NAMYSLOWSKI, J.

"Standardization of Flax Straw in Czechoslovakia," P. 344. (WIADOMOSCI, Vol. 22, No. 6, June, 1954. Warszawa, Poland)

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

NAMYSLOWSKI, J.

Timely problems of the bast fiber industry. p. 218. PRZEMYSL WLOKIENNICZY. Lodz. Vol. 9, no. 6, Aug. 1955.

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

NAMYSLOWSKI, J.

New use for tow in the flax industry. p. 152.

PRZEGLAD WLOKIENNICZY. (Stowaryszenie Inzynierow i Technikow Praemyslu Wlokienniczego Lodz, Poland, Vol. 13, No. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1959.

Uncl.

NAMYSLOWSKI, Jozef

The Dirac equation in general relativity in the Vierbein formalism.
Acta physica Pol 20 no.11:927-936 '61.

1. Institute of Physics of the Jagellonian University, Krakow.

(Relativity(Physics)) (Quantum field theory)

NAMYSLOWSKI, Jozef

The interaction of baryons with gravitational and electromagnetic field within Rayski's six-dimensional manifold. Acta physica Pol 22:Suppl.:87-96 '62.

1. Institute of Physics, Jagellonian University, Krakow.

NAMYSLOWSKI, Jozef; WIT, Romuald

Asymptotic properties and zeros of the forward scattering amplitude.
Acta physica Pol 23 no.2:197-203 F '63.

1. Institute of Physics, Jagellonian University, Krakow.

L 14377-63 EWT(d)/FCC(w)/BDS AFFTC IJP(C)

ACCESSION NR: AP3001817 P/0045/63/023/005/0557/0566

53
52

AUTHOR: Kotanski, Andrzej; Namyslowski, Jozef

TITLE: The CDD poles and the agreement of a solution of the Low equation with the experimental results

16

SOURCE: Acta physica polonica, v. 23, no. 5, 1963, 557-566

TOPIC TAGS: CDD pole, Low equation, deviation of Salzamn theorem, pion-proton scattering, p-wave analysis, partial wave analysis

ABSTRACT: The theoretical curve for the Chew-Low theory of the p--wave pi--N scattering deviates from the experimental points above 150 MeV. The paper studies the cause of this, discusses the admitted approximations and their influence on the disagreement between the theory and experiments; briefly summarizes Castillejo, Dalitz and Dyson's work showing the multiplicity of Low equation solutions; finds the explanation that the considered deviation of Salman's curve and experimental points in the higher energies results from omission of a CDD pole; offers proof of the generalized Herglotz theorem, essential in the CDD consideration.

Association: Inst. of Physics, Jagellonian University

Card 1/2/

NAMYSLOWSKI, Jozef

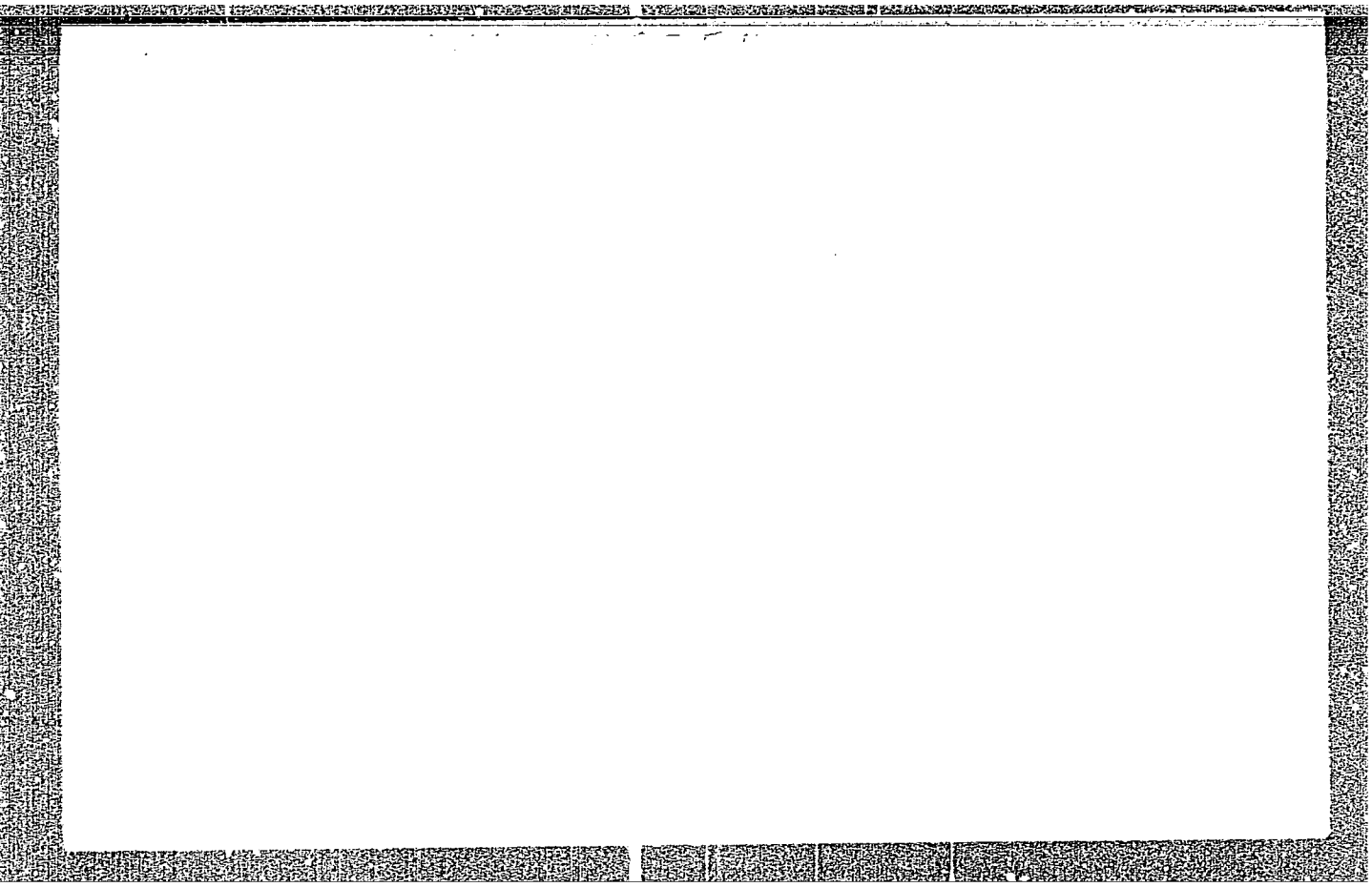
The eight-parameter spinor transformation. Acta physica Pol 25 no.3:507-508 Mr '64.

1. Institute of Theoretical Physics, Jagiellonian University, Krakow.

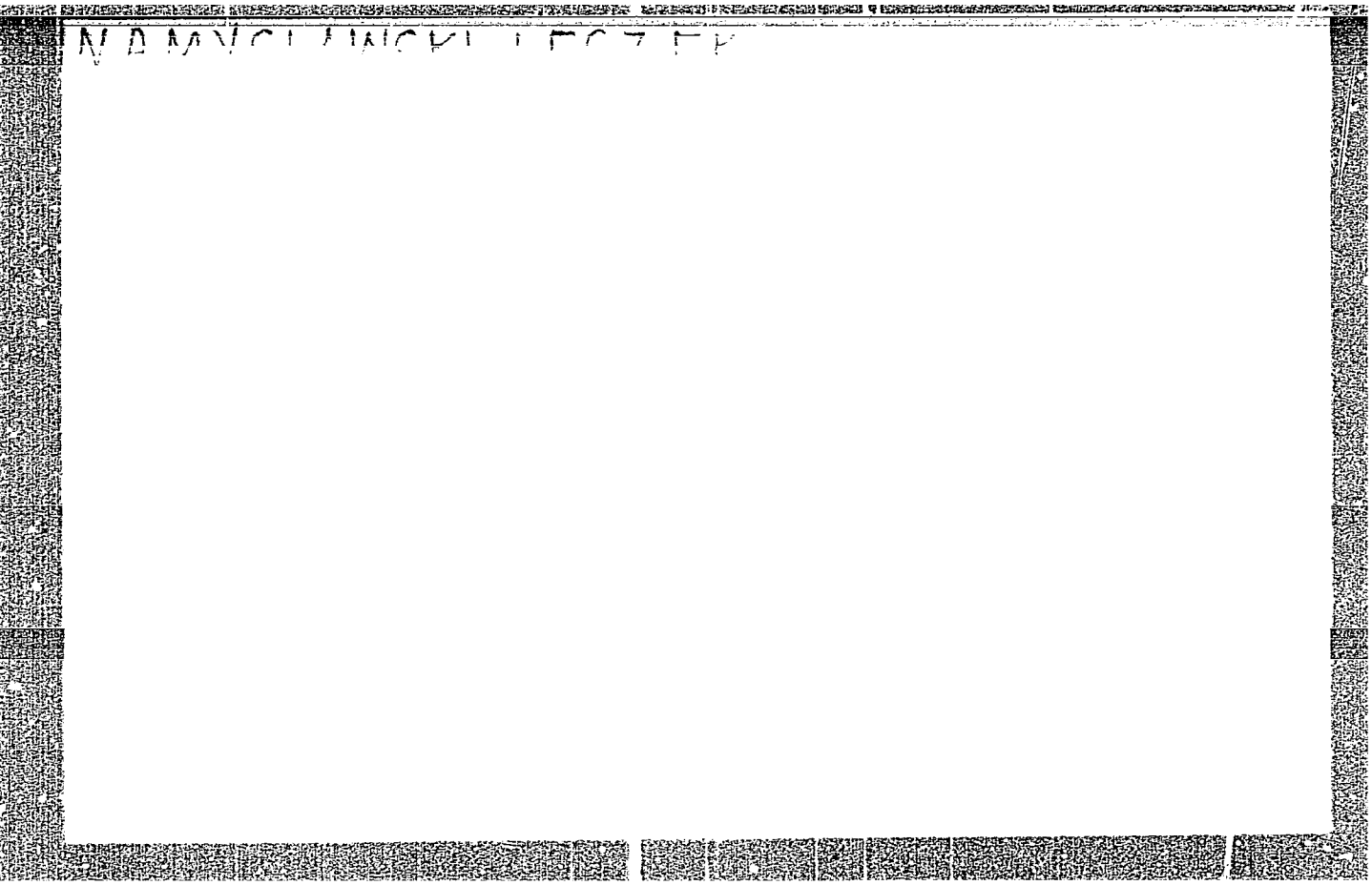
NAMYSLOWSKI, Jozef

Stationary solution of a Dirac equation in general relativity. Acta physica Pol 25 no.5:741-747 My '64.

1. Institute of Theoretical Physics, Jagiellonian University, Krakow.



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136020



POLAND / Human and Animal Physiology (Normal and Pathological) T-3
Metabolism.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60050

Author : Namyslowski, L.
Inst : State Institute of Hygiene
Title : Further Investigations of the Renal Content of Ascorbic Acid in Rats Under Physical Strain

Orig Pub : Roczn. Panstw. zakl. hig., 1957, 8, No 1, 79-80

Abstract : The adrenal ascorbic acid (AA) was determined in rats which were swimming for different lengths of time in water at 20°, 28° and 37°. The lowest level of AA was found in rats swimming in water at 20°, and the intensity of the drop was dependent on the length of the swimming time. In rats who had been previously trained to swim, the AA level dropped to a lesser degree than in the untrained ones. -- Ye. M. Berkovich

Card 1/1

POLAND/Human and Animal Physiology - Metabolism. V-2

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8386

Author : Leszek Namyslowski
Inst : -
Title : Normalization of Ascorbic Acid Content in the Suprarenal Glands of Rats After Exhausting Work.

Orig Pub : Roczn. Panstw. zakl. hig., 1957, 8, No 3, 265-267

Abstract : No abstract.

Card 1/1

NAMYSLOWSKI, Leszek (Warszawa 12, ul. Olesinska 5 m. 4.)

Effect of training on adaptation of adrenals to graded exercises in rats. Polski tygod. lek. 14 no.13:586-592 30 Mar 59.

1. (Z Zakladu Higieny Zywienia PZH; kierownik: prof. dr. A. Szczygiel)
(ADRENAL GLANDS, physiol.
adaptation to graded exercise in trained & untrained rats (Pol))
(EXERCISE, eff.
on adaptation of adrenal glands in trained & untrained rats (Pol))

NAMYSLOWSKI, Leszek (Warszawa, ul. Olesinska 5 m. 4.)

Outline of the scientific activity of Professor Wlodzimierz Missiuro.
Polski tygod. lek. 14 no.13:596-597 30 Mar 59.

1. (Z Okazji 35-lecie pracy naukowej).
(BIOGRAPHIES
Missiuro, Wlodzimierz (Pol))

27

CA

Problem of synthetic fatty acids. S. Namyslowski. *Przemysl Rolny i Spozywczy* 4, 171-7(1950). A review of the methods of oxidation of paraffins. It is estimated that 1,500,000 tons of the paraffin fraction from Fisher-Tropsch synthesis will be needed for covering of the Polish demand for tech. fats. 27 references. W. Szybalski

1950)

CA

27

Apparatus used in the fats and oil industry. S. Nanyzkowski. *Przemysl Chem.* 6(29), 230-13(1950).—Some recent developments in the app. used in processing fats and oils are reviewed and the economics of a no. of machines used in processing oil seeds are discussed. Frank Gonet

NAMYSLOWSKI, S.

The problem of the intensification of food production. p. 99.

(PRZEMYSL SPOZYWCZY. Vol. 11, No. 3, Mar. 1957, Warszawa, Poland.)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

NAMYSLOWSKI, Stefan

Green light for technological progress. Przem ferment 5 no.7: 181-182 Jl '62.

1. Centralne Biuro Konstrukcji Przemyslu Spozywczego, Warszawa.

NAMYSLOWSKI, W.

General remarks on the lime industry in Poland. pt. 2, p. 193

CEMENT, WAPNO, GIPS. (Wydawnictwo "Budownictwo i Architektura")
Krakow, Poland. Vol. 11, no. 9, Sept. 1955

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

Uncl.

NAMYSLOWSKI, W.

General remarks on the lime industry in Poland. Pt. 3, p. 226

CEMINT, WAPNO, GIPS. (Wydownictwo "Budownictwo i Architektura") Krakow, Poland
Vol. 11, no. 10, Oct. 1955

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

Uncl.

POL.

Lime industry in Poland. Władysław Namysłowski. *Cement-Wapno-Gips* 11(20), 145–9(1955).—History and present status are described. P. J. Hendel

Poland/Chemical Technology -- Chemical Products and Their Application. Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1666

Author: Namyslowski, W.

Institution: None

Title: Crushing and Classification of Limestone for the Lime Industry

Original Periodical: Cement. Wapno. Gips., 1956, Vol 12, No 5, 120-125; Polish

Abstract: None

Card 1/1

NAMYSLOWSKI, W.

NAMYSLOWSKI, W. Limited mechanization as the basis for fulfillment of the five-Year Plan in the lime industry. Pt. 1. p. 261.

Vol. 12, no. 12 Dec. 1956
CEMENT, WAPNO, GIPS
POLITICAL SCIENCE
Warszawa, Poland

Sol East European accession Vol. 6, No. 3, March 1957

NAMYSLOWSKI, W.

Small-scale mechanization as the basis of the fulfillment of the Five-Year Plan in the lime industry. Pt. 2, p. 7.

CEMENT, WAPNO, GIPS. (Wydawnictwo "Budownictwo i Architektura") Krakow, Poland. Vol. 13, no. 1, Jan. 1957.

Monthly list of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
uncla.

ANGELESCU, E.; VASILIU, G.; ZAVOIANU, D.; NAN, F.

Hydrolysis of nitriles. Note III. Inductive and steric effects in the alkali hydrolysis of some substituted acetonitriles. Studii cerc chim 9 no.3:459-475 '61.

1. Universitatea "C. I. Parhon", Catedra de chimie organica, Bucuresti. 2. Membru corespondent al Academiei R.P.R., Membru al Comitetului de redactie "Studii si cercetari de chimie" (for Angelescu).

NAN, F.

Improvement of products and technology of urea-formaldehyde resins.
Rev chimie Min petr 13 no.5:304-306 My '62.

L 18834-63 EPR/EWP(j)/EPF(c)/BDS AFFTC/ASD Ps-4/Pc-4/Pr-4 RM/
MAY/WW

ACCESSION NR: AP3001811 R/0003/63/014/004/0197/0201

AUTHOR: Horun, S.; Nan, Fr.

TITLE: New, special-purpose bakelites produced in the RPR

SOURCE: Revista de chimie, v. 14, no. 4, 1963, 197-201

TOPIC TAGS: Bakelite, phenol plastic dust, insulating material, insulator

ABSTRACT: The article discusses some improved types of bakelite produced for the electrotechnical industry. Type E bakelite provides better insulation and uses inorganic filling materials (preferably mica dust) instead of wood powder; various combinations of wood and mica in the filling are also possible. It was found that the standard (wood-filled) bakelite acts satisfactorily under tropical conditions if it is made fungistatic, preferably with sodium pentachlorphenate. Good behavior can also be expected from the shock-resistant type, which has a filling of wood powder and rubber. For electrotechnical use in the tropics, the bakelite filling should be a mixture of mica powder and wood powder, both deferrized; such products are satisfactory for use both indoors and outdoors but

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L 18834-63
ACCESSION NR: AP3001811

must be protected from sun and rain. Studies are in process to improve the type using only de-ferrized mica so as to make it suitable for unprotected tropical use. The new products already in production are bakelite type E for electrotechnical use and type ETH for electrotechnical and tropical use; types NTH for general and tropical use and CTH for shock-resistant and tropical use will start production shortly. Orig. art. has 3 tables and 5 figures.

ASSOCIATION: ICECHIM: Combinatul chimic, Fagaras (Chemical Combine)

SUBMITTED: 00	DATE ACQ: 01Jul63	ENCL: 00
SUB CODE: CH	NO REF SOV: 000	OTHER: 000

Card 2/2

NAN, Ion; SUSAN, Romulus

Modern driving methods of the compressors used in diesel engines.
Constr mas 16 no.12:678-681,687 D '64.

NAN, Ion, ing.

Some new featureson the cooling equipment of the railway diesel traction. Metalurgia constu mas 14 no.2:137-149 F '62

1. Uzina "23 August."

NAN, Ion, ing.; SUSAN, Romulus, ing.

Hydrostatic transmission uses and adjustments. Metalurgia constr mas 14 no.5:414-425 My '62.

1. Uzina "23 August" (for Nan). 2. Institutul de constructii, Bucuresti (for Susan).

NAN, Ion

Wankel, the rotative piston engine. Metalurgia constr mas 14 no.7:658-660 Jl '62.

NAN, Ion, ing.

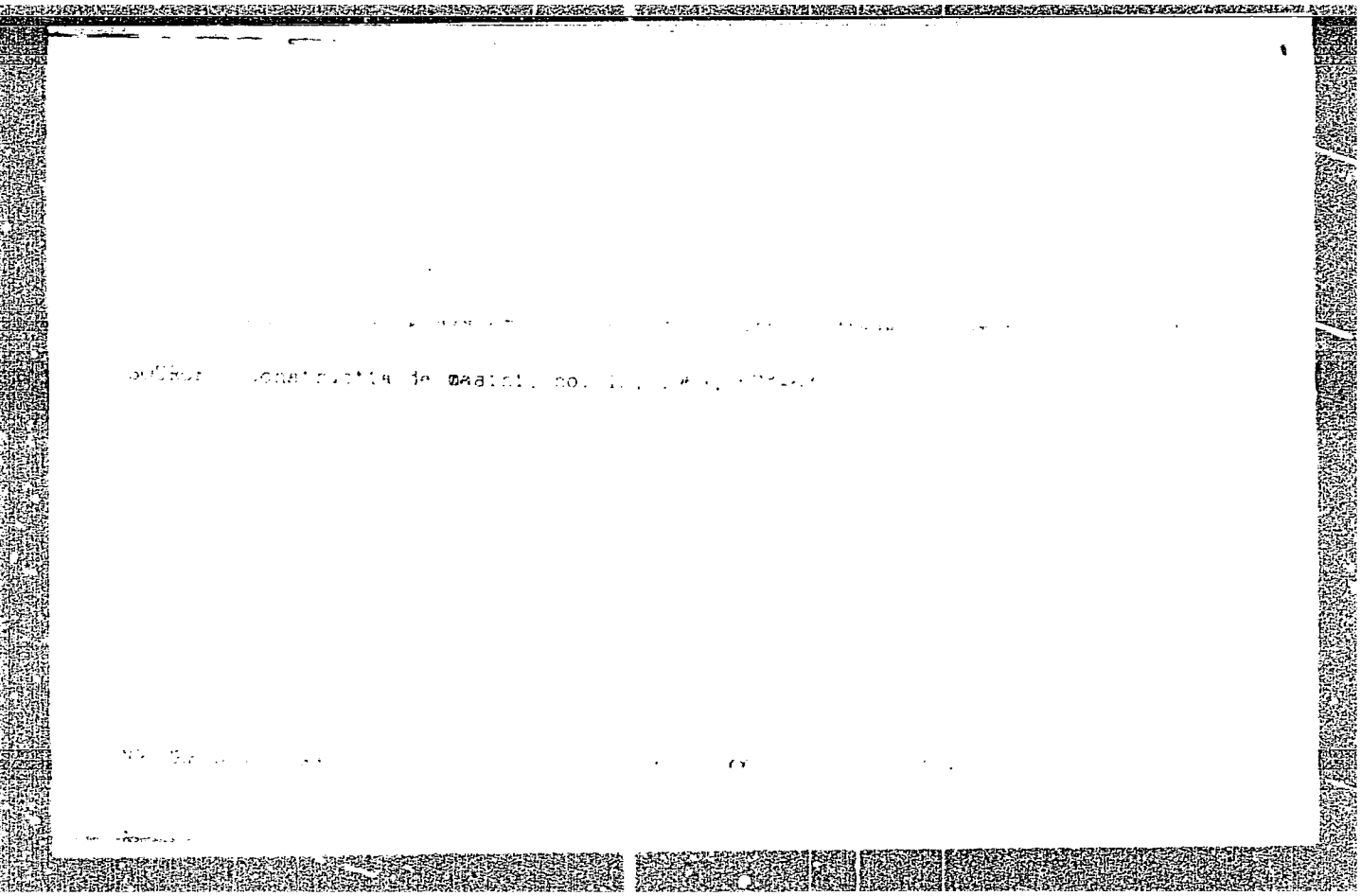
Oil pump with two rotation senses. Metalurgia constr mas 14 no.8:756 Ag '62.

1. Uzinele "23 August".

NAN, Ion, ing.; SUSAN, Romulus, ing.

New aspects of the loss estimation and the extension of the life of hydrostatic units. Metalurgia constr mas 14 no.11:1004-1014.N '62.

1. Uzina "23 August" (for Nan). 2. Institutul de constructii, Bucuresti (for Susan).



NAN, I., ing.

Nonuniformity of cylinder block rotation in axial piston pumps in the case of connecting rod driving. Constr mas 16 no.5:251-256 My'64

SALANKI, Janos,dr.; LABOS,Elemer; NAN, Istvan

Electrophysiological properties of the cerebrovisceral connective of the fresh-water mussel (Arodonta cygnea L.). Annales biol Tihany 31:133-145 '64.

1. Director, Research Institute of Biology of the Hungarian Academy of Sciences, Tihany (for Salanki). 2. Physiological Institute of Debrecen Medical University (for Nan.) Submitted February 21, 1964.

RUMANIA/Pharmacology - Toxicology - Tranquilizers. V

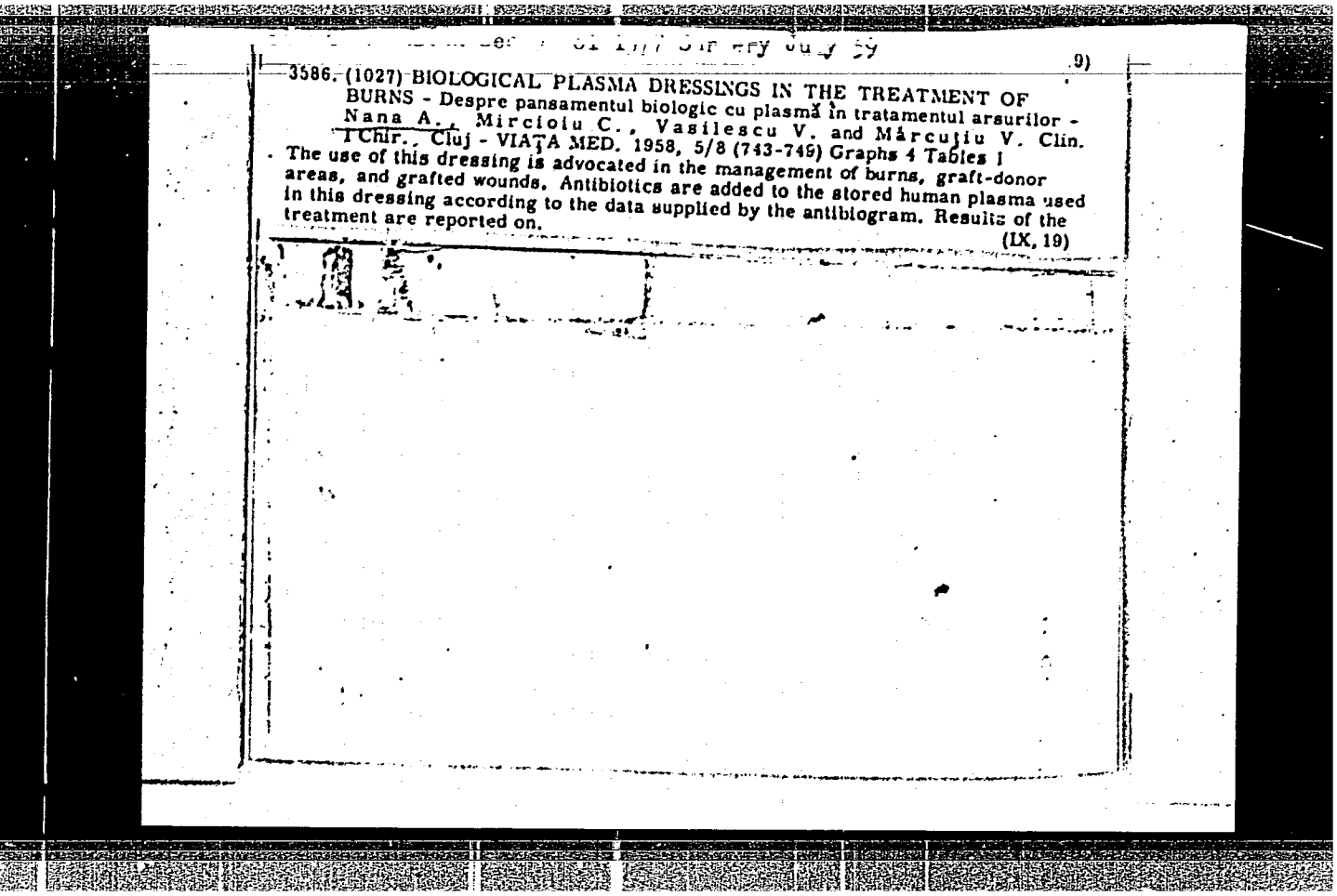
Abs Jour : Ref Zhur Biol., No 4, 1959, 18535

Author : Nana, A., Vasilescu, V., Tonder, C.
Inst : -
Title : An Experimental Study of the Effect of Largactyl Prescribed at a Time of Shock.

Orig Pub : Fiziol. norm. si. patol., 1958, 5, No 3, 207-213

Abstract : Shock was induced in rats by means of placing a tourniquet; in rabbits, by means of bloodletting. The dependence of the effect of largactyl on the stage of shock is noted. The preparation prevents well the development of shock, but during the period of decompensation it worsens the condition of the animals. -- From the author's resume

Card 1/1



9)

3586. (1027) BIOLOGICAL PLASMA DRESSINGS IN THE TREATMENT OF BURNS - Despre pansamentul biologic cu plasmă în tratamentul arsurilor - Nana A., Mircioiu C., Vasilescu V. and Mărcuţiu V. Clin. Chir., Cluj - VIAŢA MED. 1958, 5/8 (743-749) Graphs 4 Tables 1

The use of this dressing is advocated in the management of burns, graft-donor areas, and grafted wounds. Antibiotics are added to the stored human plasma used in this dressing according to the data supplied by the antibiogram. Results of the treatment are reported on.

(IX, 19)

NANA,A.,prof.; TOADER,C.

A personal method of oesophagesctomy with oesophagogastric anastomosis in the treatment of cardio-oesophageal neoplasm. Rumanian M. Rev. 3 no.4:47-50 O-D '59.
(ESOPHAGUS,neoplasms)
(STOMACH NEOPLASMS,surgery)

NANA, A.; TOADER, K.; CHEBYKA, K.

Disease of the gall bladder neck. Khirurgiia 36 no.4:60-63 Ap '60. (MIRA 13:12)

(GALL BLADDER—DISEASES)

NANA, A., prof.; MIRCHOYU, K. [Mircoiu, C.]; PANE, K. [Pane, C.]

Etiology and pathogenesis of early disorders of gastric evacuation following resection. Vest.khir. 85 no.12:95-98 D '60.
(MIRA 14:1)

1. Iz i-y khirurgicheskoy kliniki Meditsinskogo instituta v Kluzhe (Rumyniya). Adres avtorov: Rumyniya, gor. Kluzh, Universitet, khirurgicheskaya klinika prof. A. Nana.
(STOMACH—SURGERY)

NANA, A., prof.; MIRCIOIU, C.; COMES, V.

Staphylococcal infections in the surgical clinic I, Cluj. Microbiologia (Bucur) 6 no.1:22 Ja-F '61.

NANA, A.; MIRCIOIU, C.; NEUMANN, E.; POP, POPA D.; PITEA, P.; ZAGREANU, I.

Adaptation of the heart in shock. (Role of cardiac innervation in the maintenance of hemodynamic equilibrium). Rev. sci. med. 6 no.3/4: 169-172 '61.

(SHOCK physiology) (HEART physiology)
(BLOOD CIRCULATION) (NERVOUS SYSTEM physiology)

NANA, A.
SURNAME, Given Names

(3)

Country: Rumania

Academic Degrees: -not Given-

Affiliation: Surgical Clinic I, Medical-Pharmaceutical Institute (Clinica I. Chirurgicala, Institutul Medico-Farmaceutic), Cluj.

Source: Timisoara, Timisoara Medicala, Vol VI, No 1, Jan-Jun 1961, pp 27-32.

Data: "Anatomical Considerations of an Aspect of Arterial Obliteration."

Authors:

NANA, A.
IONESCU, M.
GROZA, A.

gpo 981643

PANA, A., prof.; MIRCIOIU, C., dr.; PANA, C., dr.; NEUMANN, E., dr.

Contribution to the mechanism of ulcerous hemorrhages. Participation of the liver in ulcerous upper digestive hemorrhage. Med. intern., Bucur 13 no.2:211-219 F '61.

1. Lucrare efectuata in Clinica chirurgicala I, Cluj.

(PEPTIC ULCER HEMORRHAGE etiology)
(LIVER pathology) CAPILLARY PERMEABILITY)
(VITAMIN C DEFICIENCY complications)

NANA, A., prof.; MIRCEOIU, C., dr.; PANA, C., dr.

Early evacuation disorders after resections of the stomach. Med. inter., Bucur 13 no.6:947-953 Je '61.

1. Lucrare efectuata in Clinica I chirurgicala, Cluj.
(GASTRECTOMY complications)

NANA, Felicia, prof. (Cluj)

How the field course at Agigea helps a teacher of natural sciences. Natura Biologie 14 no. 1: Ja-F '62.

SAVU, Al., conf., univ. (Cluj); NANA, Felicia, prof. (Cluj)

Iron deposits of Capusu Mic, Cluj. Natura Geografie 14 no.4:58-62 Jl-Ag '62.

NANACKOVA-ZEKEOVA ZDENA

Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1662

Author : Nanackova-Zekeova Zdena

Title : The Effect of Sewage Water of Tanneries in Liptovskom Mikulasi on the Condition of Water of the Rivers Vaha and Demanovka

Orig Pub: Kozarstvi, 1956, 6, No 11, 197-200

Abstract: The sewage water is characterized by the following indices: oxidability not exceeding 4180 mg/liter O_2; BOD_5 not exceeding 1055 mg/liter; pH not above 10. The sewage water contains Cl^-, SO_4^{2-}, Ca^{2+}, Cr, S^{2-}. Into Vahu river flows untreated sewage water diluted with ground waters in the proportion of 1:4 and having the following

Card 1/2

Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1662

characteristics: BOD_5 170 mg/liter; oxidability 53 mg/liter; transparency 3.5 cm. Sewage water affects the physico-chemical properties of the water of the rivers Vaha and Demanovka. Concentration of coarsely-dispersed admixtures in the river Demanovka is raised by 4 mg/liter, in the river Vaha -- by 2.3-4.0 mg/liter. BOD_5 is increased, respectively, by 3.2 mg/liter and 1.25 mg/liter. The concentration of H_2S is increased slightly (by 0.05-0.09 mg/liter) as is that of Cr^{3+}. Bacteriologically the effect of sewage water is only slightly perceptible.

Card 2/2

NANACKOVE-ZEKEOVA, Z. ; BOGATYREV, O.

Waste water from the Production of sulfate cellulose. p. 267.

VODNI HOSPODARSTVI. (Ministerstvo energetiky a vodniho hospodarstvi a Vedecka technicka spolecnost pro vidni hospodarstvi) Praha, Czechoslovakia, No. 6, June 1959.

Monthly List of East European Accession (EEAI), LC Vol. 9, no. 2, Feb. 1960.

Uncl.

MANACKOVA-ZEKEOVA, Z., BOGATYREV, O.

Properties of the waste water from the sulfate-cellulose production; p. 305.

VODNI HOSPODARSTVI. Czechoslovakia, No. 7, July 1959.

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

PODLESAKOVA, B., inz.; BENDA, O.; GROHA, G., inz.; JILEK, inz.; NANADAL, K., inz.

Conference on the results of the International Symposium on Rationalization of Electric Power Consumption in Warsaw. Energetika CzSuppl.:13 no.7:1-11 '63.

USSR / Pharmacology, Toxicology. Anti-Inflammatory Drugs. V

Abs Jour: Ref Zhur-Biol., No 9, 1958, 42443.

Author : Simonyan, A. T.; Bunatyan, V. P.; Nanagyulyan, O. A.

Inst. : Republican Clinical Hospital ArmSSR.

Title : Butadione in the Therapy of Polyarthritis of Various Etiology.

Orig Pub: Sb. nauchn. tr. Resp. klinich. bol'nitsy, ArmSSR, 1957, 1, 123-129.

Abstract: No Abstract.

Card 1/1

SIMONYAN, A.T.; BUNATYAN, V.P.; NANAGYULYAN, O.A.

Clinical manifestations of lambliogenic hepatocholecystitis according to materials from the Hospital Therapeutic Clinic for 1954-1959. Trudy Erev.med.inst. no.11:261-265 '60.
(MIRA 15:11)

1. Iz gospital'noy terapevticheskoy kliniki Yerevana (zav. klinikoy-prof. A.T.Simonyan) Yerevanskogo meditsinskogo instituta.
(GIARDIASIS) (LIVER--DISEASES) (GALL BLADDER--DISEASES)

SIMONYAN, A. T., zasluzhennyy deyatel' nauki, prof.; NANAGYULYAN, O. A., kand. med. nauk; GYULIKEKHVYAN, N. G.; SINANYAN, R. T.; GRIGORYAN, Ye. A.

Therapeutic effectiveness of a preparation of vanilon. Vrach. delo no.7:44-46 Jl '62. (MIRA 15:7)

1. Klinika gospital'noy terapii (zav. - zasluzhennyy deyatel' nauki, prof. A. T. Simonyan) Yerevanskogo meditsinskogo instituta.

(CYCLOHEXANONE)

NANAI, E.

Conditions of the development of the fruit body in fungi. Bot.zhur. 49 no.11:1620-1624 N '64. (MIRA 18:1)

1. Otdel botaniki Muzeya estestvennoy istorii, Budapesht.

NANASENKO, F.T., dotsent.

Therapy for diseases of the uterus in cows. Veterinariia 32 no.6:58-62 Je '55. (MLRA 8:7)
(COWS--DISEASES) (UTERUS--DISEASES)

NANASI, Csaba

Neutrodyne-circuit input stage. Radiotechnika 14 no.2: 66-67 F'64.

NANASI, J.; TELEKI, GY.

Innovation work of industrial installation service. p. 11.

UJITOK LAPJA, Vol. 7, No. 8 April 1955

(Oszagos Talalmanyi Hivatal) Budapest

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 September, 1956

NANASI, Pal, kandidatus

An account of my study trip to Italy. Kem tud kozl 18 no.3:545-549 '62.

1. Kossuth Lajos Tudomanyegyetem Szerves Kemiai Tanszeke, Debrecen.

NANASI, Palne

An account of my study trip to Italy. Kem tud kozl MTA 19 no.2:271-272 '63.

1. Kossuth Lajos Tudomanyegyetem Szerves Kemiai Tanszeke, Debrecen.

NANASI, P.

KOCSIS, A.; NANASI, P.; FORRO, L.; FEKETE, Z.

Laboratory data on the prevention of bismuthia. Orv. hetil., Budap. 92 no.28:909-912 15 July 1951. (CIML 20:11)

1. Doctors. 2. Skin and Venereal Diseases Clinic (Director -- Prof. Dr. Lajos Szodoray), Debrecen Medical University; Skin and Venereal Clinic (Director -- Prof. Dr. Tamas Ravnay), Szeged Medical University.

N-Substituted glycosylamines derived from sulfanilamide and *p*-aminosalicylic acid. R. Bognár and P. Nánási (Univ. Debrecen, Hung.). *J. Chem. Soc.* 1953, 1703–8.—Although glycosylated sulfonamides are not distinctly superior to the free sulfonamides, their greater solv. in H_2O is of interest. Chemically they are of interest because of the possibilities of isomerism. A no. of *N*-arylglycosylamines derived from sulfonamides, and derivs. thereof, and 4,2-$H_2N(HO)C_6H_3CO_2H$ (I), together with the Me, Et, and Pr esters of the latter, are described. The methods of prepn. are: (*A*) by direct condensation of the sugar and sulfonamide in a solvent, (*B*) fusion of the sugar and sulfonamide, (*C*) condensation of the sulfonamide with acetylbromoglucose, and (*D*) condensation of the fully or partly acetylated sugars with the sulfonamide or with I. The following *N*-(*p*-sulfamoylphenyl)glycosylamines are described (glycosylamine component, m.p., solvent of crystn., rotation in C_5H_5N unless otherwise stated, and method of prepn. given): L-arabinosylamine, 101°, H_2O, 42.7° (*c* 0.9, 50% aq. C_5H_5N), *A*; D-xylosylamine, 168–9°, 50% aq. EtOH, −62.3° (*c* 0.5), *A*; D-*galactosylamine-H_2O*, 174–5°, H_2O-MeOH-EtOH 1:20:10, −97° (*c* 1.9), −90° (*c* 1.8, H_2O), *B*; D-galactosylamine, 171–4°, 75–80% aq. EtOH, −110° (*c* 1.0), *B*; D-mannosylamine-H_2O, 194°, 70% aq. EtOH, −186° (*c* 1.0), *A*; maltosylamine, 212–14°, 80% aq. EtOH, −50° (*c* 0.9), *A*; lactosylamine-$3H_2O$, 210–12°, 83% aq. EtOH, −69° (*c* 1.7), −76° (*c* 1.8, H_2O), *B*; *cellobiosylamine-4H_2O*, 218–16°, 83% aq. EtOH, −81° (*c* 0.9), −88° (*c* 0.9, H_2O), *B*. Sulfanilamide with acetobromoglucose gives 2 anomeric forms, separable by fractional crystn. from 96% EtOH: *N*-(*p*-sulfamoylphenyl)-*β*-D-glucosylamine *2,3,4,6-tetraacetate*, m. 204° (from EtOH), $[\alpha]_D^{23}$ −81° (*c* 1.0, C_5H_5N), $[\alpha]_D^{23}$ −56.5° (*c* 1.7, $CHCl_3$), and the *α-D-isomer* (II), m. 204–5° (decompn.), $[\alpha]_D^{23}$ 203 (*c* 1.2, C_5H_5N) $[\alpha]_D^{23}$ 197 (*c* 0.5, $CHCl_3$). Deacetylation of II furnishes *N*-(*p*-sulfamoylphenyl)-D-glucosylamine (III), apparently the *β*-form, m. 204° (decompn.) (from 90% aq. EtOH), $[\alpha]_D^{23}$ −117° (*c* 0.9, C_5H_5N), $[\alpha]_D^{23}$ −128° (*c* 0.9, H_2O), identical with the product obtained by direct condensation of glucose and sulfanilamide. Acetylation of (+) or (−)-II or of the unacetylated product gives *N-(p-sulfamoylphenyl)-D-glucosylamine N,N',2,3,4,6-hexaacetate*, m. 115° (from 25% aq. EtOH), $[\alpha]_D^{23}$ 77° (*c* 0.9, C_5H_5N). D-Glucosylamine *2,3,4,6-tetraacetate* and *p*-$AcNHC_6H_4SO_2Cl$ in C_5H_5N yields *N-(p-acetamidobenzenesulfonyl)-D-glucosylamine 2,3,4,6-tetraacetate*, m. 197–8° (decompn.) (from EtOH), $[\alpha]_D^{23}$ 12.8° (*c* 1.0, C_5H_5N). By method *D*, *N(p-sulfamoylphenyl)-cellobiosylamine heptaacetate* is obtained from cellobiose heptaacetate and sulfanilamide, m. 274–5° (decompn.) (from 90% EtOH), $[\alpha]_D^{23}$ −31.4° (*c* 1.8, in C_5H_5N). The following derivs. of I are described. By method *A* I and D-galactose give 38% *N-(4-carboxy-3-hydroxyphenyl)-D-galactosylamine*, decomp. 180° (darkening 170°) (from EtOH or MeOH), $[\alpha]_D$ 134° (*c* 0.6, C_5H_5N). D-Glucose and I by a modified method *A* give 85% *N-(4-carboxy-3-hydroxyphenyl)-D-glucosylamine* (IV), m. 142° (decompn.) (from aq. MeOH), $[\alpha]_D^{23}$ −133° (*c* 0.8, C_5H_5N), $\lambda_{max.}$ 2280 A. (ε 10520), 2680 A. (ε 15740), 3000 A. (ε 12440). Methylation of IV yields the *Me ester*, m. 187–9° (decompn.) (from EtOH), $[\alpha]_D^{23}$ −144° (*c* 0.5, C_5H_5N), $\lambda_{max.}$ 2380 A. (ε 10440), 2830 A. (ε 19580), 3050 A. (ε 20640), also obtained by method *A* with Me *p*-aminosalicylate and D-glucose. Similarly prepd. are the *Et ester*, m. 187° (decompn.) (from 75% aq. EtOH), $[\alpha]_D^{23}$ −136° (*c* 1.0, C_5H_5N), and the *Pr ester*, m. 135–7° (decompn.) (from aq. EtOH), $[\alpha]_D^{23}$ −126° (ε 0.9, C_5H_5N). By method *D*, pentaacetylglucose and I, or by method *A*, D-glucose 2,3,4,6-tetraacetate and I give *N-(4-carboxy-3-hydroxyphenyl)-D-glucosylamine 2,3,4,6-tetraacetate*, m. 185–6° (decompn.) (from 50% aq. EtOH), $[\alpha]_D^{23}$ −99° (*c* 1.0, C_5H_5N), −70° (*c* 1.0, $CHCl_3$). $\lambda_{max.}$ 2300 A. (ε 9800), 2740 A. (ε 19760), 3020 A. (ε 15040). Acetobromoglucose and I yield 2,3,4,6-tetraacetyl 1-(4-amino-2-hydroxybenzoyl)-D-glucose, colorless needles, m. 202° (decompn.) (from EtOH), $[\alpha]_D^{23}$ −28.5° (*c* 1.0, C_5H_5N), −56° (*c* 1.7, $CHCl_3$), $\lambda_{max.}$ 2140 A. (ε 8260), 3100 A. (ε 28320). Acetylation gives 89.5%) *1-(4-acetamido-2-acetoxybenzoyl)-2,3,4,6-tetraacetyl-D-glucose*, m. 192–3° (decompn.) (from EtOH), $[\alpha]_D^{23}$ −40° (*c* 1.0, C_5H_5N), −48° (*c* 1.0, $CHCl_3$). $\lambda_{max.}$ 2750 A. (ε 25180).

William Braker

NANASI, P.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

Transglucosylation of aromatic *N*-glucosides. R. Bognár and P. Nánási (Univ., Debrecen, Hung.). *Nature* 171, 475–6(1953).—The transglucosylation of *N*-glucosides of primary aromatic amines is fairly easy. It is concluded that the reaction is dependent upon pH; is sometimes reversible; will proceed to completion in a few min. at low temp. with good yields, is really a transglucosylation rather than a 2-step hydrolysis and redistribution, reglucosylation, and that the tetraacetylglucosyl derivs. also react. The products synthesized and yields (%) are listed: sulfanilamide *N*¹-glucoside, 60–97; *p*-nitroaniline glucoside 41–96; *m*-nitroaniline glucoside 58 and 79; sulfanilamide *N*¹-tetraacetylglucoside (isomeric mixt.) 56 and 60. Various solvents as 85–100% EtOH and 83–100% MeOH were used. The catalysts were abs. and concd. HCl and NH_4Cl.

Aaron Miller

9-25-54

Hungary/Chemical Technology - Chemical Products and Their Application. Fats and Oils. Waxes. Soap. Detergents, Flotation Reagents, I-25

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63456

Author: Nanasi, Pal; Kaloscai, Gyorgy

Institution: None

Title: Possibilities of Further Processing of Oils by Expansion of Production and Effectuation of Industrial Production of Amides of Fatty Acids

Original Periodical: Olajok tovabbfeldolgozasanak lehetosegei gyartas kibovitesevel es a zsirsavamidok ipari gyartasanak megvalositasaval. Olaj. szappan, kozmetika, 1955, 4, No 2, 2-4; Hungarian

Abstract: None

Card 1/1

NANASI, PAL.

HUNGARY/Analytic Chemistry - Analysis of Organic Substances. E-3

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46478

Author : Pal Nanasi, Rezső Bognar, Maria Puskas, Farkas Teichmann, Jenöne Ecsedi

Inst : Debrecen University.

Title : Study of Carbohydrate Derivatives by Paper Chromatography Method.

Orig Pub : Acta Univ. debrecen., 1956, (1957), 3, No 2, 95-103.

Abstract : The chromatographic separation of simple and complex sugars, primary aromatic amines, N-aryl derivatives of glucosylamines (I) and corresponding aglycones in the case of their simultaneous presence was carried out and the values of R_f-s were determined. 6 mixtures of solvents were tried, the mixture n-butanol - pyridine-

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NANASI, P.

HUNGARY/Organic Chemistry. Naturally Occurring Substances and Their Synthetic Analogs. G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11408

Author : Bognar, R., and Nanasi, P.
Inst : Not given
Title : N-Glycosides. III. Synthesis of Tetraacetates of Glycosylamines. IV. Transglycosylation of N-Arylglycosylamines.

Orig Pub: Magyar Kem Folyoirat, 62, No 1, 31-37; No 3, 88-94 (1956)

Abstract: III. During the preparation of aromatic glycosylamines which are acetylated in the sugar residue by various routes (acetylation of N-arylglycosylamines by $(CH_3CO)_2O$ + pyridine, action of bromoacetyl sugars on aromatic

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b

Abs Jour Referat Zhur-Khimiya, No 4, 1958, 11408.

(from 1.1; chloroform), M -18 - -22.5°; N-p-sulfamyl-phenyl-D-mannosylamine-TA, α 196° (from ether + petroleum ether), + 48° (from 0.8; pyridine), β 193° (from alcohol), -149.8° (from 1.5; pyridine) M -29.0 - -33.1° [hexaacetate, mp 133-134° (from alcohol, + 62.5° (from 1.1; pyridine), + 73.3° (from 0.6; chloroform)]; n-p-tolyl-D-galactosylamine-TA, α 128° (from alcohol), + 189° (pyridine), β 127° (from alcohol), -53° (from 1.2; pyridine), -29.7° (from 1.3; chloroform), M + 43.5 - + 43.7°.

IV. The transglycosylation reaction between various glycosylamino derivatives and aromatic amines on refluxing in alcoholic solution has been investigated.

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Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11408.

give III, 45%. The latter reaction appears to be a direct transglycosylation and not a redistributive transglycosylation as can be seen from the following facts: the reaction proceeds with ease in an anhydrous medium with dry HCl; the rate of formation of III is 5-10 times higher for the various N-arylglycosylamines than from the reaction of glucose with sulfanilamide in the presence of various agliconylamines under similar conditions. For Communication II see RZhKhim, 1956, 43277.

NANASI, P.

HUNGARY/Organic Chemistry. Natural Substances and their Synthetic Analogues. G-3

Abs Jour: Ref, Zhur.-Khimiya, No II, 1958, 36321.

Author : Bognar R., Nanasi P., Nansine-Nemes E.
Inst : Not given.
Title : N-Glucosides. V. [Overglycosylation?] of Various Mono and Di- Saccharid Containing N-Glucosyl-Arylamines, Containing Acetylated Sugar Groups.

Orig Pub: Magyar kem. folyoirat, 1956, 62, No 8, 271-275.

Abstract: I gr. of N^4-n-sulphamylphenylmannosylamine and 0.5 gr. of n-toliudine are dissolved while heating (15 min) in a mixture cnntaining 8cc CH_3OH and 4cc water, containing 3 drops of concentrated HCl. The yield of obtained N-n-tolyl-D-mannosylamine is 70% of 182° melting point (from aqueous CH_3OH), $[\alpha]_D^{22}$ -178° (with 0.9; C_5H_5N),

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HUNGARY/Organic Chemistry. Natural Substances and Their Synthetic Analogues. G-3

Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36321.

$[\alpha]_D^{22}$ D-99.1° (with I; CH_3OH). 0.7 gr. of N-(4-carboxy-3-oxyphenyl)-D-galactosylamine and 0.4 gr. of sulphamylamide (SA) is dissolved while heating (5 min) in 6 cc 80% CH_3OH, containing 4 mgr HCl. After addition of ether to the cooled solution N⁴-n-sulphamylphenol-D-Galactosylamine is obtained with yield of 50%, 174 C melting point (from aq. alc), $[\alpha]_D^{22}$ D-95° (with 1.5; C_5H_5N). 1.6 gr. of N-(4-carboxy-3-oxyphenyl)-lactosamine and 0.6 gr. SA are dissolved while heating (5 min) in 12cc of 70% ethanol, containing 7 mgr. HCl. After cooling and addition of ether, N⁴-n-sulphomylphenyllactosylamine is obtained with 55% yield, 208° melting point (from 83% alcohol), $[\alpha]_D^{22}$ D-66.1° (with 1.5; C_5H_5N). 0.86 gr. SA is dissolved in a mixture of 20cc ethanol and 0.3 cc

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Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36321.

water, to which 1 drop of concentrated HCl was added. 1.35 gr. of α-N-n-tolyl-D-glucosylamine is added to the warm solution. After heating the above mixture on a steam bath for 4 minutes N^4-n-sulphamylphenyl-D-glucosylamine is formed with 43.5% yield, 202° melting point, $[\alpha]^{20}$ D-115.2° (with 1.0; C_5H_5N). The hydrolises of the product HCl result in the formation of SA with 77% yield. 2.1 gr. of α-N-phenyl-D-glucosylamine-tetraacetate and 0.9 gr. SA are dissolved while heating (15 min.) in 15cc of absolute ethanol and in the presence of 0.05cc HCl resulting in the formation of anomers N^4-n-sulphamylphenyl-D-glucosylamine-tetraacetate (I), which consists predominantly of an anomer with the melting point of 188-192°, $[\alpha]^{24}$ D + 95° (with 0.9;

Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36321.

C_5H_5N). If the reaction is conducted in ethanol, the mixture obtained becomes richer in an anomer with themelting point of 190°, $[\alpha]_D^{24}$ + 26.2° (with 0.7; C_5H_5N). The acetylation of products in the presence of $(CH_3CO)_2O$ and $ZnCl_2$ yields hexacetate with 115° melting point, $[\alpha]_D^{24}$ + 75° (with 0.7; C_5H_5N). 1gr. of dry β-N-phenyl-D-glucosylaminetetraacetate and 0.43 gr. of SA is boiled in absolute ethanol, containing HCl (15 min), thus obtaining I with 60% yield, 185 melting point (from alc.), $[\alpha]_D^{24}$ + 49.4° (with 0.6; C_5H_5N). 0.5 gr. of β-N-n-tolyl-D-glucosylaminetetraacetate (II) and 0.2 gr. of SA is dissolved while heating in 2cc of absolute ethanol, containing 4mgr. HCl. after addition of 10cc cold water, 80% yield of a product is formed that has 185-192°

Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36321.

melting point (from alc.), $[\alpha]^{\lambda\lambda}$ D + 30.0° (with 0.9; C_5H_5N). From the anological treatment of 0.55 gr. of N-n-tolylglucosylaminetetraacetate followed by pouring of cooled solution into 30 cc of water, 26 gr. of a product having 140 melting point, $[\alpha]$ D-16° (C_5H_5N) is obtained. If the reaction is conducted in the presence of 0.3 gr. C_5H_5N, then 0.5 gr. of a product having 140° melting point and $[\alpha]$ D + 21.5° (C_5H_5N) is obtained. C_5H_5N does not enter the reaction, but its presence inhibits destruction of the products. Anologically (in the presence of C_5H_5N) from 0.5gr. of II and 0.4 gr. of n-anilibromide a mixture of anomers of N-n-bromophenil-D-glucosylaminetetraacetate (III) with 158 melting point $[\alpha]^{ii}$ D-68° (with 0.9; C_5H_5N) is obtained. And from

HUNGARY/Organic Chemistry. Natural Substances and their Synthetic Analogues. G-3

Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36321.

0.5 gr. of β -N-n-sulphamylphenol-D-glycosylaminetetra-acetate (IV) and 0.4 gr. of anilinebromide, III is obtained, with 0.3 gr. yield, 161° melting point (from alc.) $[\alpha]_D^{22}$ -56.5° (with 0.9; C_5H_5N), $[\alpha]_D^{22}$ - 31.6° (with 0.7; $CHCl_3$). When the above reaction IV with aniline bromide is carried out in absolute CH_3OH, III is obtained with 162° melting point, $[\alpha]_D^{22}$ -56.5° (C_5H_5N). 0.5 gr. of β -N-n-bromine-phenil-D-glucosylaminetetraacetate and 0.4 gr. of SA is dissolved in 2cc of alcoholic solution HCl forming a mixture of I anomers with 184-190° melting point (from alc.), $[\alpha]_D^{22}$ -35° (with 0.9; C_5H_5N). Thus, the overglycosylation of the acetyl derivatives is a reversible reaction. When overglycosylation of the non-acetylated N-arylglucosylamine derivatives takes place, the

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HUNGARY/Organic Chemistry. Natural Substances and Their Synthetic Analogs. G-3

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43460.

Author : Bognar R., Nanasi P.
Inst : Hungarian Academy of Sciences.
Title : The Extension of Transglycosylation Reactions to N-Arylglysylamines.

Orig Pub: Acta chim. Acad. sci. hung., 1957, 12, No 1, 115-117.

Abstract: The reaction of transglycosilation which consists in a transfer of the hexose residue of D-arylhexosamine to another arylamine (see RZhKhim, 1955, 55193; 1958, 11408) is extended to cases of interchange of hexose residues between N-arylhexosamines of their acetates and other hexoses, and also to their exchange with other N-arylamine hexoses. The reaction of transglycosilation

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NAMASI, P.

3/2 Mary

7

/36. Nitrogen glucosides. Examination of isomeric N-aryl-glucosylamine tetraacetates. K. Hegnár, P. Nánási. *Magyar Kémiai Folyóirat*, Vol. 64, 1958, No. 2, pp. 66—70, 8 figs.

Anomers of N-aryl-glucosylamine tetraacetates anomerize very fast in methanol containing hydrochloric acid and hydrolysis occurs only to a negligible extent. The pure anomers can be prepared by fractionated crystallization or by extraction of the equilibrium mixture of the anomers. This represents a new method for the conversion of the more easily available *beta*-anomeric acetates into *alpha*-anomers. In pyridine-acetic anhydride and in pyridine-acetic acid N-phenyl- and N-*p*-tolyl-glucosylamine tetraacetate undergo mutarotation. This fact explains the formation of mixed anomeric acetates during acetylation reactions made in pyridine-acetic acid anhydride. The stability of the N-glucosidic bond can be examined by the gravimetric determination of the amine aglucone liberated through acid hydrolysis and by measuring the mutarotation in pyridine. The stability decreases with increasing basicity of the amine. Acetylated derivatives are more stable than the non-acetylated.

RB 1/1

BOGNAR, Rezso, prof., dr. (Debrecen); NANASI, Pal, dr. (Debrecen)

N-glycosides, VI. Investigation of isomeric N-aryl-glycosylamine tetraacetates. Acta chimica Hung 22 no.3:301-311 '60. (REAI 9:11)

1. Institute of Organic Chemistry, Lajos Kossuth University, Debrecen.
(Glycosides) (Glycosylamines) (Aryl groups)

NANASI, Pal; BOGNAR, Rezso

Nitrogen-glycosides. IX. Production of isomeric N-aryl-glycosylamines.
Magy kem folyoir 68 no.1:32-36 Ja '62.

1. Kossuth Lajos Tudomanyegyetem Szerves-Kemiai Intezete, Debrecen.
2; "Magyar Kemiai Folyoirat" szerkeszto bizottsagi tagja(for Bognar).

(Nitrogen) (Glycosides) (Aryl groups)
(Glycosylamines)

NANASI, Pal; BOGNAR, Rezso

Nitrogen-glycosides. X. Paper chromatographic investigation of the transglycosylation of N-aryl-hexosylamines and aryl-amines. Magy kem folyoir 68 no.1:37-40 Ja '62.

1. Kossuth Lajos Tudomanyegyetem Szerves-Kemiai Intezete. 2. "Magyar Kemiai Folyoirat" szerkeszto bizottsagi tagja(for Bognar).

(Nitrogen) (Glycosides) (Aryl groups)
(Glycosylamines)

BOGNAR, Rezso; NANASI, Pal

Nitrogen-glycosides. XI. Magy kem folyoir 68 no.10:444-452 O '62.

1. Kossuth Lajos Tudomanyegyetem Szerves-Kemiai Intezete, Debrecen. 2. "Magyar Kemiai Folyoirat" szerkeszto bizottsagi tagja (for Bognar).

SZENDE, Laszlo; NANASI, Sandor

Acoustic constructions of the new studio building of the Hungarian Radio. Magy ep ipar 10 no.7:244-257 '61.

NANASSY, B.

"Supervising the carrying out of regulations relative to shipping dangerous materials by railway." (p.73). CUKORIPAR (Cukoripar es a Mezogazdasagi Ipari Tudomanyos Egyesulet) Budapest. Vol 9, No 5, Feb. 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

NANASSY, B.

NANASSY, B.

"Controlling the Observance of Regulations for Dangerous Materials in Railroad Transportation. (To be contd.)", P. 61. (KOZLEKEDESI KOZLONY, Vol. 9, No. 4, Jan. 1954, Budapest, Hungary)

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

NANASSY, B.

NANASSY, B. - Hungary - Vol. 11, no. 1, Jan 1955.

We must realize the goals fixed by workers at the Matyas Rakosi Works in the field of transportation as well as in other fields. p. 10.
Problems of winter traffic in the territory of the Debrecen Railroad Directorate. p. 11.
New international agreement on transportation by rail put into effect. p. 12.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

NANASSY, B.

NANASSY, B. - New significant legal institutions introduced by the new International Convention for the Transportation of Goods by Railroads. p. 297.
Vol. 6, no. 7/8, July/Aug. 1956.
Kozlekedestudomanyi Szemle. Budapest, Hungary.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

NANASSY, Bela, dr.

The expected future development in the International Agreements on Railroad Passenger and Luggage Transportation as well as the Shipment of Goods (CIV and CIM). Kozleked kozl 17 no.52:896-899 D '61.

(Shipment of goods) (Railroads)

NANASSY, Bela, Dr.

Development of the limitation to the highest amount of railroad damages. Kozleked kozl 18 no.17:281-283 29 Ap '62.

NANASSY, Bela, dr.

The question of unification of rules on railroad freightage.
Kozleked kozl 18 no.48:869-872 2 D '62.

NANASSY, Bela, dr.

Responsibility of the Hungarian State Railways for the injury and death of passengers. Kozleked kozl 19 no.14:215-218 7 Ap '63.

NANASSY, Bela, dr.

Rules on the schedule of the continuous shipment of goods prescribed in railroad freight transportation contracts. Kozleked kozl 20 no.38:37-40 [illegible] Ja'64.

NANASSY, Bela, dr.

The new international railroad transportation pacts go into effect January 1, 1965. Kozleked kozl 20 no.50:824-827 13 D '64.

NANASSY, Bela, dr., nyugalmazott foigazgato

The new international railroad transport agreement effective January 1, 1965. Kozleked kozl 20 no.52:869-872 27 D '64.

1. Hungarian State Railways.

NAHASSY, Bela, dr., nyugalmazott foigazgato

The new international railroad transport agreements effective January 1, 1965. Kozleked kozl 20 no.51:851-856 20 D '64.

1. Hungarian State Railways.

MOLNAR, Miklos, dr.; NANASSY, Endre, dr.

Neurologic complications of hematological diseases in childhood.
Gyermekgyogyaszat 14 no.9:282-285 S '63.

1. Heves megyei Tanacs Korhaza Gyermekosztalyanak kozlemenye
Foorvos: Gyarmati Mihaly dr.
(CEREBRAL HEMORRHAGE)
(CENTRAL NERVOUS SYSTEM DISEASES)
(LEUKEMIA) (HEMOPHILIA)
(NEUROLOGIC MANIFESTATIONS)

NANASYAN, L.N.

BALDINA, A.I.; NANASYAN, L.N.

Result of biomycin therapy of amebic dysentery. Med. paraz. i paraz. bol. no.4:318-321 O-D '54. (MLRA 8:2)

1. Iz klinicheskogo sektora Instituta malyarii, meditsinskoy parazitologii i gel'minologii Ministerstva zdravookhraneniya SSSR (dir. instituta prof. P.G.Sergiyev, zav. sektorom prof. N.H.Plotnikov i iz gospital'noy terapevticheskoy kliniki sanitarno-gigiyenicheskogo fakul'teta I Moskovskoge ordena Lenina meditsinskogo instituta (dir. kliniki prof. Ye.M.Tareyev)

(CHLORTETRACYCLINE, therapeutic use,
amebiasis, intestinal)
(AMEBIASIS, INTESTINAL, therapy,
chlortetracyline)

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S/140/60/000/005/013/021
C111/C222

16.1000

AUTHOR: Nanava, Sh.I.

TITLE: On the Representation of Numbers by Positive Quadratic Forms

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1960, No. 5. pp. 116 - 128

TEXT: The author uses the notations of (Ref. 5).
§ 1. Let $r_{s,(k)}(n)$ be the number of solutions of

$$(1) \qquad \sum_{j=1}^{s} k_j x_j^2 = n$$

in integers x_j. For arbitrary h and q let

$$(11) \qquad S_{k_j}(h,q) = \sum_{a \bmod q} e\left(\frac{h}{q} k_j a^2\right) .$$

Let

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On the Representation of Numbers by Positive Quadratic Forms

S/140/60/000/005/013/021
C111/C222

$$(13)\quad A_{(k),2q}(n) = \sum_{0<h\leq 2q} \left\{ \prod_{j=1}^{s} \frac{S_{kj}(h,2q)}{2q} \right\} e\left(-\frac{hn}{2q}\right), \quad (h,q) = 1$$

$$(14)\quad S_{s,(k)}(n) = \sum_{q=1}^{\infty} A_{(k),2q}(n) \quad ,$$

$$(15)\quad R_{s,(k)}(n) = \frac{\pi^{\frac{s}{2}}\, n^{\frac{s}{2}-1}}{\Gamma\left(\frac{s}{2}\right) \prod_{i=1}^{s} k_j^{\frac{1}{2}}} S_{s,(k)}(n)$$

Theorem 1 : It holds $r_{s,(k)}(n) = R_{s,(k)}(n)$ $(5 \leq s \leq 8 \; ; \; 2/k_j \; , \; j=1,2,..,s)$ where $R_{s,(k)}(n)$ is given by (15).

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