


Z/009/61/000/001/002/006
E112/E153

Semi-industrial Production of Furnace Blacks from Hydrocarbon Oil

Physical tests were: specific surface and electrical resistance. Specific surfaces were determined by two methods, apparently Soviet, but details are not disclosed. They are expressed in m^3/g , and the carbon blacks are assorted according to specific surface into five main groups, with the following characteristics: From furnace 12: 20-35 m^3/g , FEF... 40-50 m^3/g , HAF (high abrasion)... 60-80 m^3/g , ISAF (intermediate super abrasion)... 80-120 m^3/g , and SAF (super abrasion)... 120-170 m^3/g . All types of blacks (with the exception of black from furnace 12) were assessed technologically in tread compounding at the VÚ gumárenské a plastikářské technologie (Research Institute for Rubber and Plastics Technology), Gottwaldov. Results are tabulated; tests included strength, modulus, elongation, rebound resilience, abrasion resistance, and shear hardness. Temperature was found to be the main factor affecting yield and characteristics of the carbon blacks. It was found that the yield diminished as the combustion temperature increased. A temperature range from 900 to 1550 °C was investigated, and results are presented

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Semi-industrial Production of Furnace Blacks from Hydrocarbon Oil graphically and in the form of a table. The specific surfaces of carbon black, on the other hand, increased with an increase of temperature. Results are again presented graphically and in a table. Another table summarises the effects of temperature on the yields of the five standard types of carbon blacks. The effects of different ratios of air:raw material were studied and results are tabulated. Results are greatly influenced by local conditions and vary with the size of the retorts. It is concluded that the semi-industrial plant at Ostrava is capable of producing a wide gamut of carbon blacks, which on the whole are equivalent to carbon blacks of foreign origin. There are 4 figures, 6 tables and 8 references: 2 Czech, 3 English, 2 Soviet and 1 German.

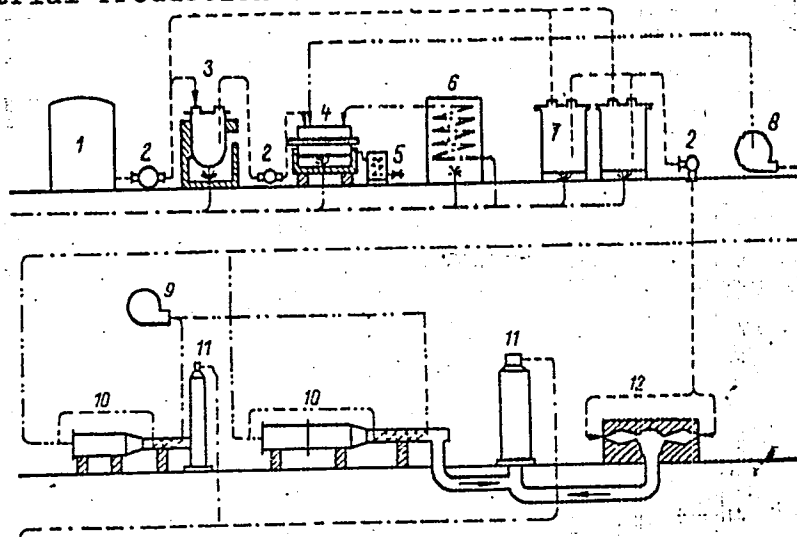
ASSOCIATION: Urxovy závody, n.p., Ostrava
(Urx Works, Ostrava)

SUBMITTED: October 8, 1960

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Semi-industrial Production of Furnace Blacks from Hydrocarbon Oil



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Fig.1

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Semi-industrial Production of Furnace Blacks from Hydrocarbon Oil

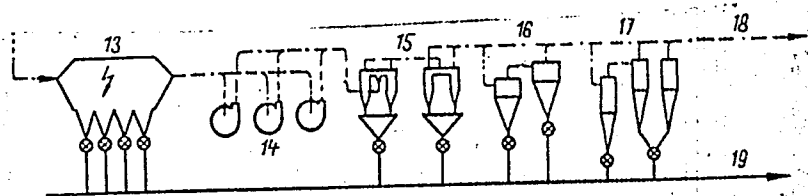


Fig.1 continued

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E112/E253

AUTHOR: Janík, Miroslav

TITLE: Recovery of p-Xylene from Coal Tar

PERIODICAL: Chemický průmysl, 1961, No. 3, pp. 113-117

TEXT: Design and operational details of a pilot plant for the recovery of p-xylene from crude coal tar xylenes by the freezing-out method are submitted. Other methods for p-xylene isolation are discussed but rejected for reasons of economics and processing difficulties. Crude coal tars are mainly composed of ethylbenzene, p-xylene, m-xylene, o-xylene and smaller proportions of toluenes. The composition of the C₈-aromatics does not vary greatly and can be calculated from thermodynamic equilibria. Proportion of p-xylene in crude xylenes varies from 16-24%. Boiling and melting points and heats of fusion of the isomers are listed. With the exception of toluene, the boiling points are very close together. Separation of toluene by distillation may be accomplished readily, and separation of o-xylene is done commercially, although with more difficulty. Separation of ethylbenzene or m-xylene from p-xylene by distillation is highly impracticable

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Recovery of p-Xylene from Coal Tar

because of the small differences in their boiling points. The freezing point of p-xylene is a great deal higher than that of its associated isomers and use is made of this physical property for carrying out separation. Several variations of crystallization procedures are described, all of them utilizing the same principle: low temperature chilling and separation of the crystals by mechanical devices. Quantitative aspects of low-temperature crystallization of p-xylene are discussed. Disadvantages of the method are the comparatively large amounts of p-xylene, left in the mother liquors (8-10%), which are not recoverable by crystallization. By reference to the solubility curves, it is obvious that on chilling the crude mixture of xylenes the saturation temperature for p-xylene will be reached before saturation values for o- and m-xylene are encountered. On continued cooling, the solubility of p-xylene will be reached causing more crystallization of pure p-xylene, until the next isomer, o-xylene begins to precipitate as binary eutectic. Further cooling will result in the cocrystallization of m-xylene as ternary eutectic when its

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Recovery of p-Xylene from Coal Tar

saturation temperature is reached. Accordingly the amount of pure p-xylene recoverable from this typical mixture is limited by the eutectic point and operations carried out for the production of p-xylene must be at a temperature level above this point. Yields of p-xylene vary from 50-70%. Variations to increase the yields of p-xylene by the freezing-out method are listed and are based on the addition of refrigerants (ethylene, dry-ice) to the precooled xylene mixture, or on the use of complex-forming substances (carbon tetrachloride) as additives to the chilled xylenes. Laboratory experiments for the recovery of p-xylene by the standard low temperature method are described, using 1 litre (0.85 kg) batches of crude xylene, containing 22.5% of the p-, and 50% of the m-isomer. Best results were obtained at -60 to -65°C, yielding 13% p-xylene of 80% purity. Addition of dry-ice to the precooled xylene mixture gave inferior results. Subsequent laboratory trials on a larger scale were undertaken with 10 kg crude xylene batches. Refrigeration to -70°C was achieved with dry-ice. Crystals were separated by means of a laboratory basket

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Recovery of p-Xylene from Coal Tar

type centrifuge. Yields were 14% p-xylene of 90% purity. Based on laboratory information a pilot plant was designed, the flow diagram of which is submitted: Solvent xylenes, with 21% p-xylene are pumped through a drier, charged with dry caustic soda for removal of water. They are precooled with cold filtrate from the first centrifugation step in a heat exchanger. The precooled feed is further chilled with ammonia so as to enter the crystallization tank at -45°C , the temperature of beginning crystallization. The crystallization vessel is the continuous tube type and is cooled with ethane. The crystal slurry is then led into a holding tank provided with stirrer, where it is held for a sufficient length of time to permit a close approach to equilibrium for p-xylene crystallization, thereby realizing maximum p-xylene recovery; also the crystals tend to grow in size in the agitated holding tank, making them more amenable to purification in a subsequent centrifuging operation. The crystals of p-xylene are conveyed pneumatically to the crystallization vessel where they are melted in a concentrated solution of p-xylene (approx. content 65%) and allowed to crystallize at -8°C . The filtrate of
Card 4/5

JANIK, Miroslav

70 years of coke chemistry. Chem prum 12 no.7:337-341
Jl '62.

1. Urxovy zavody, n.p., Ostrava.

JANIK, Miroslav

A conference on chemistry in Ostrava. Chem prum 12 no.11:617-618 N
'62.

1. Urxovy zavody, n.p., Ostrava.

JANIK, Miroslav

Research trends in coal tar processing from hard coal and its components. Koks 8 no.5:158-159 S-0 '63.

1. Urxovy Zavody, Ostrava.

JANIK, Miroslav

Pyridine bases from high-temperature coal carbonization.
Chem prum 14 no.2:61-67 F'64

1. Urxovy zavody, n.p., Ostrava 3.

BARTELA, M., JAC. VODA, I.; JAMIK, N.

Provisionary results in the treatment of lung tuberculosis with
so-called minor antitubercular agents. Acta chir. orthop.
traum. Czech. 32 no.2:138-142 Apr 1966.

1. I. chirurgické oddelenie Liečebne pre tuberkulózu vo
Svätých Bazoch, (vied. listy Liečebne MSPr. I. Ústg).

HABERFELD, Arnost, inz.; JANIK, Samuel

Operational evaluation of Diesel motor oils. Zel dop tech ll no.
5:131-132 '63.

CZECH/3-59-12-26/39

32(1)

AUTHOR: Janík, Vladimír

TITLE: "Aerotaxis" Fly Over the Ukraine

PERIODICAL: Křídla Vlasti, 1959, Nr 12, p 17 (CSR)

ABSTRACT: Article deals with the delivery of large number of Super-Aero aircraft to the USSR's Aeroflot. The aircraft are flown to Lvov by CSR crews and from Lvov by Aeroflot's crews to a destination in USSR. Three CSR technicians, with their families, moved to Lvov in January 1959 to aid in the assembly of Super-Aeros which were shipped by rail. At present, the Super-Aeros are being utilized at Kiyev, Kharkov, Rostov, Odessa, Krasnodar, Stalingrad, Kuybyshev, Sumy, Poltava, Krivoy Rog, Simferopol' and other, even smaller airfields. Two Aero-200s were delivered to the Research Institute in Moskva for tests. Subsequently a large number of Aero-200s will be delivered to the USSR. The prototype of an Aero-145 (OK-KDA) was successfully tested in Kiyev. There are 4 photos.

Card 1/1

JANIK, V.

"Small gasoline electric generators."

ELEKTROTECHNIK, Praha, Czechoslovakia, Vol. 14, No. 6, June 1959

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

Unclassified.

JANIK, Vojtech

Management of operations. Zel dop tech 12 no.9:239 '64.

1. Stationmaster of the Kosice Railroad Station.

JANIK, Vojtech

Practical examples of the operation management. Zel dop tech
12 no.12:326-327 '64.

1. Stationmaster of the Kosice railroad station.

JANIK, Z.

Distr: 4E2c(j)/4E3d
 Poly(vinyl alcohol), Zdeněk Janík, Czech. 84,013,
 Sept. 1, 1955. The procedure avoids all difficulties with
 removing by-products and cleavage products from the reac-
 tion mixt. When 1000 parts poly(vinyl acetate) emulsion
 contg. 30% of dry substance is hydrolyzed with 850 parts of
 30% HCl, and 420 parts ground limestone or chalk is added
 with stirring, poly(vinyl alc.) ppts. from the soln. After
 removing the mother liquors, 1000 parts H₂O is added, the
 solid material is dissolved and neutralized again with ground
 limestone, the ppt. is washed with H₂O and filtered with suc-
 tion, and the solid is dried, 150 parts poly(vinyl alc.) is ob-
 tained. The neutralization can be carried out also with
 Na₂CO₃; however, the pH 7 must not be exceeded.
 V. Kratochvílová

1-202 (NA)

5/1

CFK

JANIK, Z.

174312

Z/009/60/000/009/005/005
E112/E453

AUTHORS: František Hadobáš and Zdeněk Janík

TITLE: High-Impact Polystyrenes

PERIODICAL: Chemický průmysl, 1960, No. 9, pp. 500-503

TEXT: Czechoslovakia's Five Year Plan for the chemical industry envisages the production of high-impact polystyrenes. The present paper is an attempt at their classification and a survey of their properties. It is pointed out that ordinary polystyrene has a very low impact resistance. Attempts were made to overcome it by the addition of plasticizers. However, tensile and bending strength and heat resistance were adversely affected. The problem was solved by introducing mixtures or copolymers with certain elastomers, such as butadiene-styrene rubbers. Different types are now available dependent on whether the elastomer is simply mixed with polystyrene or whether it is added prior or during polymerization. Two types are usually encountered: medium impact polystyrene and high impact polystyrene, which in addition has high thermal stability. The latter is usually a copolymer of acrylonitrile-butadiene-styrene. A table gives physical data and comparisons of a) normal polystyrene; b) medium-impact

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E112/E453

High-Impact Polystyrenes

polystyrene; c) high-impact polystyrene; d) high-impact polystyrene with high thermal resistance. Data include: tensile strength, elongation at break, modulus of elasticity, resistance to flexing, hardness, notch toughness, flexing resistance at impact and heat resistance. The relation between constitution of the high-impact polystyrenes and physical characteristics are surveyed. Suspension-polymerized polystyrene is usually employed as one of the components rather than the block polymer. The latter has a molecular weight of approx 100000 and although a high molecular weight improves tensile strength of the final product, it affects adversely its flow characteristics. This may then cause difficulties in injection moulding. The effect of concentration of components on physical data is discussed. The impact resistance increases with increased proportions of butadiene but tensile strength deteriorates. The effect on tensile strength and elongation of varying proportion of butadiene is presented in the form of a graph. The methods of combining the components, e.g. whether they are merely mixed or copolymerized, and the properties of the resulting materials are considered.

Card 2/3

POLAND

ZERA, Edmund, HOFEMAN, Maria, JANIK, Zofia, ILMURZYNSKA, Krystyna, and KRZYZANOWSKA, Regina; Post-hospital Cardio-logical Rehabilitation Center (Kardiologiczny Ośrodek Rehabilitacji Pozszpitalnej) at the Sanatorium in Naleczow and Cardiology Clinic (Klinika Kardiologiczna) of the Physicians' Postgraduate Training Program (Studium Doskonalenia Lekarzy), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. med. Edmund ZERA)

"Rehabilitation of Patients with Myocardial Infarction."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 34, 19 Aug 63, pp 1264-1267

Abstract: [Authors' English summary modified] Authors report on procedures and determinations used to ascertain the effectiveness of sanatorium rehabilitation on patients with a history of myocardial infarction. They found the procedure helpful to patients recovery and determination of capacity for work. Effectiveness of rehabilitation depended more on extent of original injury than on the age, sex, localization, complications during first attack, and number of attacks. 8 refs: 3 Polish, 8 Western.
1/1

JANIKOVA, E.

"Fast Method for Determining the Total Sulfur Content of Sulfite Liquors." p. 98, Praha, Vol. 9, no. 4, Apr. 1954.

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

JANIK, Zdzislaw

(Gdynia)

The Elblag Plateau. Czasop geogr 35 no.2:187-200 '64

JANIKOVA, M.

CZECHOSLOVAKIA

MALY, M.; BARTLOVA, S.; JANIKOVA, M.; SAULOVA, A.

CSSR

District Hygiene and Epidemiological Station, Brno-rural (Okresni
hygienicko-epidemiologicke stanice, Brno-venkov)

Prague, Ceskoslovenska hygiena, No 10, 1962, pp 604-609

"Influence of Protective Coating on the Sanitary Standards of Water"

4

JANIKOVSKY, B.

Ivan Valko's Erzeke szerveink es a technika (Our Sensory Organs and Technique);
a book review. p. 446

Vol. 114, no. 7, July 1955
TERMESZET ES TARSADALOM
Budapest

Source: Monthly list of East European Acquisitions, (EEAL), LC,
Vol. 5, no. 3, March 1956

CSANA, Gyorgy, Dr.; TORO, Imre, Dr. (Munkatarsak); KLSS, Ferenc Istvan, Dr.;
JANIKOVSZKY, Bela, Dr.

New method for cancer diagnosis: the agar-binding reaction. Orv. hetil.
99 no.17:553-561 27 Apr 58.

1. A Budapesti Orvostudományi Egyetem Szövet- és Fejlődéstan Intézetének
(igazgató: Toro Imre dr. egyet. tanár) közleménye.

(NEOPLASMS, diag.

agar-agar fixation test (Hun))

(AGAR

agar-agar fixation test in cancer diag. (Hun))

STRAUSZ, Imre, dr.; JANIKOVSKY, Bela, dr.

Corticosteroid myopathy. Orv.hetil. 101 no.27:946-948 3 J1 '60.

1. Az Orvostovabbkepzo Intezet III. sz belosztalya.
(RHEUMATIC HEART DISEASE ther)
(CORTICOTROPIN toxicol)
(PREDNISONE toxicol)
(MUSCULAR ATROPHY etiol)

STRAUSZ, Imre, dr.; JANIKOVSKY, Bela, dr.

A case of closed heart rupture. Magy. Belorv. arch, 15 no.2:77--79
Ap '62.

1. Orvostovabbkepzo Intezet III. sz. belosztalya.
(MYOCARDIAL INFARCT compl)

HUNGARY

STRAUSZ, Iara, Dr, KEXES, Ede, Dr, MOLNAR, Antal, Dr, JANKOVSKY, Bela, Dr; Institute for Graduate Medical Study, III. Medical Department (Orvostovabkepro Intezet, III. Belgyogyaszati Tanszek).

"Appearance of Normoblasts in Peripheric Blood in Some Cases of Cardiac Inaufficiency."

Budapest, Orvosi Hetilap, Vol 104, No 6, 10 Feb 1963, pages 255-257.

Abstract: [Authors' Hungarian summary modified] Appearance of normoblasts in the peripheric blood in cases of acute inaufficiency of the right side of the heart is a symptom of sudden hypoxia and is observed in one third of the cases. It is a measure of the severity of the inaufficiency on the right side and is a bad prognostic sign. Normoblasts are frequently found after pulmonary infarcts. Their presence in peripheric blood is transient and they disappear with the correction of the decompensation often without the increase of the O₂ saturation in the arterial blood. It is seldom observed in chronic right side inaufficiency. All referances are Western.

1/1

Janikowa, J.

POLAND/Physical Chemistry - Surface Phenomena, Adsorption, Chromatography, Ion Interchange.

B-13

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3987.

Author : J. Janikowa.

Inst : Academy of Science of Poland.

Title : Surface Tensions and Electric Potentials on Free Surface of Aqueous Solutions of Wetting Agent.

Orig Pub: Bull. Acad. polon. sci., 1957, Cl. 3, 5, No 4, 407-410, XXXII.

Abstract: The surface tension (σ) and the shift of the surface potential (ΔV) of Na dioctylsulfosuccinate aqueous solutions in their dependence on pH and KCl additions were measured. It is shown that these additions decrease the σ of the solutions and increase ΔV the more, the lower is pH. The influence of pH is especially strongly revealed in the range of pH below 2.

Card : 1/1

-2-

JANIKOWA, J.

On the additivity of the free surface potential of the constituents
in solutions. Bul chim PAN 8 no.4:185-188 '60.

(EEAI 10:9/10)

1. Laboratory of Physical Chemistry, and Electrochemistry, Jagiellonian
University, Cracow. Presented by B. Kamienski.

(Solutions) (Surface chemistry)

JANIKOWA, J.

On the influence of strong electrolytes on the electric potential and surface tension of alkanol S. Bul chim PAN 8 no.4:189-190 '60. (EEAI 10:9/10)

1. Laboratory of Physical Chemistry and Electrochemistry, Jagiellonian University, Cracow. Presented by B. Kamienski.

(Electrolytes) (Surface chemistry)

(Electromotive force) (Alkanol)

TOMASSI, Witold; JANIKOWNA, Maria

Halogen electrodes on carbon and platinum powders. Przem
chem 41 no.8:449-451 Ag '62.

1. Katedra Chemii Fizycznej, Politechnika, Warszawa.

POLAND/Nuclear Physics - Installations and Instruments. Methods of Measurement and Research C-2

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 14922

Author : Janikowski Andrzej
Inst : Not Given
Title : Status of Manufacture of Geiger-Mueller Counters in Poland

Orig Pub : Nukleonika, 1957, 2, No 3, 489-505

Abstract : No abstract

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Card 1/1

POLAND

BIEGUSZEWSKI, Zygmunt; DABEK, Wacław; JABLONSKA, Jadwiga;
JANIKOWSKI, Andrzej; TOPA, Jerzy

Department of Reactor Engineering, Nuclear Research
Institute (Instytut Badan Jadrowych Zaklad Inzynierii
Reaktorowej) (all)

Warsaw, Przeriad elektroniki, No 7, July 63, pp 372-83.

"Technological Problems of Nuclear Radiation Detectors
Used in Reactor Technique".

JANIKOWSKI, Andrzej

POLAND

DABEK, Waclaw; JABLONSKA, Jadwiga; JANIKOWSKI, Andrzej; TOPA,
Jerzy

Department of Reactor Engineering, Nuclear Research
Institute (Instytut Badan Jadrowych Zaklad Inzynierii
Reaktorowej) (all)

Warsaw, Przeglad elektroniki, No 7, July 63, pp 388-89.

"Neutron Sensitive Ionization Chamber AKJ-150/0.8 Type".

4

JANIKOWSKI, Andrzej

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510007-2"

POLAND

DABEK, Waclaw; JABLONSKA, Jadwiga; JANIKOWSKI, Andrzej; TOPA,
Jerzy

Department of Reactor Engineering, Nuclear Research
Institute (Instytut Badan Jadrowych Zaklad Inzynierii
Reaktorowej) (all)

Warsaw, Przeglad elektroniki, No 7, July 63, pp 390-94.

"Compensated Neutron Sensitive Ionization Chamber RAKJ-5
Type".

4

JANIKOWSKI, Andrzej

JANIKOWSKI, Andrzej

POLAND

DABEK, Wacław; JABLONSKA, Jadwiga; JANIKOWSKI, Andrzej; TOPA, Jerzy

Department of Reactor Engineering, Nuclear Research Institute (Instytut Badan Jadrowych Zaklad Inzynierii Reaktorowej) (all)

Warsaw, Przeгляд elektroniki, No 7, July 63, pp 403-08.

"Ionization Chambers for Activation Method Neutron Flux Distribution Measurements".

4

JANIKOWSKI, Andrzej

POLAND

DABEK, Wacław; JABLONSKA, Jadwiga; JANIKOWSKI, Andrzej; SZCZECHLA, Bronislaw; TOPA, Jerzy

Department of Reactor Engineering, Nuclear Research Institute (Instytut Badan Jadrowych Zaklad Inzynierii Reaktorowej) (all)

Warsaw, Przeгляд elektroniki, No 7, July 63, pp 409-13.

"Installed γ -radiation Monitor with DC Pressure Ionization Chamber, KPDG-1/10 Type".

5

ACC NR: AP7002754

SOURCE CODE: FO/001,6/66/011/005/0319/0359

AUTHOR: Jablonska, Jadwiga--Yablonska, Ya.; Janikowski, Andrzej--Yanikowski, A.;
Topa, Jerzy--Topa, Yu.

ORG: Department of Reactor Physics, Institute of Nuclear Research, Swierk

TITLE: Progress in reactor detectors design and construction carried out in the years
1963-1965 [This paper was presented at the Reactor Physics and Engineering Conference
held in Budapest from 15 to 20 November 1965.]

SOURCE: Nukleonika, v. 11, no. 5, 1966, 349-358

TOPIC TAGS: ceramic to metal seal, ionization chamber, radiation detector/RWKJ-8
ionization chamber, AKJ-4 boron coated chamber, AKJ-3 fission chamber, RJ-300 fission
chamber, 9R-8 small size chamber, RR-100 start up chamber, RM-70 neutron beam
monitoring chamber, ThR-8 fission chamber, ThR-20 fission chamber, ThR-60 fission
chamber

ABSTRACT: A significant progress in technology and construction of various reactor
detector types was performed in comparison to the status described in Prague in the
year 1963. The main advances are: new isolating materials, particularly ceramic-
to-metal seals and high alumina ceramic elements, hydrogen filling for boron chambers
and new chamber assembling methods. The new detectors designed are the following:
neutron sensitive gamma compensated ionization chamber RWKJ-8 mounted in the rigid
extension PK-58; uncompensated: boron coated chambers AKJ-4 and high sensitive AKJ-3
(suitable for reactor noise measurements) and uranium coated RJ-300; fission chambers:
small size chamber 9R-8, start-up chamber RR-100, neutron beam monitoring chamber
RM-70 and threshold thorium coated fission chambers ThR-8, ThR-20, and ThR-60. The
construction of the detectors is shown and the technical data are given. Finally
the future work is briefly mentioned. Orig. art. has: 11 figures and 2 tables.
[Orig. art. in Eng.] [NA]

SUB CODE: 18 / SUBM DATE: 15Sep65 / ORIG REF: 002

Card 1/1

0925 1628

JANIKOWSKI, Pawel

Fourth report and election meeting of the Committee of Power
Management of the Central Technical Organization. Gosp paliw
12 no.10:349-351 0 '64.

JANKOWICZ, Eleonora; BOROWSKA-LEHMAN, Jolanta; JANIKOWSKI, Tadeusz

Sarcomatosis of spinal meninges. Neurol., neurochir. psychiat.
Pol. 15 no.1:171-173 Ja-F'65.

1. Z Kliniki Chorob Nerwowych Akademii Medycznej w Gdansku
(Kierownik: prof. dr. Z. Majewska) i z Zakladu Anatomii Pato-
logicznej Akademii Medycznej w Gdansku (Kierownik: prof. dr.
W. Czarnocki).

JANIKOWSKI, Tadeusz

Role of studies on the predominance of 1 extremity in determining the dominant hemisphere. Neurologia etc. polska 11 no.1:43-46 Ja-F '61.

1. Z Kliniki Chorob Nerwowych AM w Gdansk Kierownik: prof. dr Z Majewska.

(LATERALITY)

MAJEWSKA, Zofia; LEHMANOWA, Jolanta; PIEKOWSKI, Jan; JANIKOWSKI, Tadeusz;
WISNIEWSKI, Henryk

Brain neoplasms in older and newborn infants. Neurol. neurochir. psy-
chiat. pol. 12 no.1:7-14 '62.

1. Z Oddziału Neurologii Dziecięcej im. Janusza Korcusa Kierownik:
prof. dr Z. Majewska Z Zakładu Anatomii Patologicznej AM w Gdansk.
Kierownik: prof. dr W. Czarnocki Z Zakładu Neuropatologii PAN Kierownik
prof. dr A. Kunicki.

(BRAIN NEOPLASMS in inf & child)
(INFANT NEWBORN dis)

BANACH, Stanislaw; JANIKOWSKI, Tadeusz

A case of Ramsay-Hunt myoclonic cerebellar syndrome in an infant.
Neurol neurochir psych 12 no.3:433-436 My-Je '62.

1. Oddzial Neurologii Dzieciecej im. Janusza Korczaka, Klinika Chorob Nerwowych, Akademia Medyczna, Gdansk. (Kierownik Kliniki: prof. dr Z. Majewska).

✕

JANIKOWSKI, Tadeusz

Influence of music on the rehabilitation of infants with choreoathetosis. Neurol neurochir psych 12 no.6:855-860 N-D '62.

1. Klinika Chorob Nerwowych, Akademia Medyczna, Gdansk.
Kierownik: prof. dr Z.Majewska.

*

MAJEWSKA, Zofia; JANIKOWSKI, Tadeusz; PIELOWSKI, Jan

Thrombosis of the internal carotid artery in a small child. *Pediat.*
pol. 37 no.4:415-418 Ap '62.

1. Z Oddziału Neurologii Dziecięcej im. Janusza Korczaka Kliniki
Neurologicznej AM w Gdansk Kierownik: prof. dr med. Z. Majewska.

(CEREBRAL EMBOLISM AND THROMBOSIS in inf & child)
(CAROTID ARTERIES dis)

HEJKA, Zuzanna; JANIKOWSKI, Tadeusz; KRYWKO, Alina; TYLICKA, Teresa;
WDOWIAK, Wanda; WOZNICZKO, Jerzy.

Incidence of neurologic symptoms in the newborns in relation
to causative factors. Ginek. Pol. 36 no. 12:1379-1386 D ' 65

1. Z Kliniki Neurologicznej AM w Gdansk (Kierownik: prof. dr.
med. Z. Majewska); z I Kliniki Poloznictwa i Chorob Kobietych
AM w Edansku (Kierownik: prof. dr. med. S. Metler) i z II
Kliniki Poloznictwa i Chorob Kobietych AM w Gdansk (Kierownik:
prof. dr. med. W. Gromadzki).

JANIKOWSKI, Zbigniew

Work testing in the apparatus production process. Pt. 2.
Przem chem 42 no.10:536-540 0'63.

1. Branżowy Ośrodek Normowania i Organizacji, Zjednoczenie
Przemysłu Nieorganicznego, Kraków.

EXCERPTA MEDICA Sec. 6 Vol. 11/7 July 57
JANEWSKI K.

4020. JANINSKI K., RASZEHA B. and SMARSZ C. *Wartość kliniczna oznaczania czasu oczyszczania krwi z paraaminohipuranu sodu i tiosiarczanu sodu.
Clinical value of determination of sodium *para*-aminohippurate and sodium thiosulphate
MED. WEWNET. 1956, 26/8 (1197-1199)

Sodium-*p*-aminohippurate and sodium thiosulphate clearance time were determined in healthy persons, in patients with hypertension and in various nephropathies, 105 in total. The method proved to be simpler, more accurate and clinically more useful than other clearance tests.

JANINSKI, T.; GRABOWSKA, I.

Quantitative determination of certain prescription mixtures according to measurement of physico-chemical characteristics. Acta Poloniae pharm. 12 no.4:233-235 1955.

1. Z Zakladu Chemii Farmaceutycznej A.M. w Gdanskun.
(CHEMICAL ANALYSIS,
determ. of mixtures according to measurement of physico-chem. properties)

Janio, K. ; Gorzka, Z. ; Justat, A.

The Fe-Cr catalyst in a fluidized bed for the conversion of carbon monoxide with water vapor. Pt. 2. p. 93.

PRZEMYSŁ CHEMICZNY. (Ministerstwo Przemysłu Chemicznego i Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego) Warszawa, Poland. Vol. 38, no. 2, February, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, August, 1959.

Uncl.

JANIO, Konrad; JUSTAT, Antoni

Problems of fluidized catalysis of the conversion reaction of carbon monoxide with water vapor. *Chemia stosow* 5 no.2:261-279 '61.

1. Katedra Technologii Chemicznej Nieorganicznej, Politechnika Lodzka.

JUSTAT, Antoni; GORZKA, Zbigniew; JANIO, Konrad

Studies on the oxidation of glucose with nitric acid to oxalic acid. *Chemia stosow* 7 no.3:409-414 '63.

1. Katedra Technologii Chemicznej Nieorganicznej, Politechnika, Lodz.

EXCERPTA MEDICA Sec 2 Vol 12/6 Physiology June 59

2215. ORIGIN OF FATTY ACIDS IN REGENERATING RAT LIVERS - Die Herkunft
der Fettsäuren in der regenerierenden Rattenleber - Janion C. and Szen-
berg A. - BULL. ACAD. POL. SCI. CL. 2 1958, 6/2 (63-65) Illus. 2
The fatty infiltration seen in early stages of rat liver regeneration is partly due to
transfer of reserve fat from fatty tissues to liver. Lajtha - Oxford

JANION, Celina

Research on regeneration in the Cytochemistry Laboratory
of the Biochemistry and Biophysics Institute of the Polish
Academy of Sciences. Zesz probl nauki pol no.18:87-90
pt.2 '59.

1. Kierownik Pracowni Cytochemii Instytutu Biochemii i
Biofizyki, Polska Akademia Nauk, Warszawa: doc. dr A. Szenberg.

*

JANION, Celina; SHUGAR, D.

Absorption spectra, structure and behaviour towards some enzymes of dihydropyrimidines and dihydro-oligonucleotides. Acta biochim. polon. 7 no.2/3:309-328 '60.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw.

(PYRIMIDINES chem)
(NUCLEOSIDES AND NUCLEOTIDES)
(ULTRAVIOLET RAYS)

JANION, Celina; SHUGAR, D.

Thymidine phosphorylase and other enzymes in regenerating rat liver.
Acta biochim. polon. 8 no.3:327-344 '61.

1. Institute of Biochemistry & Biophysics, Polish Academy of Sciences,
Warszawa

(PHOSPHORYLASES metab)

(LIVER metab)

JANION, Celina; SHUGAR, D.

Thymidine phosphorylase and other enzymes in regenerating rat liver.
Acta biochim 8 no.3:337-344 '61.

1. Institute of Biochemistry & Biophysics, Polish Academy of Sciences,
Warsaw.

(ENZYMES)

JANION, Celina; SHUGAR, D.

Influence of γ -irradiation on liver regeneration in normal and starved rats. Acta biochim. polon. 9 no.3:271-280 '62.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warszawa.

(RADIATION EFFECTS - experimental) (REGENERATION - experimental)
(STARVATION - experimental) (LIVER - radiation effects)

JANION, Celina; SHUGAR, D.

Mutagenicity of hydroxylamine: reaction with analogues of cytosine, 5(6)-substituted cytosines and some 2-keto-4-ethoxypyrimidines. Acta biochim. Pol. 12 no.4:337-355 '65.

1. Department of Biophysics, Institute of Biochemistry and Biophysics, Polish Academy of Sciences; and Department of Biochemistry, State Institute of Hygiene, Warszawa.

JANION, S.M.

Quantitative dynamics in fleas (Aphaniptera) infesting mice of the
Puszcza Kampinowska Forest. Bul Ac Pol biol 8 no.5:213-218 '60.

(EEAI 9:11)

1. Institute of Ecology, Polish Academy of Sciences. Presented by
K.Petrusewicz.

(FLEAS) (POLAND--MICE)

(POLAND--APHANIPTERA)

JANION, S.M.

Flea infestation of three species of mice, *Clethrionomys glareolus*,
Apodemus agrarius and *Apodemus flavicollis* during particular weeks
of their occurrence on the experimental area. *Bul Ac Pol biol* 8
no.8:363-367 '60. (EEAI 10:3)

1. Institute of Ecology, Polish Academy of Sciences. Presented by
K.Petrusewicz,

(FLEAS)

(APODEMUS AGRARIUS)

(APODEMUS FLOAVICOLLIS)

(CLETHRIONOMYS GLAVEOLUS)

JANION, S.M.

Studies on the differentiation of a house mice population
according to the occurrence of fleas (Aphaniptera).
Bul Ac Pol biol 9 no.12:501-506 '61.

1. Institute of Ecology, Polish Academy of Sciences, Warsaw.
Presented by K. Petruszewicz.

*

POLAND

JANION, S. N., Ecology Research Office (Zaklad Ekologii),
PAN [Polska Akademia Nauk, Polish Academy of Sciences].

"Flea Infestation of Three Rodent Species: *Apodemus agrarius*, *Apodemus flavicollis*, and *Clethrionomys glareolus* at the Period of *Apodemus agrarius* Mass Occurrence."

Warsaw. Bulletin de L'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 10, No 9, 62, pp 361-366

Abstract: [English article, author's Russian summary] Low infestation of the species *Apodemus agrarius* at the time of their mass occurrence depended on the type of settlement of these rodents. This type of host's settlement appeared as the result of mass occurrence of *Apodemus agrarius*, did not favor abundance of ectoparasites, and was connected with the small differentiation of the host population. The small variability of the latter caused the high degree of domination of one of the occurring flea species (*Ctenophthalmus agyrtus*). Four East and four West bloc references.

1/1

JANION, S.M.

"The integration of biological systems and their autoregulations."
by I.I. Shmalgauzen. Reviewed by S.M. Janipn. Kosmos Biologia
11 no.2:196-200 '62

JANION, S.M.

"Terms and concepts necessary for quantitative research on populations of ectoparasites and parasites infesting nests" by W.N. Beklemiszew. Reviewed by S.M.Janion. Kosmos biol 11 no.3: 335-338 '62.

JAMION, S.M.

Flea infestation of three rodent species: *Apodemus agrarius*, *Apodemus flavicollis* and *Clethrionomys glareolus* at the period of *Apodemus agrarius* mass occurrence. *Bul Ac Pol biol* 10 no.9:361-366 '62.

1. Institute of Ecology, Polish Academy of Sciences, Warsaw.
Presented by K. Petruszewicz.

JANIREK, V.

Kudra, J. Devices for resistance welding on welding presses. p. 913.
STROJIRENSTVI, Prague, Vol. 4, no. 12, Dec. 1954.

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

JANIREK, V.; KUDRA, J.; REPTENBERGER, J.

"Fastening materials in working with sheet metal; manual fastening; screws." p.135

TECHNICKA PRACA. (Rada vedeckych technických spoločností pri Slovenskej akadémii vied) Bratislava, Czechoslovakia, Vol. 7, no. 3, 1955.

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

Uncl.

M. INSK, V.

Kudra, J. Hand spring and wedge grip; fixing elements for sheet metal. p. 233.
Slovak technical terminology. p. 236.
Correct and incorrect technical terms. p. 237.
TECHNIKA PRACA, Bratislava, Vol. 7, no. 5, June 1955.

SO: Monthly List of East European Accessions, (SOML), IC, Vol. 4, no. 10, Oct. 1955,
Encl.

JANIREK, V.

Hand-lever (elbow) clamp; clamping attachments for sheet metalworking,
p. 281, TEHNIKA PRACA (Statne nakladatelstvo technidkej literatury)
Baratislava, Vol. 7, No. 6, June 1955

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

JANIREK, V.: KUDRA. J.: HETTENBERGER. J.

Fixing manual, with lever tools, the materials for sheet metalworking. p. 331

TECHNICKA PRACA. Czechoslovakia, Vol. 7, No. 7, July 1955

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

JANIREK, V.; KUDRA. J.; HETTENBERGER, J.;

Fastening materials in working with sheet metal; manual fastening; lever tools.
p. 379

TECHNICKA PRACA. Czechoslovakia, Vol. 7, No. 8, Aug. 1955

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

JANIREK, V.; KUDRA, J.; HETTENBERGER, J.

Fastening materials in working with sheet metal; manual fastening: level tools.
p. 473

TECHNICKA PRACA. Bratislava, Czechoslovakia, Vol. 7, No. 10, Oct. 1955

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

JANIREK, Vladislav; KAMENIK, Valentin

Spiral knives for tannery machines. Kozarstvi 13 no. 12-44
F '63.

1. Vyzkumny ustav kozedelny, Gottwaldov, konstrukce Otrokovice
(for Janirek). 2. Naradi, n.p., Praha, zavod Zborovice (for
Kamenik).

JANIS F

SECRET

COUNTRY : CZECHOSLOVAKIA
CATEGORY : Chemical Technology, Chemical Products and
Their Applications.
ABST. JOUR. : AKhim., No. 23 1959, No. 84023
AUTHOR : Janis, F.; Kadlec, A.
INST. : -
TITLE : Determination of Thermal Expansion of Plastics
ORIG. PUB. : Chem. průmysl, 1958, 2, No 10, 552-554
ABSTRACT : Specific volumes and coefficients of thermal expansion of the melts were determined (while cooling gradually) of polycaprolactam, of a copolymer of caprolactam and of ϵ -methylcaprolactam (90 : 10) of polyethylene and of polystyrol in the temperature range of 20 - 250°. Thus obtained specific volume values were compared with the results obtained from the pichnometric measurements. It was established that at temperatures of 20 to 30° the difference in density measurements by the two methods comprised no more than 0.1%. -- L. Sedov.
CARD: 1/1

JANIS, Josef, inz.

Application of mathematical methods in considering the distribution of breweries in Slovakia. Prom potravin 15 no.5:208-213 My '64.

1. Ministry of Food Industry, Prague.

JANIS, Josef, inz.

Use of the mathematical method in location of breweries in
Slovakia. Prum potravin 15 no.4:155-159 Ap '64.

1. Ministry of Food Industry, Prague.

NECAS, O.; JANISCH, R.; JAHODA, J.; GABRIEL, M.

Division of the nuclei of naked yeast protoplasts. Folia biol. 7
no.3:202-205 '61.

1. Department of Biology, Medical Faculty, Purkyne University,
Brno.

(CELL NUCLEUS) (YEASTS)

JANISKI J.

COUNTRY : Poland 8-20
CATEGORY :
ABS. JOUR. : RZKhim., No. 16 1959, No. 58821
AUTHOR : Janiski, J., Guda, Z., and Gogolewski, I.
TITLE : The Determination of Vitamin E in Some Polish Cereals and Seeds
ORIG. PUB. : Przem Spovywczy, 12, No 10-12, 415-417 (1958)
ABSTRACT : The authors have applied the Furter-Meyer method (M. Furter and R. E. Meyer, Analyst, 74, 62 (1949)) to the determination of vitamin E in grains and in seeds in the presence of carotenes (accuracy $\pm 5\%$). The following quantities of vitamin E (in mg %) were found in the oils: wheat germ 321-350, rye germ 341-402, white lupine germ 163-202, soybean germ 133-147; in tomato seeds 234-305 and in black and red currants 266-316. The authors have confirmed the possibility of obtaining vitamin E

CARD: 1/2

JANISTIN, Juraj, inz.

Prefabrication and assembling of heavy elements in the Hydrostav
Bratislava National Enterprise. Poz stavby 12 no. 1:7-13 '64.

1. Hydrostav Bratislava, n.p.

JANISZEWSKA, Janina (Wroclaw)

Actinomyxidia. II. New systematization, sexual cycle, and description of new genera and species. Wiadomosci parazyt., Warsz. 2 no.5: Suppl:251-252. 1956..

1. Muzeum Zoologiczne UBB.
(PROTOZOA,
Actinomyxidia (Pol))

YANISHEVSKAYA, I. [Janiszewska, I.]

Social insurance in Poland. Okhr.truda i sots.strakh. 5 no.11:
45-46 N '62. (MIRA 15:12)

1. Sekretar' Tsentral'nogo soveta professional'nykh soyuzov
Pol'shi.

(Poland--Insurance, Social)

YANISHEVSKAYA, I. [Janiszewska, I.]

Life demands this from us. Sov.profsoiuzy 16 no.6:58-59
Mr. '60. (MIRA 13:3)

1. Sekretar' Tsentral'nogo soveta profsoyuzov Pol'shi.
(Poland--Trade unions)

JANISZEWSKA, Janina

Studies on larval nematodes parasitic in Tubificidae; a hypothesis on the life-cycle of Rhabdochonidae. Acta parasit Pol 8 no.21/32:419-425 '60.

1. Zoological Museum, Zoological Institute, University of Wroclaw.
Head of Museum: Janiszewska, Janina, prof., dr.

JANISZEWSKA, Janina

Current status of studies on parasites of invertebrate animals
in Poland. Wiad. parazyt. 9 no.4:307-315 '63.

1. Zaklad Parazytologii Ogolnej UW, Wroclaw.
(PARASITES) (INVERTEBRATES)

JANISZEWSKA, MARIA

KRUKOWSKA, Helena; PASZKOWSKA, Anna; JANISZEWSKA, Maria; HARASIAWICZ,
Stefan; SZELAGOWSKA, Henryka, Otwock

Analysis of home environment of children treated at the Marchlewski
sanatorium in Otwock in 1952/1953. Gruzlica 22 no.10:732-744 Oct 54.

1. Z Oddzialu Pediatricznego Instytutu Gruzlicy, Kierownik: prof.
dr. Fr. Groer

(TUBERCULOSIS, in infant and child
home environmental factors in etiol.)

(ENVIRONMENT
in etiol. of tuberc. of child.)

JANISZEWSKA, Maria

Effect of streptomycin therapy of tuberculosis in adults and children on blood and skin allergometry. *Gruslica* 23 no.7:475-483 July '55.

1. Z Oddziału Pediatrycznego Instytutu Gruslicy w Sanatorium im J. Marchlewskiego w Otwocku. Kierownik: prof.dr Fr. Groer. Otwock Sanatorium im. Marchlewskiego

(TUBERCULIN,

allergy, eff. of streptomycin)

(STREPTOMYCIN, effects,

on tuberculin allergy)

JANISZEWSKA, Maria (Otwock, Sanatorium im. Marchlewskiego.)

10th Anniversary of the Children's Ward of the J. Marchlewskiego
Tuberculosis Institute at Otwock. Gruzlica 25 no.5:357-360 May 57.
(TUBERCULOSIS, PULMONARY, in inf. & child
hosn. statist. (Pol))

JANISZEWSKA, Maria

Significance of bronchoscopic interventions in the treatment of tuberculosis in children. Gruzlica 29 no.10:871-878 0 '61.

1. Z Oddzialu Pediatrycznego Instytutu Gruzlicy w Sanatorium im. J. Marchiewskiego Kierownik: prof. dr med. E.Groer Dyrektor: I.G.: prof. dr med. W.Jaroszewicz.
(TUBERCULOSIS PULMONARY in inf & child)
(BRONCHOSCOPY in inf & child)

KUBICZ, Stanislaw; PORADOWSKA, Wanda; JANISZEWSKA, Maria

Cases of congenital defects of pulmonary vessels. Pol. przegl.
radiol 27 no.5:403-416 S-O '63.

1. Panstwowe Sanatorium P-Gruzlicze dla Dzieci im. J.
Marchlewskiego w Otwocku. Katedra Radiologii Instytutu Matki
i Dziecka (Kierownik: doc. S. Kubicz) i Oddz. Chirurgiczny
Instytutu Matki i Dziecka (Kierownik: prof. W. Poradowska).

KRUKOWSKA, Helena; JANISZEWSKA, Maria; STEC-KRYSZKIEWICZ, Krystyna;
PEKSYK, Stanisław

Bronchial changes in lymph node-pulmonary tuberculosis requiring
several bronchoscopies. Gruzlica 33 no.8:643-647 Ag ' 65.

1. Z Zespołu Problemowego Instytutu Gruźlicy w Otwocku (Kierownik:
doc. dr. H. Krukowska) i z Sanatorium im. J. Marchlewskiego w
Otwocku (Dyrektor: dr. K. Stec-Kryszkiewicz).

JANISZEWSKA, Wl., mgr

Survey of technical moving pictures of the textile industry.
Przegl techn 84 no. 32: 5,9 11 Ag '63.

JANISZEWSKA, Wl., mgr.

Still great need for films on industrial safety. Przegl techn
84 no.38:7 22 S'63

MAJEWSKI, F.; MAJEWSKA, W.; JANISZEWSKA, Z.

Estimation of the fertilizing value of magnesium thermophostate.
Pt.1. Rocznik nauk rolniczych 81 no.3:483-510 '60. (EEAI 9:10)

1. Zaklad Uprawy i Nawozenia Rolnictwa Szkoly Glownej Gospodarstwa
Wiejskiego.
(Poland--Fertilizers and manures)
(Magnesium pyrophosphates)

MAJEWSKI, F.; MAJEWSKA, W.; JANISZEWSKA, Z.

Estimation of the fertilizing value of magnesium thermophosphate.
Pt.2. Rocznik nauki rolniczej 82 no.1:119-144 '60. (EBAI 10:7)

1. Zakład Uprawy i Nawożenia Rolnictwa Szkół Głównego Gospodarstwa
Wiejskiego.
(Poland—Fertilizers and manures) (Magnesium phosphates)
(Phosphorus oxides)

A JANISZEWSKA-BROZEK, S.

118

[Carcinogenic substances. S. Janiszewska-Brożek.
Przemysł Chem. 5(28), 370-4(1949).—A review. F. G.]

JANISZEWSKA-BROZEK, S.

Structure of α -substituted α,γ -pyranones. Z. Maciere-wicz and S. Janiszewska-Brozek (Univ. Warsaw, Poland). *Roczniki Chem.* 24, 167-76 (1950) (English summary); cf. preceding abstr. The fact that in the preceding work 6-styryl-3-methoxy-2H-pyran-2-one was obtained both by the cyclization of PhCH:CHCCl:CHC(OMe):CHCO₂H and by the methylation of 6-styryl-2H-pyran-2,4(3H)-dione indicates that the enolization of this system takes place toward the β C atom. Since there was some doubt as to the formation of 6-(*p*-methoxystyryl)-4H-pyran-4-one in the methylation of yanonolactone this work was undertaken to show the influence of a substituent in the β -position of the pyranone ring on the direction of enolization. BrCH₂CO₂Et (100 g.) with PCl₅ gave 27 g. of a mixt. of *cis*- and *trans*-PhCCl:CHCO₂H (I), m. 141-2° (from 50% alc.). I (18.2 g.), 18 cc. dry CHCl₃, and 75 cc. SOCl₂ refluxed 2 hrs. and the CHCl₃ and SOCl₂ distd. off gave crude PhCCl:CHCOCl, to which was added with cooling an ether suspension of the Na salt of CH₂(CO₂Et)₂ (from 16 g. ester and 2.3 g. Na), and the soln. let stand 24 hrs. at room temp., boiled 1 hr., acidified with dil. HCl, washed with water, and treated with (AcO)₂Cu; the Cu salt, pale green needles from alc., m. 167-8°, gave upon decompn. PhCCl:CHCOCH(CO₂Et)₂ (II), which was subsequently cyclized without further purification. The ether soln. from which the Cu salt had been removed gave colorless needles, m. 97° (from alc.), of PhCCl:CHC(OCOCH:CClPh):C(CO₂Et)₂ (III), hydrolyzed with alc. KOH to I and II. Both III and II were converted to 3-carbethoxy-5-phenyl-2H-pyran-2,4-(3H)-dione with concd. H₂SO₄. III (or II) (2 g.) added in portions to 20 cc. H₂SO₄ (d. 1.84) cooled with ice, the mixt. poured after 30 sec. into 200 cc. ice water, and the pptd. IV filtered gave large colorless needles from alc., m. 134-5°. The filtrate on standing yielded another ppt., small colorless needles from petr. ether, m. 64°, identified as PhCOCH:COCH(CO₂Et)₂ (V) and converted to IV with concd. H₂SO₄. If V was allowed to ppt. before IV was filtered off, the mixt. could be sepd. by dissolving it in 20% aq. NaOH and satg. with CO₂, which pptd. V. IV (1 g.)

added to 6 cc. concd. H₂SO₄ and 0.6 cc. water, heated 1 min. at 148-60°, then cooled rapidly, poured on ice, the ppt. dissolved in 2% NaOH, some insol. material filtered off, and dil. H₂SO₄ added pptd. 6-phenyl-2H-pyran-2,4(3H)-dione (VI), m. 246-6° (decompn.; from alc.). VI and C₆H₅N₃ in ether after 48 hrs. gave the Me ether (VII) of VI; lustrous plates from alc., m. 129°. VI and VII showed max. absorption in the ultraviolet suggesting the configuration of α,β -unsatd. ketones. Since this is not in accordance with the usual enolization of α,γ -pyranones the structure of VI and VII is under investigation. Janina R. Szreter

15) *do* JANISZEWSKA-BROZEK, S.

*All 18 papers in chemistry
Journal of Chemistry*

Structure of α -substituted α -pyrones. H. Z. Macierewicz
and S. Janiszewska-Brozek (*Rozm. chem.*, 1981, 28, 132-138).
—Treatment of 6-phenylpyrone [2: 4-diketo-6-phenyldihydro-
pyran] and 4-hydroxycoumarin with MeOH or EtOH containing
10% HCl gives others, identical with those obtained by previously
published methods. S. M. Ryticka.

JANISZCOWSKA-DRABAREK, S.

2

POL.

3165 547.812.3 : 047.371 : 041.623

Janiszowska-Drabarek S. Tautomerism of 2,4-Pyrone Derivatives.
"Tautomeria pochodzących 2,4-pironów". Rozzniki Chemii (PAN).
No. 4, 1953, pp. 439-467.

It has been found that two isomeric methyl ethers of derivatives of 2,4-pyrone (4-hydroxycoumarin and 6-methyl-2,4-pyridone) are formed not only by using diazomethane and methyl iodide as methylation agents. The two isomeric ethers, having the structure of α -pyrone and γ -pyrone, give complex salts with chloroplatinic acid, of the same chemical constitution but with different melting points.

MS
JAN