177 '65.

(MIRA 18:11)

POLATOVSKIY, F.

Why don't they make the necessary posters. Mast. ugl. 7 no.11:26
N '58. (MIRA 11:12)

1. Nachal'nik uchebnogo punkta shakhty "Belorechenskaya" kombinata
Luganskugel'.

(Mining engineering--Study and teaching)
(Visual education)

BELEC, C.; POLATYNSKA-WECIAWOWICZ, J.

Mechanism of lymphopenia after cortisone treatment. Przegł. lek., Krakow
8 no. 8:245-246 1952. (GLML 23:5)

1. Of the Institute of General and Experimental Pathology (Head--Prof.
Bronislaw Giedoss, M.D.) of Krakow Medical Academy.

POLATYNSKA-WECLAWOWICZ, JOANNA
LIWSZYC, Stanislaw; POLATYNSKA-WECLAWOWICZ, Joanna

Effect of irritation of the autonomic nervous system on the function of the kidneys. Przegł. lek., Krakow 11 no.3:70-72 Mar 55.

1. Z zakladu potologii ogolnej i dosw. A.M. w Krakowie; kier. prof. dr. B.Giedosz.

(KIDNEYS, physiology
eff. of irritation of autonomic nervous system)
(AUTONOMIC NERVOUS SYSTEM, physiology
eff. of irritation of kidneys funct.)

LIWSZYC, Stanislaw; POLATYNSKA-WECLAWOWICZ, Joanna, Krakow.

Effect of irritation of the autonomic nervous system in kidney function. 2 communication. Przegl.lek., Krakow 11 no.9:277-279 1955.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A. M w Krakowie.
Kierownik: Prof. dr med. B.Giedosz.

(AUTONOMIC NERVOUS SYSTEM, physiology,
eff. of irritation on kidney funct. in rabbits)

(KIDNEYS, physiology
funct. eff. of irritation of autonomic NS in rabbits)

LIWSZYC, Stanislaw; FROMOWICZ, Kurt Karol; OSTERCZY, Zbigniew;
POLATYNSKA-WECLAWOWICZ, Joanna

Vegetative factor in pathogenesis of nephritis and in attempted application of phenothiazine derivatives. Polski tygod. lek. 11 no.22:977-981 28 May 56.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej AM w Krakowie; kier. prof. dr. Br. Giedosz i z III Kliniki Chorob Wewn. AM w Krakowie; kier. prof. dr. J. Aleksandrowicz, Krakow, ul. Kopernika 17, III Kl. Chor. Wewn.

(NEPHRITIS, experimental,
autonomic factor in, eff. on chlorpromazine ther. (Pol))
(CHLORPROMAZINE, effects,
on exper. nephritis, autonomic factor in (Pol))
(AUTONOMIC NERVOUS SYSTEM, in various diseases,
exper. nephritis, role in chlorpromazine ther. (Pol))

Poland/Pharmacology. Toxicology. Tranquilizers

V

Abs Jour : Ref Zhur-Biol., No 8, 1958. 37488

Author : Liwszyc S., Polatynska-Weclawowicz-J

Inst : Not given

Title : Effect of Stimulation of the Automatic Nervous System on Renal Functions and the Results of an Attempt to Prevent a Renal Nervous Reaction with the Help of Largactil. Report III. (Vliyaniye razdrasheniya vegetativnoy nervnoy sistemy na deyatel'nost' nochek i rezul'tati popytki predotvrashcheniya nervnoy reaktsii pochek pri pomoshchi largaktila. Soobshcheniye III).

Orig Pub : Przel. lekar., 1956, 12, No 2, 55-59

Abstract : The irritation of a dissected jugular bag on the necks of rabbits with a 5% solution of quinine chloride or with urea produced albuminuria and

Card 1/2

POLATYNSKA-WECAWOWICZ, J.

St. Liwszyc, K. K. Fromowicz, Z. Osterczy, and J. polatynska-Wecawowicz: "Die Rolle des neurovegetativen Faktors in der Pathogenese der Nierenenzuendung und Versuche ihrer Behandlung mit Phenothiazinderivaten," Das Deutsche Gesundheitswesen; Zeitschrift fuer Medizin. (Berlin, 11th Yr., No. 30, 26 Jul 56, p. 1012.

Title: The Role of Neurovegetative Factors in the Pathogenesis of Nephritis and the Investigation of its Treatment with Phenethiazine Derivatives.

From the Institute for General and Experimental Pathology, Med. Acad., Krakow (headed by Prof. Dr. Giedosz) and from the No. 3 Clinic for Internal Diseases, Med. Acad., Krakow, (headed by Prof. J. Aleksandrowicz).

POLATYNSKI, Stanislaw

Accidents and breakdowns in railway transportation of metallurgical plants. Hutnik P 30 no.9:301-303 S '63.

1. Huta im. Lenina, Nowa Huta - Krakow.

POLATYNSKI, Stanislaw

Railroad transportation between ore sintering plants and blast furnaces. Wlad hut 16 no.4:127-129 Ap '60.

POLATYNSKI, Stanislaw

How the unloading station in the metallurgical industry should
be built. Wiad hut 15 no.10:319-320 0 '59.

POLATYNSKI, Stanislaw

Railway tracks should be clean. Wiad hut 15 no.11:353-354 N '64.

POLATYNSKI, Stanislaw

Attention, no visibility. Wlad hut 21 no.2:58-59 F '65.

FOIAT-SADE, A.; ALIYEVA, A.S., red.

[Water intakes in mountain rivers] Vodozabornye sooruzheniia na gornyykh rekakh. Baku, Azerneshr, 1964. 102 p.
(MIRA 17:10)

GREGORY : [unclear]
 GREGORY : [unclear] Animal. C title. 4-1
 ABST. JOUR. : FEbiol., No. 4, 1959, No. 16666
 AUTHOR : Polatzade, A.
 INST. : [unclear]
 TITLE : Some Breeding Problems Concerning the Animal Husbandry of Azerbaijan.
 ORIG. PUB. : [unclear], Azerbaijan, 1957, No. 2, 1957
 ABSTRACT : [unclear] with 1960 tons or thousands of [unclear] increased cattle of Azerbaijan, [unclear] and other breeds were imported to [unclear]. In 1959 there were 15.8 percent of purebred cows of Azerbaijan, in 1958, 12.8 percent, and in 1956, 12.4 percent, of [unclear] and [unclear] not correspond to the [unclear] and [unclear] and the efforts involved in [unclear] breeding the cattle. On farms where the work in [unclear] cattle has been conducted systematically, there are cows with a live

CARD: 1/1

COUNTRY : USSR
CATEGORAY : East Africa, Central. -8

ASS. JOUR. : RZRAol.. No. 4, 1959, No. 16660

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : ... of 400-450 kg. At Kollhones which ...
... regarding ... more than 5,000 ...
... ... (lay ...
... ... than 500 kg and ...
... 3,500-5,700 g). Measures are considered
... which would improve cattle in ...

CARD: 1/2

POLCHLOPEK, Tadeusz

Combating the decay of drilling fluid by using plastics.
Wiad naft 10 no.6:134-136 Je '64.

New equipment in drilling engineering. Ibid.:150-151

POLAT-ZADE, A. A., Cand Tech Sci -- (diss) "Mountain water-head[#]
under conditions of ^{the} Azerbaydzhan SSR." [Mos], 1958. 12 pp
(Acad of ^{Construction} ~~Building~~ and Architecture USSR, All-Union Sci Res
Inst of Water Supply, Sewerage, ^{autic Engineering Structures,} ~~Hydrotechnical Installations~~
and Engineering Hydrogeology VODGEO), 150 copies (KL, 35-58,
109)

POLAUDIN, A.M.

RT-1236 (Outlook on oil capacity of the monoclinial fold along the Caspian Sea) Abstracted
from: Perspektivy neftenosnosti prikaspiiskoi monoklinali.
AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO, (10): 1-2, 1947.

POLAUDIN, G.A.; GASANOV, R.A.

Geological structure and oil potential of the Karabagly area,
based on drilling data. Azerb.neft.khoz. 4i no.7:1-5 JI '62.
(MIRA 16:2)

(Azerbaijan—Petroleum geology)

L 15488-66

ACC NR: AT6007456

SOURCE CODE: HU/2505/65/026/COX/0054/0054

AUTHOR: Salmeci, L.; Polay, Erika

26

B+1

ORG: Institute of Pathophysiology, Medical University of Budapest (Budapesti Orvostudományi Egyetem, Koralettani Intézet)

TITLE: Effect of ACTH on the 5-OH-indole acetic acid (5-HIAA) excretion of rats
[This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 54

TOPIC TAGS: ACTH, rat, ⁵⁵endocrinology, excretion, serotonin, spectrophotometric analysis, aromatic carboxylic acid

ABSTRACT: 5-HIAA is a degradation product of serotonin and other indole derivatives and it is excreted in the urine. From the changes in the amount excreted, direct conclusions may be drawn as to serotonin metabolism. The possible influence of ACTH on the urinary excretion of 5-HIAA has been investigated. Albino rats of either sex, weighing 80-125 g, were used. On 20-22 hour urine collections, the 5-HIAA was determined by UDENFRIEND's spectrophotometric method at 540 mμ. The ACTH was injected in

Card 1/2

L 9759-66

ACC NR: AP6001952

SOURCE CODE: HU/0018/65/017/001/0040/0042

AUTHOR: Toth, Tamas--Tot, T.; Polay, Erika--Polai, E.; Uhereczky, Gabor--
Ukheretski, G.

ORG: Institute of Pathophysiology, Medical University of Budapest (Budapesti
Orvostudományi Egyetem Korelettani Intezete)

TITLE: Development of Lorinc-Goracz type of acute renal hypertension in cats

SOURCE: Kiserletes Orvostudomány, v. 17, no. 1, 1965, 40-42

TOPIC TAGS: experiment animal, surgery, blood pressure, urology, animal physiology

ABSTRACT:

The hypertension operation described by Lorinc and Goracz on rats can also be used on cats. The essence of the technique is the covering of both kidneys with a slightly extended rubber capsule. The normal blood pressure of 32 cats was 143 mm Hg. The blood pressure of 5 animals remained unchanged following a sham operation. Of the remaining 27 animals, the blood pressure rose to above 200 mm Hg in 19, three days after the operation, 3 showed no significant change and 5 died. The maximal blood pressure obtained was 240 mm Hg. From the fourth postoperative day on, the animals succumbed rapidly. For this reason, the method can only be used in acute experiments.

Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 12Mar64 / ORIG REF: 001 / OTH REF: 002

Card 1/1

POLAY, E.

Problem of legal representation of local soviets. p. 651.
Vol 7, no. 11, Nov. 1955. PRZEGLAD PAPIERNICZY. Lodz, Poland.

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

L 20726-65 EED-2/EWT(d)/EWT(1)/EWT(m)/FA/EWP(h)/FS(b)/T-2 Pq-4 AFMD(f)/
AFTC(a)/AFGC(b)/AFGC(a) TT/JMA S/0209/64/000/011/0076/0080
ACCESSION NR: AP4049505

AUTHOR: Polarov, V. (Captain, Engineer); Devidze, B. (Major in the technical serv. c.),

TITLE: A control testing platform facility

SOURCE: Aviatsiya i kosmonavtika, no. 11, 1964, 76-80

TOPIC TAGS: aircraft testing, testing platform, control testing platform

ABSTRACT: The "Control Testing Platform" is a system developed for testing aircraft mounted on a test-stand. Prior to the construction of such platforms, testing was inefficient. The present article provides a detailed description of the components of the Control Testing Platform. The proper utilization of a testing platform assures its users of the workability and reliability of the planes being tested, as well as their component systems. Propulsive, as well as other aviation equipment, can be tested under conditions closely approximating those of actual flying. If defects are discovered in a test model, the head of the TECH is informed. The defects are aired before all commanders, and decisions are then made as to the means of eliminating such defects. If the defect is structural and its correction would require disassembly and reassembly, further testing is halted. Since the inception of the use of control testing platforms, no serious defects

Card 1/2

I. 20726-65

ACCESSION NR: AP4049505

have been discovered in any aircraft that have been successfully checked out.
Orig. art. has: 1 photograph and 1 diagram.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: AC

NO REF SOV: 000

OTHER: 000

Card 2/2

POLAZHINETS, M.N. (Uzhgorod, ul. Timiryazeva, d.3)

Functional and morphological changes in animals following ligation of the pulmonary artery [with summary in English]. Vest.khir. 82 no.1:115-118 Ja '59. (MIRA 12:2)

1. Iz kafedry khirurgii (zav. - dots. A.V. Fedinets) Uzhgorodskogo universiteta (nauchn. rukovod. - prof. V.L. Khonkin)
(ARTERIES, PULMONARY, surg.
ligation, funct. & morphol, changes in dogs (Rus))

POLAZHINETS, M. N., Cand Med Sci -- "Ligature of the pulmonary artery (~~an~~ ^{an} experimental study)." Rostov n/D, 1961.
(Min of Health RSFSR. Rostov n/D State Med Inst) (KL, 8-61, 263)

- 506 -

POIBEL'SKI^Y, C.

3786. DETERMINATION OF AROMATIC SUBSTITUTED GROUPS IN COAL, ANTHRACITE AND ROSE.
Polbel'skii CN (Ugol (Coal), 1949, (12), 16, 17).

Difficulty is experienced in applying the relevant U.S.S.R. standard specification because many samples of coal are not wetted by water, but float on the surface when placed in a pycnometer. This can be overcome without loss of accuracy by dissolving 0.5% of sulphuric acid in the water. (1)

immediate source clipping

POLBOYARINOV, D.N.,

P. P. BUDNIKOV, Tekhnologiya Keramiki i ogneuporov.
Moscow: Promstroizdat. 1950. 575 pp R. 25-70.

POLCAK, J.; SCHREIBER, B.; SEVELOVA, D.; VOTANA, L.; RUMSTUKOVA, J.;
Za spolupre spoluprace: SKALOVE, M.

Determination of toxicity of trypsin by intravenous
administration in rabbits. Vnitr. lek., Brno 1 no.11:
809-815 Nov 55.

1. Z II. vnitřni kliniky MU v Brne, prednosta prof. MUDr.
Jiri Polcak. Prof. MUDr. P. J., Brno, Lastersrska 9.
(TRYPSIN, toxicity,
determ., intravenous admin. in rabbits.)

POLCAK, J.

2

CZECHOSLOVAKIA

POLCAK, J., Prof. Dr; VOKURKA, V; SKALOVA, M.

Second Internal Medicine Clinic of the Medical Faculty UJEP
(II vnitřní klinika lékařské fakulty UJEP), Brno (for
all)

^{Prague}
~~Brno~~, Vnitřní lékařství, No 7, 1963, pp 638-640

"The Significance of the Collodion Reaction in Ulcerative
Colitis."

POLČÁK, J.
EXCERPTA MEDICA Sec.5 Vol.10/5 Gen.Pathology May57

1471. POLČÁK J., SCHREIBER B., ŠEVELOVÁ D., VOTAVA L., RUNŠTUKOVÁ J. and SKÁLOVÉ M. 2. Vnitřní Klin. MU, Brno. *Vliv nitrožilně podaného trypsinu na průběh pokusné nefritisy u králíků. The effect of trypsin administered intravenously upon the course of experimental nephritis in rabbits VNITŘ. LÉK. 1956. 2/1 (46-49) illus. 9

In 15 rabbits nephritis was produced by means of a nephrotoxic serum. To 10 rabbits trypsin was given intravenously 1, 24 and 48 hr. after the injection of

1471

CONT.

nephrotoxic serum. In all trypsin-treated animals the nephritic changes showed to be focal in comparison with the diffuse lesions in the controls.

Dvořáček - Olomouc

EXCERPTA MEDICA Sec 10 Vol 10/12 Obstetrics Dec 57

2111. POLČÁK J., SCHREIBER B., ŠEVELOVÁ D., VOTAVA I., RUNŠTUKOVÁ J. and SKALOVE M. II. Vnitřní Klin. Brněnské Univ., Brno. *Změny srážecích a protisrážecích činitelů fibrinolysy v těhotenství a u těhotenské nefropatie. On the modification of the clotting factors, anticoagulant factors and of fibrinolysis in pregnancy and nephropathies of pregnancy VNITŘ. LÉK. 1956, 2/2 (144-147) Graphs 1 Tables 1

Determinations of bleeding time, coagulation time, prothrombin and thrombin time, antithrombin, factors V and VII, fibrinogen and fibrinolysin in normal women, pregnant women and pregnant women with nephropathies. There are some changes in factor VII, fibrinogen and fibrinolysin. There is marked increase of factor VII in normal pregnancy, less in nephropathies of pregnancy, increase of fibrinogen in pregnancy and more marked increase in nephropathies, moderate increase of fibrinolysin in pregnancy and nephropathies of pregnancy. These changes are believed to be due to intravascular lesions. Stransky - Manila (VI,10)

POLCAK, J.; VOKURKA, V.; SKALOVA, M.

Recent views on the etiology and pathogenesis of ulcerative colitis.
Cas.lek.cesk 100 no.4:112-114 27 Ja '61.

1. II.interni klinika v Brne, prednosta prof. dr J. Polcak.

(COLITIS ULCERATIVE etiol)

POLCAK, J., prof. MUDr.; POLCAKOVA, J.; SKALOVA, M.; HARASKOVA, R.

Circulating antibodies against milk proteins in ulcerative colitis. Bratisl. lek. listy 45 no.8:469-473 30 Ap '65

1. II. vnitřní klinika Lékařské fakulty University J.E. Purkyne v Brně (vedoucí: prof. MUDr. J. Polcak).

POJCAK, Jiri; VOKURKA, Vlastimil

Principal complications of ulcerative colitis. Pol. tyg. lek. 19
no.15:549-552 6 Ap '64.

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Brnie
(kierownik: prof. dr. J. Polcak).

POLEAK, JIFI

The effect of adenosinephosphoric acid on the secretion of galactose in catarrhal icterus. Jifi Polčák. *Lékařské Listy* 1, 40-2(1948).—In the great majority of cases of catarrhal icterus the injection of adenosinephosphoric acid increased excretion of administered galactose, whereas in other diseases of the liver this effect did not appear. The cause of this increased excretion of galactose cannot be explained since the effect can be attributed equally to an increased lymphatic inflammation of the liver or to an effect on the liver cells which have been damaged in the glycopexic function by the disease. This result did not occur with other diseases. Otto E. Lobstein

FOLCER, J.

"Experiences with the Stoker." p. 220

"The Initiative of Repairmen in Locomotive Depots Should Be Used More Economically."
p. 220 (Zeleznice, Vol. 3, no. 9, 1953, Praha)

SO: Monthly List of East European Accessions, / Library of Congress, March 1954, Uncl.
~~1953~~

POLCAK, Jiri; SEL, Bohumil

Glycoproteins & the activity of rheumatic disease. Cas. lek. cesk. 97
no.15-16:497-500 18 Apr 58.

1. II vnitřní klinika MÚ v Brně a Laborator patofysiologie krevního oběhu
prednosta prof. Jiri Polcak.

(ARTHRITIS, RHEUMATOID, blood in
glycoproteins, relation to activity of dis. (Cz))

(BLOOD PROTEINS, in various dis.
rheum. arthritis, relation to activity of dis. (Cz))

POLCAK, J., prof. MUDr.; POLCAKOVA, J.; SKALOVA, M.; HARASKOVA, R.

Circulating antibodies against milk proteins in ulcerative colitis. Bratisl. lek. listy 45 no.8:469-473 30 Ap '65

1. II. vnitřní klinika Lékařské fakulty University J.E. Purkyně v Brně (vedoucí: prof. MUDr. J. Polcák).

CZECHOSLOVAKIA
28 Jun 66

POLCAN, Anton
SCHREIBER, Zdenko, Engr

The above trade union officials were elected
full members of the Slovak Trade Union Council,
Bratislava, 28 June.

Praca, Bratislava, 29 Jun 66, p 1

(2)

POLEAR, K.; MUFAROVSKY, F.

"The S 11 Stadion Motorcycle."

AUTUM FILE, Praha, Czechoslovakia, Vol. 3, no. 5, May 1959

Monthly list of East European Accessions Index (EEAI), LC, Vol. 9, No. 9
August 1959

Unclassified

ACCESSION NR: AP4040792

Z/0055/64/014/006/0454/0458

AUTHOR: Caslavsky, J.; Polcarova, M.

TITLE: Observation of ferroelectric domains in barium titanate by x-ray diffraction microscopy

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 6, 1964, 454-458, 476a-b

TOPIC TAGS: solid state physics, crystal, lattice defect, single crystal, ferroelectric domain, barium titanate, x-ray diffraction, Lang method

ABSTRACT: Ferroelectric domains in single crystals of barium titanate were observed by the Lang method (transmission x-ray diffraction microscopy). It is shown that this method is suitable for studying ferroelectric domain structures and is said to have the advantage of forming an image of the whole volume of the crystal. By using different reflections, the visibility of 90 degree ferroelectric domains is studied. The results of x-ray observations agree with optical observations and also provide information on the distribution of stresses in the neighborhood of the domain wall. A

Card 1/2