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CIA-RDP86-00513R000617210001-3

BEGIN.

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CIA-RDP86-00513R000617210001-3"

REEL # 172

From: GRYGLIK, E

GRYGLIK, E.

P O I . 6

Investigation of the time of formation of calcinated phosphate. J. Bereski, B. Grygluk, F. Kammer, St. Mrovec, A. Pospisil, and T. Vesely. *Prace z Chemii*, 9, 372-2 (1953) (English summary). - Expts. on the lab. and pilot-plant scale showed that the output of rotary kilns and production of U₃O₈ fertilizer can be increased by establishing 20 min. as the time of reaction. Gene A. Worthy

AG (5)

GRYGLIKE

3606

Akerman K., Dankiewicz J., Dankiewicz M., Gryglak E., Piatelli Z., Fizyka
Fizyczna K. Manufaktury Magnesium, "thermooxidation from Apatite and
Serpentine".

601.832.722

"Otrzymywanie termoteksturowego z apatytu i serpentynu".
Przemysł Chemiczny, No. 10, 1963, pp. 403-407, 6 tabs.

A description of some experiments to obtain magnesium thermo-phosphate from apatite and serpentine on a laboratory and semi-technical scale, at a temperature of 1500°C. The use of special apparatus prevents the loss of phosphorus by reduction while the complete defluorination of the melt during the melting of raw materials is achieved. A fine granulated product is obtained directly through the immediate cooling of the alloy with water after it leaves the furnace. The difficulties connected with corrosion of the lining by melted phosphate have been eliminated.

G R Y G L I K , E

POLAND / Chemical Technology. - Fertilizers. Chemical Products
and Their Application. Part 2.

H-6

Abs Jour : Referat. Zhurnal Khimiya, No 4, 1958, 11895.

Author : E. Gryglik, P. Hoffmann, A. Pfeffer, Z. Pletti, T. Wesfalewicz.

Inst : Not given

Title : Application of Anhydrous Sodium Sulfate to "Superthomasin"
Production.

Orig Pub : Przem. chem., 1957, 13, No 6, 341 - 343.

Abstract : Pilot plant and factory experiments showed the possibility of a partial and a complete substitution of soda with Na sulfate at the manufacturing of "superthomasin". The process proceeds normally and yields a high quality product, which does not contain sulfides and is not hygroscopic.

Card 1/1

AKERMAN, Karol; HORNANI, Przemyslaw; POCZYNAJLO, Andrzej; GLAZA, Jan;
GRYGLIK, Eugeniusz; PLETTI, Zdzislaw; BEMESKI, Jerzy

Marking-out of material streams in rotary kilns for super-
Thomas production in the BONARKA Works in Krakow. Przem
chem 40 no. 7-380-383 Jl '61.

1.- Instytut Badan Jadrowych, Polska Akademia Nauk, Warszawa i
Fabryka Supertomasyny BONARKA, Krakow.

Distr: 4E3c/4E3d

637.56

✓ 6830. APPLICATION OF LANGMUIR'S ELECTRICAL PROBE TO
THE DETERMINATION OF PLASMA PARAMETERS IN AN
ELECTRICAL DISCHARGE. [Generalna]
Rosprawy Elektrotech., Vol. 5, No. 2, 3-20 (1957). In Polish, with
summary (1 p.) in English.

An outline is presented of Langmuir's electrical probe theory
and its assumptions are discussed. Sources of errors and the range
of applicability of the method for determining plasma parameters
are considered. The method is illustrated by investigations with
plane and cylindrical probes in mercury vapour at low pressure.
Z.Kragulski

2
1-TK
2

(W)

GRYGOŁAJTYS, J.

A voltage regulator of domestic production for rectifier substations on the Polish State Railroads. p. 176.

PRZEGŁAD KOLEJOWY ELEKTROTECHNICZNY. (Wydawnictwa Komunikacyjne) Warszawa, Poland, Vol. 11, no. 6, June 1959.

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

Uncle.

GRYGOLAJTYS, Jan.

11.24.00

S/196/62/000/021/001/007
E194/E135

AUTHOR: Grygolajtys, Jan

TITLE: Transient processes in electrical circuits with concentrated linear impedances

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no. 21, 1962, 7-8, abstract 21 A 40. (Prace Inst. elektrotechn., v. 8, no. 24, 1960, 1-28). (Polish summaries in Russian, French and English).

TEXT: Classical methods of solving differential equations are inadequately used in considering transient processes. The method of successive elimination of unknowns can be successfully used for solving differential equations of transient processes in complicated electrical circuits. The differential equation of a circuit consisting of two independent loops is:

$$A_1 \frac{d^2x}{dt^2} + A_2 \frac{dx}{dt} + A_3 x + B_1 \frac{d^2y}{dt^2} + B_2 \frac{dy}{dt} + B_3 y = u_1(t),$$

Card 1/5

Transient processes in electrical ... S/196/62/000/021/001/007
 E194/E135

$$B_1 \cdot \frac{d^2x}{dt^2} + B_2 \cdot \frac{dx}{dt} + B_3 x + D_1 \cdot \frac{d^2y}{dt^2} + D_2 \cdot \frac{dy}{dt} + D_3 y = u_2(t)$$

which may be solved by the following substitutions:

$$f_1 = D_1 \cdot \frac{d^2u_1}{dt^2} + D_2 \cdot \frac{du_1}{dt} + D_3 u_1 - B_1 \cdot \frac{d^2u_2}{dt^2} - B_2 \cdot \frac{du_2}{dt} - B_3 u_2,$$

$$f_2 = A_1 \cdot \frac{d^2u_2}{dt^2} + A_2 \cdot \frac{du_2}{dt} + A_3 u_2 - B_1 \cdot \frac{d^2u_1}{dt^2} - B_2 \cdot \frac{du_1}{dt} - B_3 u_1$$

whence two fourth order equations with separate unknowns may be obtained:

$$f_1 = a_4 x^{IV} + a_3 x^{III} + a_2 x^{II} + a_1 x^I + a_0 x,$$

$$f_2 = a_4 y^{IV} + a_3 y^{III} + a_2 y^{II} + a_1 y^I + a_0 y.$$

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Transient processes in electrical...

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Differential equations of higher orders are reduced to a system of first order equations:

$$x' - \alpha_1 x = z_1, \quad z_1' - \alpha_2 z_1 = z_2, \quad z_2' - \alpha_3 z_2 = z_3,$$

$$z_3' - \alpha_4 z_3 = \frac{1}{a_4} f_1(t),$$

where α_1 , α_2 , α_3 and α_4 are roots of the characteristic equations. Instead of the reduced system of first order equations resolved one after the other, a system resolved in parallel may be obtained:

$$w_1' - \alpha_1 w_1 = \frac{1}{a_4} f_1(t), \quad w_2' - \alpha_2 w_2 = \frac{1}{a_4} f_1(t),$$

$$w_3' - \alpha_3 w_3 = \frac{1}{a_4} f_1(t), \quad w_4' - \alpha_4 w_4 = \frac{1}{a_4} t_1(t).$$

The auxiliary functions w_1 , w_2 , w_3 and w_4 obtained from these

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Transient processes in electrical... E194/E135

may be used to find the unknowns x, x^I, x^{II}, x^{III} from the system of algebraic equations:

$$w_4 = x^{III} - (\alpha_1 + \alpha_2 + \alpha_3)x^{II} + (\alpha_1\alpha_2 + \alpha_1\alpha_3 + \alpha_2\alpha_3)x^I - \alpha_1\alpha_2\alpha_3x ;$$

$$w_3 = x^{III} - (\alpha_1 + \alpha_2 + \alpha_4)x^{II} + (\alpha_1\alpha_2 + \alpha_1\alpha_4 + \alpha_2\alpha_4)x^I - \alpha_2\alpha_3\alpha_4x ;$$

$$w_2 = x^{III} - (\alpha_1 + \alpha_2 + \alpha_4)x^{II} + (\alpha_1\alpha_3 + \alpha_1\alpha_4 + \alpha_3\alpha_4)x^I - \alpha_1\alpha_3\alpha_4x ;$$

$$w_1 = x^{III} - (\alpha_2 + \alpha_3 + \alpha_4)x^{II} + (\alpha_2\alpha_3 + \alpha_2\alpha_4 + \alpha_3\alpha_4)x^I - \alpha_2\alpha_3\alpha_4x .$$

For the first order differential equation $x' - \alpha\dot{x} = y$ cases are considered of intermittent changes in y and x and also graphical methods of solving such equations.

Card 4/5

Transient processes in electrical ... S/196/62/000/021/001/007
E194/E135

Note of the (Russian) abstractor: In the original there are errors in formulae (4) and (6). The final composite terms of these formulae should be a_0^x and a_0^y , not a_0 . JA

[Abstractor's note: Complete translation.]

Card 5/5

GRYGOLOWICZ, M. : MIACZINSKI, F.

Standardizing the consumption and management of spare parts ofr automobiles. p. 209.
Vol 10, no. 7, July 1955. MOTORYZACJA. Warsaw, Poland.

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

GRYCOF ZAKS, S.

Third way of parallactic traversing.

P. 113 (PRZEGLAD GROMADZONY) Poland, Vol. 13, No. 3, Mar. 1957

SO: Monthly Index of European Accessions (AM 1) Vol. 6, No. 11, November 1957

GRYGORCZUK, S.

accuracy in geodetic works and matters. p.65

PRZEGLAD GEODEZYJNY. (Stowarzyszenie Naukowe-Techniczne Geodetow Polskich)
Warszawa, Vol. 15, no. 2, Feb. 1959

POLAND

Monthly List of European Accessions (EEIA) LC, Vol. 8, no. 7, July 1959.

Uncl.

GRYGORCZUK, Szymon

Remarks on the article "On certain problems concerning polygonal
methods applied in surveying in the light of technical instructions."
Przegl geod 34 no.7:306-307 Jl '62.

GRYGORCZUK, Szymon

Universal traverses. Przegl geod 35 no.1:6-9 Ja '63.

L 27855-65 FSF(h)/EWT(1)/EWA(h) Pn-h/Pac-h/Peb
ACCESSION NR: AP5000622

8/06/84/009/011/1185/1191

40

39

38

AUTHOR: Grygorenko, V.G.; Grigorenko, V.G.

TITLE: A high-speed microwave interferometer with direct reading of phase shift

SOURCE: Ukrayins'kyj fizichnyj zhurnal, v. 9, no. 11, 1984, 1185-1191

TOPIC TAGS: interferometer, phase shift, electronic circuit, microwave interferometer, plasma

ABSTRACT: Recently, microwave methods have been widely used in plasma studies. Their advantages lie in the fact that they introduce no perturbations in the plasma because the antennae for picking up signals can be placed outside the evacuated volume containing the plasma. Microwave interferometers are the most convenient for such measurements. Interferometric measurements enable the changes in concentration of electrons in the plasma and the changes in the frequency of collisions to be determined as a function of time. The article reviews some of the principles of the existing interferometer circuits. In order to utilize the circuit simplicity of an ordinary interferometer it is necessary to connect two additional phase detectors A, B, C (see Fig. 1 of the Enclosure) and to make use of computer circuits for the registration. Because of such a connection the interference pattern of the waves will be moving in the ABC direction or the CBA direction.

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ACCESSION NR. AP5000622

depending on the sign of the phase shift. Thus, each detector will produce identical but shifted-in-time interference patterns (see Fig. 2 of the Enclosure). Using such interference patterns, converted into pulses, it is possible to obtain information regarding the sign and magnitude of a phase shift from the sequence and number of pulses, respectively, produced by one detector. The formation and conversion of the interference information into pulses is done by amplification, limiting and differentiation.

Orig. art. has: 12 figures.

ASSOCIATION: Fizyko-tehnichnyy instytut AN URSR, Khar'kov (Physico-technical institute, AN URSR)

SUBMITTED: 25Feb64 ENCL: 02

SUB CODE: GP, BC

NO REF SOV: 001 OTHER: 005

Card 2/4

GRYJAREWICZ, Stanislaw, inz.

Redesigning aims in the construction of slotting tools for
circumferential working of gears. Mechanik 36 no.6:
288-289 Je '63.

l. Fabryka Wyrobów Precyzyjnych im Gen. Swierczewskiego,
Warszawa.

GRYJAROWICZ, S.; MINTUS, T.

New ideas for the construction of thread-cutting machines. p. 605

MECHANIK. (Stowarzyszenie Inżynierow i Technikow Mechanikow Polskich) Warszawa,
Poland, Vol 32, No. 9, Sept. 1959.

Monthly list of East European Accession (EEAI) LC., Vol. 9, No.1, Jan. 1960

Uncl.

GRYK, S. Ya., inzh.

Using cellulose for removal of iron from condensate. Energetik
8 no.5:13-15 My '60. (MIRA 13:8)
(Feed-water purification) (Filters and filtration)

GRYK, S.Ya., inzh. (L'vov)

Causes of the formation of incrustations on the internal
surfaces of the boilers of a heat and electric power plant.
Energetik 13 no.11:8-9 N '65. (MIRA 18:11)

CRYKALOWSKA, Z.

The Warsaw grain workers about their work. p. 7.
Vol. 6, no. 12, Dec. 1955 Warszawa GOSPODARKA ZABOZOWA

SOURCE: East European Accession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

GRYKSZTAS, W.

"Tasks of the Metallurgical Industry." p.2
(WIADOMOSCI HUTNICZE Vol. 10, no. 1, Jan. 1954 Stalinogrod, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

GRYKSZTAS, W.

Ten years of People's Poland. p. 157. (WIADOMOSCI HUTNICZE, Vol.10, No. 6,
June 1954, Stalingrod, Poland)

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

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CIA-RDP86-00513R000617210001-3

GRYKSZTAS, W.

Ten years of metallurgy in People's Poland. p. 158. (WIADOMOSCI HUTNICZE,
Vol. 10, No.6, June 1954, Stalinogrod, Poland)

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

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3"

GRYKSZTAS, Wladyslaw

✓ 2164* China—Industrial Power of the Future. Chiny—przemysłowe mocarstwo przyszłości. (Polish.) Wladyslaw Gryksztas. *Wiadomości hutnicze*, v. 11, no. 10, Oct. 1955, p. 321-328.
MG For the sixth anniversary of Red China's regime, author reviews their metallurgical progress, including steel work at Anshan southwest of Mukden. Photographs.

Gryksztas, W.

May 1, 1955. p. 149

Scientific conference of metallurgists organized by the Committee on Metallurgy of the Polish Academy of Sciences and the Institute of Metallurgy and held at the Institute of Metallurgy in Gleiwitz, October 25, 1954. p. 150

Vol. 22, no. 5, May 1955, HUTNIK

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), Vol. 4, LC, No. 9,
Sept. 1955, Uncl.

GRYKSZTAS, W.

TECHNOLOGY

PERIODICAL: HUTNIK, Vol. 25, no. 7/8, July/Aug. 1958.

GRYKSZTAS, W. 14th anniversary of the Polish Committee of National Liberation, p.235.

Monthly List of East European (EEAI) LC Vol. 8, No. 4 April, 1959, Unclass.

GRYKSZTAS, Wladyslaw

Economic competition between U.S.S.R. and U.S.A. Wiad hutr
15 no.4:131-133 Apr.'59.

GRYKSZTAS, Wladyslaw

The 15th anniversary of the July Manifesto. Wiad. hut 15 no.7/8:
205-207 Jl-Ag '59.

GRYKSZTAS, Wladyslaw

Will the U.S.S.R. soon outdistance the U.S.A.? Wiad. hut 15
no.11/12:333-336 N-D '59.

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3

GRYKSZTAS, Wladyslaw

The July anniversary of the Polish Committee of National
Liberation. Wiad huk 16 no.7/8:201-202 Jl-Ag '60.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3"

GRYKSZTAS, Wladyslaw

20 years of the Polish United Workers Party. Wiad huthn 18 no. 2:
33-34. F '62

1. Redaktor Dzialowy miesiecznika "Wiadomosci Hutnicze."

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3

GRYKSZTAS, Wl.

45th anniversary of the October Revolution. Hutnik P 29 no.11:
399-400 N '62.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3"

GRYICKI, MIROSLAV

✓ Roentgenographic method for the quantitative determination of quartz, cristobalite, and tridymite in refractory silica products.
MIROSLAV GRYICKI. *Silikalet.* 7, 81 425-26 (1958). The intensity of the interference lines in the X-ray powder diagram is measured by the Debye-Scherrer method. From the ratio of the intensity of the lines coordinated to the single phases, the ratios of the quartz, tridymite, and cristobalite contents in the sample can be calculated. Formulas are developed. The powder diagrams are made with CuK α radiation. The sample is well comminuted; the quartz content must be 2 to 30% and the ratios of tridymite and cristobalite no more than 10%. A complete example is given. 14 references.

H

COUNTRY : POLAND
CATEGORY : Chemical Technology. Chemical Products and Their
Applications. Ceramics. Binding Materials. *
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61513

AUTHOR : Grylicki, M.; Nadachowski, F.
INSTITUTE : -
TITLE : Effect of Barium Oxide on the Phase Composition
of Basic Refractory Materials
ORIG. PUB. : Prace Inst. hutn., 1952, 10, No 5, 243-245

ABSTRACT : In the Polish institute of the refractories effects of the BaO (B) addition on the phase composition of the refractories MgO - SiO₂ - Al₂O₃ - Fe₂O₃ - CaO (M-S-A-F-C) systems were investigated. Synthetic mixtures were prepared employing oxides, which were pressed into samples and calcined 2 or 3 times at 1350-1700° (depending on the composition of a mixture) until equilibria were attained. As a result of this investigation the discontinuity of solid

*Concrete.

1/3

Card:

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhKhim., No 17, 1959, No. 61513

AUTHOR :
INSTITUTE :
TITLE :

ORIG. PUB. :

ABSTRACT : solutions between B_2S and C_2S was established
Con'd together with the existance of 4 chemical com-
pounds: BM_3S_2 , BMS , $BC_2M_3S_2$ and $B_5C_3S_4$, not de-
scribed previously. For the latter compound their
refractory properties were determined, optical
characteristics and X-ray diagrams were obtained.
The second part of this investigation was devo-
ted to the effects of A and F on phase composi-
tion of S, B; C and M mixtures. It was establi-
shed that magnesioferrite (MF) may exist simul-
taneously in all th systems B_2S , C_2S , and M_2S .

Card: 2/3

H - 33

COUNTRY : II
CATEGORY :

ABS. JOUR. : RZhKhim., No 17, 1959, No. 61513

AUTHOR :
INSTITUTE :
TITLE :

ORG. PUB. :

ABSTRACT : Conversely, A forms only partially an MA spinel and partially BA which has a particularly high refractiveness (1820°). The addition of B affects favourably the high temperature resistive properties of orthosilicate mixtures and, in particular, an addition of 0.5 mols B for 1 mol S completely eliminates effects produced by monticellite (MCS), increasing the high temperature resistance of mixtures by 130-300°. As the result of this study it was established that by adding B to mixtures it was possible to improve properties of the basic refractory materials.

Card:

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-- S. Glebov.

COUNTRY : Ukr.
CATEGORY : Chemical Technology. Chemical Products and their Applications. Ceramics. Glass. Binding materials.*
ABS. JOUR. : RZhKhim., No 19, 1959, No. 68511

AUTHOR : Nadachowski, F.; Grylicki, M.

PUBLISHER : Phase Equilibria in the $\text{Na}_2\text{O} \cdot \text{SiO}_2 - 2 \text{CaO} \cdot \text{SiO}_2 - 2 \text{MgO} \cdot \text{SiO}_2$ System
ORIG. PUB. : Silicattechnik, 1959, 10, No 2, 77-80

ABSTRACT : For the clarification of the effect of BaO on the fused magnesite articles, mixtures composed of pure MgO , BaO , CaO , SiO_2 were subjected to calcination until phase equilibria were reached. This was followed by the study of their phase composition by the X-ray and microscopic examination methods. Of particular interest were the $2\text{MgO} \cdot \text{SiO}_2 - 2\text{BaO} \cdot \text{SiO}_2$ and $2\text{CaO}_2 \cdot \text{SiO}_2 - 2\text{BaO} \cdot \text{SiO}_2$ sides of the three-component triangular

*Concrete.

Card: 1/3

COUNTRY :
CATEGORY :

ABS. JOUR. : RZdKhim., No 19, 1959, No. 68511

AUTHOR :
INSTITUTE :
TITLE :

ORIG. PUB. :

ABSTRACT : diagrams, denoting compositions of orthosilicates.
Con'd Existence of four new compounds was revealed:
 $BaO \cdot 3 MgO \cdot 2 SiO_2$ - $BaO \cdot MgO \cdot SiO_2$ - $CaO \cdot 2 CaO \cdot MgO \cdot 2SiO_2$ and $5 BaO \cdot 2CaO \cdot MgO \cdot 3 SiO_2$. Solid solutions of the $2 CaO \cdot SiO_2$ - $2 BaO \cdot SiO_2$ type have wide insolubility areas of the fusion. Heat resistances and certain optical properties were determined. Roentgenograms of the new compounds were obtained. A possible prevention of the monticellite formation was revealed that could be accomplished by means of addition of corresponding quantities of BaO. A possible

Card: 2/3

H - 25

GRYLK, E.

Berejka J., Grylik E., Kammer F., Mrowec S., Pietl Z., Westkowicz T.
Investigation of the Reaction Period in Calcinated Phosphate Process
Kielce.

Badania nad czasem trwania reakcji powstawania superfosforanu -
Przemysł Chemiczny, No. 7, 1953, pp. 370-374, 8 tabs.

The reaction period in the preparation of calcinated phosphate now
applied in industry was investigated on laboratory and pilot plant scale.
The experiments point to the conclusion that the output of rotary kilns

and the production of the fertilizer can be increased by establishing
a certain minimum reaction period.

L 18234-63

BDS/EWP(r)/EWT(m) AFFTC

54
-1

ACCESSION NR: AP3000459

S/0198/63/009/003/0299/0307

AUTHOR: Mrylits'kyy, D. V.

TITLE: On the problem of the pressure of a rigid washer on a circular hole in an orthotropic plate

SOURCE: Prykladna mehanika, v. 9, no. 3, 1963, 299-307

TOPIC TAGS: anisotropic material, digital computer, isotropic material, structural element, contact problem, rigid washer

ABSTRACT: In modern technology, along with materials assumed to be homogeneous and isotropic, materials having anisotropic mechanical properties are used in the manufacture of machine parts and structural elements. The contact problem of the compression of two elastic bodies bounded by cylindrical surfaces with yearly equal radii thus acquires great importance. The present work is a continuation of an earlier investigation by the author, with the difference that the first order integral equation previously derived by the author on the basis of the book by G. M. Savin (Kontsentratsiya napryazheniy okolo otverstii. Gostekhizdat, 1951) is reduced to the solution of a system of algebraic equations (15) (given in Enclosure 1), together with condition (18) (Enclosure 2). Tables of values calculated for veneer

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L 18234-63

3

ACCESSION NR: AP3000459

plates are given. "In conclusion, let me note that the above calculations were mainly performed at the Computer Center of the L'vov Order of Lenin State University im. Iv. Franko on the Ural-1 all-purpose digital computer. I take this opportunity to express my appreciation to the associates of this center..." Orig. art. has: 18 equations, 1 figure, and 5 tables.

ASSOCIATION: L'viv's'kyy Derzhavnyy universytet (L'vov State University)

SUBMITTED: 12Nov62

DATE ACQ: 19Jun63

ENCL: 02

SUB CODE: 60 CP

NO REF SOV: 015

OTHER: 000

Card 2/4

G R Y L L S , E V A

H U N G

✓ Deformation of concentration distribution of solute in flow through heterogeneous systems. Gyorgy Oplatka and Eva Gryllus. *Acta Chim. Acad. Sci. Hung.* 31, 103-30 (1962). In the flow of liquid through heterogeneous systems, viz., spaces filled with granular or fibrous substances, the concn. distribution curves show deformation in the direction of decreasing concn. gradient. The measure of the deformation is shown mathematically (on a hypothesis of mixing in the flow conditions) to be definable by a characteristic magnitude which is const. for a given system. These considerations are applicable in the dynamic theory of ion-exchange columns, in the theory of countercurrent extn. (e.g., diffusion batteries in sugar manuf.), in washing-out processes, etc. Experiments on the flow of aq. NaNO₃ or NaCl through a column of Na-satd. ion exchanger gave results in good agreement with the above theory.

B. A.

GRYLLUS, V.

VAJNA, S.; GRYLLUS, V.

"Industrial application of formaldehyde titration." p. 185. (Magyar Kemikusok Lapja, Vol. 8, no. 6, June 1953, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Uncr

CRYLLOS V.

2

7. Measuring the resistance of columns charged with granular ion exchangers. V. Gulyas - Ceske Svazek Akademie Vieden, 1, 10-2 (1954) - Russ. Tech. Abstr. 7, No. 1, 6 (1955). When a column of ion-exchanging equipment is designed, the hydrodynamic resistance must be established since this is the pressure necessary for passing the liquid through the column. Resistance depends on the height of the column, the viscosity and velocity of the liquid, as well as on the quality (grain size and shape) of the ion exchanger. Resistance was measured on a lab. ion-exchanging column as a function of the velocity and viscosity of the flowing solution, as well as the height of the column. It was found that at velocities not exceeding 10-12 ml./hr., within the measured limits of viscosity, the resistance is linearly changed by the variables which implies that flow is of laminar character. At low velocities higher than that mentioned above, flow increases in proportion with time.

K. L. C.

PN
M+

GRYLLUS, V.

95. Experimental investigation of a counter-current ion exchange system - V. Gryllus. (Gesamtpar. Katal. inländ. Systemenbau. Vol. 1, 1958, No. 3, pp. 148-155, 6 figs., 9 tabs.)

CH By evolving a simplified method it was made possible to investigate the processes taking place in a counter-current system by means of a single ion exchange column. The findings verified the correctness of the theoretical correlations.¹ Detailed explanation is presented concerning the deviations found between the experimental data and the values obtained by the application of the theoretically evolved approximations. Experiments were carried out with sodium-ammonium exchange in the presence of chloride and carbonate anions. In both solutions the characteristic ion exchange rate ($2\dot{I}$) was determined, and λ investigated as a function of temperature. It was shown by these experimental data, that if the rate of exchange is known — which is easily determinable by a few laboratory measurements — the anticipated concentrations prevailing in a counter-current ion exchange process may be calculated in advance. Thus the most economical conditions of an ion exchange process may be estimated and the planning of the technology set on a sound basis.

COUNTRY : Hungary
CATEGORY :

H-28

ABS. JOUR. : RZKhim., No. 16 1959, p.

58814

AUTHOR : Kovács, L. and Nagyán, K.

UNIT : Not given

TITLE : The Use of Ion Exchange Resins in the Food
Industry

ORIG. PUB. : Elelm Ipar, 13, No 2, 46-50 (1959)

ABSTRACT : A review article with a bibliography listing
34 titles.

CARD: 1/1

GRYLLUS, Vilmosne

Bleaching of the sugar industry juices by ion exchange. Cukor
15 no.1:23-31 Ja '62.

1. Cukoripari Kutatointeset.

ZSIGMOND, Andras; GRYLLUS, Vilmosne

Countercurrent ion-exchanging column. Cukor 16 no.10:282-286
0 '63.

1. Cukoripari Kutatointezet. 2. "Cukoripar" szerkeszto bizottsagi
tagja (for Zsigmond).

ZSIGMOND, Andras; GRYLLUS, Vilmosne

Countercurrent ion-exchanging columns. Cukor 16 no.11:
305-310 N '63.

1. "Cukoripar" szerkeszto bizottsagi tagja (for Zsigmond).

ZSIGMOND, Andras; GRYLLUS, Vilmosne

A new type countercurrent ion exchange column. Elelm ipar 17
no.6:169-176 Je '63.

1. Cukoripari Kutato Intezet.

ZSIGMOND, Andras; GRYLLUS, Vilmosne

Experimental examination of countercurrent ion-exchanging
columns. Elelm ipar 18 no. 5: 143-148 My '64.

1. Hungarian Sugar Industry Research Institute.

BRELLI, V. (ed.)
MAGYAR KARDOGYO, OT.

Application of ion exchangers in the Hungarian food industry.
Földmérők 18 no.11:329-337 U '64.

I. Hungarian Sugar Industry Research Institute, Budapest.

ZSIGMOND, Andras; GRYLLUS, Vilmosne; MAGYAR, Karolyne, dr.

Application of ion-exchanging substances in the Hungarian
food industry. Pt.2. Elelm ipar 19 no.3:65-73 Mr '65.

l. Hungarian Sugar Industry Research Institute, Budapest.

SI163

S/021/60/000/002/004/010
A153/A02916.73⁰⁰

AUTHOR:

Grylyts'kyy, D.V.

TITLE:

Elastic Equilibrium of an Infinite Anisotropic Plate With a Soldered-In Rigid Elliptical Core Under the Effect of a Force and a Moment Applied at an Arbitrary Point of the Plate.

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi Radyans'koyi Sotsialistichnoyi Respubliky, 1960, No. 2, pp. 164 - 167

TEXT: Contributing to a study of elastic equilibrium of an infinite anisotropic plate with a soldered-in rigid elliptical core under the effect of a force and a moment applied to the plate at an arbitrary point, described by H.M. Savin (Ref. 1) and furthering his own work on subject matter (Ref. 2), the author mathematically examines the process of determining an angle of deflection ϵ in a case when the displacement of the plate's contour points is $u = -\epsilon y$, $v = \epsilon x$ (1) where u and v are components of the vector of displacement in Descartes' coordinate system, placing the origin grid in the center of the core and directing the axes along the main axes of an ellipse, then introducing a new change ζ . The angle of deflection is determined from the condition that the moment of the forces

Card 1/2

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S/021/60/000/002/004/010
A153/A029

Elastic Equilibrium of an Infinite Anisotropic Plate With a Soldered-In Rigid Elliptical Core Under the Effect of a Force and a Moment Applied at an Arbitrary Point of the Plate

acting upon the core from the direction of elastic material is zero (9). The final equation (12) determines the angle of deflection under the effect of a consolidated moment. The stresses must be calculated by respective formulas contained in the paper by H.M. Savin (Ref. 1). There are 2 Soviet references. (Abstracter's note: N.I. Muskhelishvili mentioned in the Russian and English summaries is nowhere referred to in the text). X

ASSOCIATION: L'vivs'kyy derzhavnyy universytet im. Iv. Franka (L'vov State University imeni Ivan Franko)

PRESENTED: by H.M. Savin, Academician, AS UkrSSR

SUBMITTED: April 14, 1959

Card 2/2

KRAKOWKA, Paweł; GRYMINSKI, Janusz; HALMEG, Halina

A case of aspergilloma of the lungs in a female patient with tuberculosis. Gruslica 27 no.10: 1061-1068 0 '59.

l. Z Oddziału XI i z Pracowni Mikologicznej Instytutu Gruslicy. Kierownik: doc.dr. P. Krakowka. Dyrektor: prof.dr. W. Jaroszewicz.

(TUBERCULOSIS PULMONARY compl.)

(ASPERGILLOSIS compl.)

(LUNG DISEASES)

KLOTT, Maria; KOZAKOW, Helena; GRYMINSKI, Janusz

Diagnostic difficulties in cases of eosinophilic infiltrations of
the lungs. Gruzlica 28 no.3:201-209 Mr '60.

l. z Oddzialu XI Instytutu Gruzlicy. Kierownik: doc.dr med.
P. Krakowicz. Dyrektor: prof.dr med. W. Jaroszewicz.
(LOEFFLER'S SYNDROME diag.)

GRYMINSKI, Janusz; KLOTT, Maria

A case of severe sensitivity to PAS, SM and INH with manifestations of the involvement of various organs. Gruzlica 29 no.3:281-292 Mr '61.

1. Z Oddzialu I Instytutu Gruzlicy Kierownik: doc. dr med. P. Krakowka Dyrektor: prof. dr med. W. Jaroszewicz.

(PARAAMINOSALICYLIC ACID toxicol)
(STREPTOMYCIN toxicol)
(ISONIAZID toxicol)

GRYMINSKI, Janusz; MALESZEWSKI, Stanislaw; TYSAROWSKI, Wieslaw

Effect of BCG resistance on the inclusion of methionine-S-35
into proteins of guinea pig organs in experimental tuberculosis.
Gruzlica 32 no.1:23-30 Ja'64

1. z Oddzialu I (Kierownik: doc. dr. P.Krakowka) i z Pracowni
Izotopowej (Kierownik: doc.dr. W.Tysarowski) Instytutu Gruzlicy.

*

KRAKOWKA, Paweł; GRYMINSKI, Janusz

Primary cancer of the trachea. Gruzlica 32 no.1:61-66 Ja'64

1. Z Kliniki Chorob Płuc (Kierownik: doc.dr. P.Krakowka) i z
Zakładu Anatomii Patologicznej (Kierownik: prof.dr. S.Chodowska)
Instytutu Gruźlicy.

*

KRAKOWKA, Paweł; GRYMINSKI, Janusz; KONCOWICZ, Irena

Diagnostic difficulties in cases of tuberculous empyema. Gruza-
lica 32 no.10:903-914 0 '64

1. Z Kliniki Chorob Płuc (Kierownik: doc. dr. med. P. Krakowka)
i z Zakładu Radiologii (Kierownik: prof. dr. med. K. Ossowska)
Instytutu Gruźlicy, Warszawa.

KALINOWSKI, Stefan; KRAKOWKA, Paweł; GLYMINSKI, Janusz

Influence of INH on liver cells in patients with virus hepatitis
and pulmonary tuberculosis. Pol. tyg. lek. 20 no.24:877-879
14 Je '65.

i. Z II Kliniki Chorob Zakaznych AM w Warszawie (Kierownik: prof.
dr. med. Bertold Kassur) i z Kliniki Chorob Płuc Instytutu Gruźlicy
(Kierownik: doc. dr. med. Paweł Krakowka),

KRAKOWKA, Paweł; GRYMINSKI, Janusz; KONONOWICZ, Irena; HALWEG, Halina

Spontaneous necrosis of pulmonary aspergilloma. Gruzlica 33
no.5:431-440 My '65.

1. Z Kliniki Chorob Płuc i z Pracowni Mykologicznej (Kierownik:
dce. dr. P. Krakowka) i z Zakładu Radiologii (Kierownik: prof.
dr. K. Ossowska) Instytutu Gruźlicy.

GRYNAEUS, T. 1951

(Pathophysiol. Inst. U. of Budapest)

"Method for Determination of the Length of Isometric and Isotonic Contraction of the Ventricle."

Z. KreislForsch. 1951 40/19-20(585-592)
Abst: Exc. Med. 11, Vol. 5, no. 7, p. 811

HUNGARY

REVICZKY, L., Alice, SZANTO, Laszlo, GRYNAEUS, Tamas, MAGONY, Ilona; National Institute of Rheumatology and Balneology (Orszagos Reuma es Furdougyi Intezet).

"Effect of Trypsin and Pancreatin Digestion on the Iodide-Containing Proteins and Amino Acids of the Thyroid."

Budapest, Kiserletes Orvostudomany, Vol XVIII, No 5, Oct 66, pages 502-506.

Abstract: [Authors' Hungarian summary] The effect of trypsin and pancreatin on the I^{131} -labelled thyroid-proteins of rats was studied. In an identical medium, completely different results were obtained. The splitting ability of pancreatin proved to be greater and this excess appeared in the thyroxine and triiodothyronine fractions. The eventual importance of the quantitative ratio of thyroid hormones which are bound in two different ways is discussed.
4 Hungarian, 12 Western references. [Manuscript received 23 Oct 65.]

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- 8 -

HUNGARY

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617210001-3"
REVICZKY, Alice L., SZANTO, Laszlo, MAGONY, Ilona, and GRYNAEUS, Tamas, Institute for Rheumatism and Curative Spas (Orszagos Reuma and Furdougyi Intezet).

"Contribution to the Evaluation of the Indices of Thyroid Function"

Budapest, Kiserletes Orvostudomany, Vol 18, No 6, 1966; pp 654-662.

Abstract: Authors compare two different methods of evaluating the chromatograms of rat thyroid glands digested with pancreatin. After discussing their experimental and mathematical results, authors come to the conclusion that although the percentage distribution on the filter paper does contain data characteristic of the thyroid function, this distribution must be supplemented by the K constant, which may be calculated from the ratio of the weight of the animal and the weight of the thyroid gland. 14 References, of which 6 Hungarian, rest Western. Manuscript received 26 Jan 66.

UNGHVARY, L.:GHYNAEUS, T.

Simple titrimetric determination of total protein in spinal fluid.
Kiserletes orvostud. 4 no. 5:380-382 Oct 1952. (CLML 23:5)

1. Doctor for Unghvary. 2. Research Institute of Balneology and
Pathophysiology Institute, Budapest Medical University and Fehervari-
uti Dispensary.

SZANTO, L.; REVICZKY, Alice L.; GRYNAEUS, T.

Thyroid function during treatment with the ergot derivative lysergic acid butanolamide. *Acta med. acad. sci. hung.* 19 no.2:169-183 '63.

l. Second Department of Medicine and Balneological Research Institute,
State Institute of Rheumatology and Balneology, Budapest.
(ERGOT ALKALOIDS) (THYROID DISEASES)
(THYROID FUNCTION TESTS)

L 11153-63

EWT(1)/BDS/EED-2/EEO-2--ASD/APCC/ESD-3/AFWL/SSD--P1.1--IJP(C)/CC

ACCESSION NR: AP3003181

P/0053/63/000/004/0216/0221

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66

AUTHOR: Giriat, Witold; Grymberg, MarianTITLE: Photoelectromagnetic infrared detector

SOURCE: Przeglad elektroniki, no. 4, 1965, 216-221

TOPIC TAGS: infrared radiation detector, sensitivity, infrared, infrared radiation, p-type indium antimonide, detector sensitivity

ABSTRACT: The results of investigations on infrared detectors using InSb and operating in a range up to 6.5μ are presented. The InSb sample used for the experiments was obtained by the direct alloying of the starting materials. A cadmium impurity was introduced to obtain the p-type semiconductor. Dimensions of the sample were $10 \times 3 \times 0.8$ mm. Two voltage probes were soldered to the nonirradiated surface. The sample was treated electrolytically with a 4% solution of HNO_3 in ethylene glycol at a current density of 0.2 amp/cm². After removing the oxide layers, the sample was washed in toluene and distilled water and then placed in a magnetic field. A small kanthal heater with a temperature up to 1200°C was used as the radiation source; it was focused on the sample by means of two mirrors. The incident rays were modulated mechanically. The

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ACCESSION NR: AP3003181

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alternating signal obtained in the sample was applied to a selective amplifier and then measured. The relationship between signal voltage and wavelength was determined by a monochromator equipped with a mirror and a prism. The threshold sensitivity was found to be 10^{-7} w. A prototype detector has been constructed. To extend the sensitivity of the detector toward waves above 7μ experiments with samples of $\text{Cd}_{x}\text{Hg}_{1-x}\text{Te}$ (where $x \leq 0.2$) were carried out. According to preliminary measurement, the sensitivity limit can be shifted up to 15μ . Orig. art. has: 6 figures and 1 formula.

ASSOCIATION: Instytut Fizyki PAN (Physics Institute, Polish Academy of Sciences); Instytut Fizyki Doswiadczonej UW (Institute of Experimental Physics, Warsaw University)

SUBMITTED: 03Dec62

DATE ACQ: 12Jul63

ENCL: 00

SUB CODE: SD

NO REF Sov: 000

OTHER: 010

cs/Sew

Card 2/2

L.REICZKY, Alice; SZANTO, Laszlo; GRYNAEUS, Tamas.

Effect of hydrogenated ergot alkaloids (Hydergin) on thyroid function. Acta morph. acad. sci. Hung. 12 no.4:323-330 '64

1. Orszagos Reuma es Furdougyi Intezet Balneologial Kutato
Intezete.

GRYNAU, T.; KAROLYI, Alice; GRYNAU, T.

Effect of a mono-aminooxidase inhibitor (imipramide) on thyroid activity. Acta physiol. Acad. sci. Hung. 25 no.3824-355 '64

1. Second Department of Medicine and National Institute of Rheumatism and Medical Hydrology, Budapest.

REVICZKY, Alice; SZANTO, L.; GRYNAEUS, T.; MAGONY, Ilona.

Quantitative determination of the thyroid-hormone fractions:
their connection with the blood level of organic iodine. Acta
physiol. Acad. sci. Hung. 25 no.3:255-264 '64

I. National Institute of Rheumatism and Medical Hydrology,
Budapest.

L 37935-66 EWT(m)/EWP(j)

RM

ACC NR: AP6028495

SOURCE CODE: HU/0018/65/017/006/0634/0647

AUTHOR: Reviczky, Alice L.--Revitski, A. L.; Szanto, Laszlo--Santo, L.; Grynaeus, Tamas--Grineus, T.; Magony, Ilona--Magon', I.ORG: National Institute of Rheumatology and Balneology, Budapest (Orszagos Reuma es Furdouyi Intezet)

TITLE: Deiodination of I sup 131 - labelled amino acids

SOURCE: Kiserletes orvostudomany, v. 17, no. 6, 1965, 634-647

TOPIC TAGS: amino acid, tyrosine, hormone, iodine, isotope separation, chromatography

ABSTRACT: In the case of butanol extraction and chromatographic separation from KI¹³¹ or I¹³¹-labelled tyrosine, or compounds with a thyronine skeleton, the particular phase of the procedure at which a loss of iodine appears as well as the degree of this loss have been determined. The investigations were carried out in aqueous solutions and on materials mixed with serum for comparison. The problems and questions of composition of the thyroid hormones and precursors as well as of BII have been mentioned briefly. Finally, the reliability of the isotope method described and the problem of its usefulness have been discussed. The authors thank Laboratory Assistants Laszlo Cecilia and Doctor Baranyai Jozsefne for technical help. Orig. art. has: 4 figures and 3 tables. [JPS: 34,161]

SUB CODE: 06, 07 / SUBM DATE: 13Feb65 / ORIG REF: 002 / OTH REF: 015

Card 1/1 MLP

L 37937-66

ACC NR: AP6028496

SOURCE CODE: HU/0018/65/017/006/0648/0655

AUTHOR: Reviczky, Alice L.--Revitski, A. L.; Szanto, Laszlo--Santo, L.; ²⁹
Grynaeus, Tamas--Grineus, T.; Magony, Ilona--Magon', I. ⁴⁰ORG: National Institute of Rheumatology and Balneology, Budapest (Orszagos Reuma
es Furdougyi Intezet)TITLE: Deiodination of components of the blood serum labelled ²² iodogeneously with I^{131}

SOURCE: Kiserletes orvostudomany, v. 17, no. 6, 1965, 648-655

TOPIC TAGS: rat, iodine, blood serum, isotope, tracer study

ABSTRACT: In the course of the experiments, the analysis of the blood serum of rats treated with labelling-amounts of I^{131} are described. It is concluded that there is a great difference between the amount of iodine-hormone fractions and the total amount of serum organic iodine. It is discussed in detail and it has also been proven by means of a mathematical method that the results obtained with the active method can not be considered as analogous to those obtained with the inactive method. The results obtained with active methods correspond to the true conditions only approximately, partly because of their biological half-life and partly because of various degrees of iodine losses occurring in the course of the determination and explained by the instability of the iodine derivatives. The authors thank Laboratory Assistants Laszlo Cecilia and Doctor Baranyai Jozsefna for technical help.

Orig. art. has: 3 figures and 1 table. LPPS: 34161

SUB CODE: 06, 07 / SUBM DATE: 13Feb6 / ORIG REF: 005 / GTH REF: 014

Card 1/1 MLP

GRYNBERG, H.

Refractometric fat determination with α -bromonaphthalene in oil seeds. H. Grynberg and T. Patzek. *Praesentum* 1967, 6, 460-619 (English summary). -- The refractometric method for fat detm. is accurate and reproducible. It gives results which are higher than those obtained with the extn. method. W. Szymanek

2

GRYNBERG, H.

Periodate method for quick determination of glycerol
H. Grünberg and S. Freudenthal, *Analyst (Lond.)*, 70, 1955
~~Chemical Abstracts (1957) Central Summary~~—Dichromate and
periodate methods of the detn. of glycerol in soap lye is com-
pared. Periodate methods are preferable because of
greater accuracy, simplicity, and inexpensive reagents.
W. Sayhaski

HALINA GRYNBERG

✓ Detection of organic impurities in glycerol by paper chromatography. Halina Grynberg, Irena Jarmuzkiewicz, and Irena Malinowska. *Praca Inst. i Lab. Higieny i Higienucznych Przemyslu Sbozyuzyciowego* 8, No. 3, 15-30 (1958). — NH₄ salts of C₁-C₆ aliphatic acids were sep'd. by descending chromatography on Whatman No. 1 paper in an atm. NH₃ and BuOH with BuOH satd. with NH₃OH sohn, as an eluant, and bromcresol green as a developer. *R*_f values, relative to NH₃ butyrate were: formate and acetate 0.45; propionate 0.70; butyrate 1.0; valerate 1.27; and caprylate 1.64 (averages for 17 runs). Chromatograms of 10-20 microliters glycerol (I) run alongside synthetic blanks permitted rough quant. estns. Crude I contained 1-2% and distd. I 0.2-0.7% of these acids. Descending chromatography of 5 microliters of I with PhOH, equilibrated with a phosphate buffer of pH 12 as an eluant, Whatman No. 1 paper, an atm. of Ph/phosphate buffer, and ninhydrin developer demonstrated the presence of aspartic acid, glutamic acid (II), serine (III), glycine (IV), threonine (V), and alanine (VI). Similarly, with BuOH/glacial AcOH/water system, cystine, lysine, histidine, arginine, asparagine, IV, III, V, II, VI, proline, tyrosine, valine, and methionine were sep'd. in the order given. Total amt. of amino acids in crude I was estd. to be 0.14% and in distd. I 0.08-0.09%. Detection of aldehydes in I was carried out by pptg. the corresponding 2,4-dinitrophenylhydrazone, dissolving them in pyridine: MeOH:PhOH soln. (1:10:5) and chromatographing at 40° on acetylated Whatman No. 1 paper with EtOH as an eluant. The following were detected: (*R*_f range for 25 runs) glyceraldehyde (0.18-0.22); acrolein (0.40-0.51); and formaldehyde (0.58-0.72). The presence of I did not interfere with chromatography of the compds. investigated. Czeslaw Pankiewicz

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✓ Quantitative chromatographic method for determination
of aldehydes in glycerol. Halina Grynberg and Hanna
Jarnuszkiewicz. *Prace Inst. i Lab. Badań Przemysłu
Spożywczego* 8, No. 5, 55-87 (1958). — Quant. ppts. of 2,4-
dinitrophenylhydrazones (I) from glycerol could only be
achieved by reacting 10 g. of I with 200 ml. of 0.1% I soln.
for 24 hrs., filtrating, warming of the filtrate to 70°, filtrating
and repetition of this procedure at least 3 times. Combined
ppts. were dissolved in 1 ml. of pyridine/alc. NaOH soln.
and chro. atographed at 40°. The spots were cut out and
extd. with EtOH vapor or, in case of glyceraldehyde (II),
with pyridine/alc. NaOH soln. The amts. of aldehydes in
exts. were detd. colorimetrically. Colorimetric reference
standards were prep'd. by adding known amts. of aldehydes
to pure glycerol and by using the procedure just described.
The aldehydes can be detd. in the range of 0.8-30%; max
error in case of II and butyraldehyde was 1.53%.
Czesław Bąkiewicz

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3 May
4/20/69
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99
100

GRYNBERG, Halina; SZCZEPANSKA, Hanna; BEŁDOWICZ, Maria

Importance of selecting certain conditions of analysis in determining
the composition of fatty acids by gas-liquid chromatography. Chem
anal 8 no.6:881-890 '63.

1. Department of Chemistry and Analysis of Fats, Institute of
General Chemistry, Warsaw.

GRYNBERG, Marek

On the $\pi L/\Lambda$ resonance state. Postepy fizyki 12 no.6:687-699 '61.

1. Instytut Badan Jadrowych, Warszawa.

GIRGAT, Tatyana Mikhaylovna, Moscow

former Chechen terrorist, now living in Moscow
electronic mail address: TATYANA-M@MAIL.RU

M. Sharifov, Shamil, Tolpitsy Skadovskiy, Moscow (for
Shamil Sharifov, but FSB is investigating, he is wanted,
there are no contacts).

1 17172-63

EWT(l)/EWT(m)/FCC(w)/BDS

AFITC/ASD/IJP(C)
P/0045/63/023/004/0501/0526

ACCESSION NR: AP3001747

58
55

AUTHOR: Grynberg, M.; Koba, Z.

TITLE: Four-pion wave functions

SOURCE: Acta physica polonica, v. 23, no. 4, 1963, 501-526

TOPIC TAGS: four pion wave function, metastable four pion system, coordinate representation, momentum representation, conjugate representation, four-body problem, Bose statistics

ABSTRACT: It is expected that the set of wave functions studied will be useful in investigating many pion phenomena, especially the behavior of a metastable four pion system, if such a state should turn out to exist. Physical consequences which can be inferred from the set of wave functions arrived at will be discussed in a forthcoming article.

A complete set of orthonormal symmetric wave functions was constructed for a system of four free pions in the non-relativistic approximation. Quantum numbers were assigned to the wave functions to determine the four pion states, and two sets of relative coordinates and momenta, called H-representation and

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ACCESSION NR: AP3001747

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F-representation, respectively, were introduced. Tables express configurational functions in terms of the two representations, give the isospin wave functions for four pions and the number of configurational wave functions with definite symmetry for a given natural generalization of the partial wave analysis. "Co-author Z. Koba expresses his gratitude to the Polish Academy of Sciences, Prof. L. Infeld and Prof. M. Danysz for their hospitality." Orig. art. has: 18 equations, 2 figures, 4 tables and 3 appendices.

ASSOCIATION: Institute for Nuclear Research, (Warsaw) (Author Grynberg);
Research Institute for Fundamental Physics, Kyoto University (Koba)

SUBMITTED: 17Jul62

DATE ACQ: 05Jun63

ENCL: 00

SUB CODE: PH

NO REF SOV: 000

OTHER: 007

Card 2/2

GRYNBERG, M.; KOBA, Z.

Five pion isospin wave functions. Bul Ac Pol mat LI no.
11:701-706 '63.

1. Institute of Theoretical Physics, University, Warsaw
and University Institute for Theoretical Physics,
Copenhagen.

L 36264-66 T IJP(c) AT

ACC NR: AP6018341

SOURCE CODE: GE/0030/66/013/001/0277/0283

(P)

72
68

B

AUTHOR: Grynb erg, M.

ORG: Institute of Physics, Warsaw University

TITLE: Certain transport properties of semiconductors under uniaxial stress

SOURCE: Physica status solidi, v. 13, no. 1, 1966, 277-283

TOPIC TAGS: thermoelectric power, galvanomagnetic effect, transverse magnetic field, transport property, tensor, semiconductor

ABSTRACT: The calculations presented in this paper are valid for the III-V and II-VI semiconducting compounds with a zinc-blende structure. Under uniaxial stress, the spherical energy surfaces become ellipsoidal. The galvanomagnetic coefficients for the n-type material were calculated following the method described by Zukotynski and Kolodziejczak. [S. Zukotynski and J. Kolodziejczak, Phys. Stat. Sol. 3, 990, 1963; J. Kolodziejczak and S. Zukotynski, Phys. Stat. Sol. 5, 145, 1964], assuming a dispersion law $E=E(k, \epsilon)$ for these bands of the type obtained by Pikus, [G. E. Pikus and G. L. Bir, Fiz. tverd. Card 1/2

L 36264-66

ACC NR: AP6018341

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Tela 3, 3050, 1961]. With the assumption of an isotropic relaxation time, the equations were obtained for the transverse magnetoresistance, the thermoelectric power in the magnetic field, and the Nernst-Ettingshausen coefficient. Expressions were obtained for the Faraday effect, the stimulated birefringence due to free carriers, and the plasma frequency under uniaxial stress by solving Maxwell's equations with a high-frequency conductivity tensor. The author is greatly indebted to Professor Sosnowski for directing the present investigation, Dr. J. Kolodziejczak for his valuable advice and discussions, and Dr. W. Wardzynski and Dr. J. Ginter for their valuable remarks. Orig. art. has: 21 formulas. [Based on author's abstract] [NT]

SUB CODE: 11,20/ SUBM DATE: 03Nov65/ SOV REF: 003/ OTH REF: 00!

nd
Card 2/2

GRYNBERG Z. Organizacja polskiej sluzby zdrowia w okresie powojennym Organization of a public health service in Poland after the war Polski Tygodnik Lekarski, Warsaw 1949, 4/29-30 (869-870)

The ehalth care in new Poland ceased to be a problem of individuals and is now under the control of the State and under the responsibility of the government, prophylaxis being put in the first place and treatment in the second. The health service institutions are to be operated by team-work and not by single physicians. Every area and the smalles borough had some kind of health centre which performs the functions both of treatment and prophylaxis. They are under professional control of higher scientific level institutions, (including the medical and surgical clinics of universities) and also under social control. The control is aimed firstly at the increase of professional level and then of the moral level of physicians. The importance of the health service in planning as developed in a socialist state is stressed.

Makower - Wroclaw

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

GRYNEBERG, Z., doc. dr.

Organization of the health service and health education in rural areas. Zdrowie pub., Warsz. no.5:358-364 Sept-Oct 54.
(PUBLIC HEALTH,
in Poland, rural areas, organiz. of health serv.)
(HEALTH, education,
rural areas in Poland)

GRYNBERG, Z.; PRZYSUSKI, L.

Case of thrombophlebitis of the splenic vein during renal amyloidosis
in primary chronic rheumatism. Polski tygod. lek. 14 no.27:1244-1246
6 July 59.

1. (Z Oddziału chorób wewnętrznych Szpitala Czerniakowskiego w Wie;
kierownik oddziału: prof. dr med. M. Fejgin)
(ARTHRITIS, RHEUMATOID, compl.) (AMYLOIDOSIS, compl.)
(THROMBOPHLEBITIS, compl.) (PORTAL VEINS, dis.)

GRYNCHAROV Kirill

Instrument for removing foreign bodies in closed gunshot wounds of
the exophagus by fluorographic control. Vest.rent. 1 rad. 31 no.2:
77-78 Mr-Ap '56.
(MLRA 9:8)

1. Iz rentgenovskogo otdeleniya (zav. K.Gryncharov) medсанчасти
g.Dimitrovo, Narodnaya Respublika Bolgariya
(FOREIGN BODIES,
esophagus, in gunshot wds., extraction with fluorographic
control, appar. (Rus))
(ESOPHAGUS, foreign bodies,
in gunshot wds., extraction with fluorographic control,
appar. (Rus))
(WOUNDS AND INJURIES,
gunshot of exophagus, extraction of for. bodies with
fluorographic control, appar. (Rus))

RUSAKIYEV, M. [Rusakiev, M.]; KHRISTOVA, T.; ANDONOV, P.; PRODRONOV, A.; PETKOV, I.; GRYNCHAROV, L. [Gruncharov, K.]; PACHEV, S.

Studies of the serum of some migrant birds in the presence of antibodies neutralizing the West Nile virus. Trudy epidemiol mikrobiol 8:139-141 '61 [publ.'62].

GRYNCZEL, ZBIGNIEW

POLAND/Chemical Technology - Chemical Products and Their Application. Safety Engineering. Sanitary Engineering. H-6

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8537

Author : Grynczel Zbigniew

Inst :

Title : Raw Materials for the Production of Foaming Preparations.

Orig Pub : Przegl. pozarn., 1956, 35, No 3, 17-19

Abstract : A description of the production and utilization of foaming preparations (FP) for the generation of chemical foam, for example, of the product of nitration of abietic acid. Saponin-containing FP are isolated from chestnuts and peas by extraction with water with the addition of an antiseptic agent (phenol).

Card 1/1

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CIA-RDP86-00513R000617210001-3

GRYNCZEL, Zbigniew, mgr. inz.

Fireman equipment made in Poland. Przegl techn 79 no.l:18-20
Ja '58.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3

GRYNDA, N.I., brigadir

Continuously operating integrated brigade. Ugol' Ukr. 4 no.7:
24 J1 '60. (Coal mines) (MIRA 13:8)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617210001-3"

GRYNIA, Maria

Meadows of Molinia coerulea in the Great Poland region. Prace nauk roln i leśn 13 no.2:145-269 '62.

1. Chair of Meadows and Pastures Cultivation, College of Agriculture, Poznan. Directors: Prof. Dr. M. Falkowski.