ZLOTNIKOVA, L.G.

Method for the comparative analysis of the operation of petroleum refineries. Izv. vys. ucheb. zav.; neft' i gaz 8 no.2:107-113 '65. (MIRA 18:3)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika I.M. Gubkina.

BORISOV, Pavel Aref'yevich, doktor ekonom.nauk; ZLOTNIKOVA, Lyudmila Grigor'yevna; KALMYK, V.A., red.; PONOMAREVA, A.A., tekhn.red.

[Labor productivity in the petroleum refining industry of the U.S.S.R.] Proizvoditel'nost' truda v neftepererabatyvaiushchei promyshlennosti SSSR. Moskva, Gosplanizdat, 1959. 118 p. (MIRA 12:7)

(Petroleum--Refining) (Labor productivity)

ZLOTNIKOVA, L.G.

Methods for determining the labor productivity in the petroleum refining industry. Khim.i tekh.topl.i masel 5 no.12:36-41 D '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti gazov i polucheniyu iskusstvennogo zhidkogo topliva.
(Petroleum industry—Labor productivity)

ZLOTNIKOVA, R.A.

Congenital cyst of the lung in a child with tuberculosis. Probl. tub. no.1:116-117 '62. (MIRA 15:8)

1. Iz Detskoy tuberkuleznoy bol'nitsy No.9 Baumanskogo rayona Moskvy (glavnyy vrach Ye.S. Lebedeva).
(LUNGS--DISEASES) (TUBERCULOSIS) (CYSTS)

PRAVEDNIKOV, N.K., inzh.; KUCHAPINA, M.I., inzh.; ZLOTNIKOVA, R.B., inzh.

Calculating the degree of water encroachment of multi-pay oil pools. Nauch. zap. Ukrniiproekta no.9:91-96 '62. (MIRA 16:7)
(Oil field flooding)

ZLOTNIKOVA, S. V.

USSR/Medicine - Penicillin, Therapy Aug 48
Medicine - Leukemia, Experimental

"A Case of Acute Myeloblastic Leukosis Cured by the Administration of Penicillin," V. Ye. Fradkina, S. V. Zlotnikova, Therapeutics Clinic, Cen Inst for Advancement of Doctors, and Lab, Clinical ord of Lenin Hosp imeni Botkin, 64 pp

"Klin Med" Vol XXVI, No 8

Previously, patients with acute leukosis were hopeless. Presents detailed account of treatment given to patient which resulted in considerable improvement. Patient is still under ovservation.

PA 31/49T8

Zlotnikova, S.V.

RACHMAN, V.I.; ZLOTNIKOVA, S.V.

Clinical significance of determination of antianemic factors in gastric secretion. Klin.med., Moskva no.4:55-58 Ap '50.(CIML 19:3)

1. Of the First Therapeutic Clinic TsIU and the Laboratory (Head -- Docent Ye.A.Kost) of the Clinical Order of Lenin Hospital Imeni S.P.Botkin.

DOBROTINA, A.F. (Gor'kiy, ul. Piskunova, d.30, kv.1); ZLOTNIKOVA, Z.B. (Gor'kiy, ul. Minina, d.2, kv.30)

Generalized sarcomatosis (lymphosarcomatosis) in pregnancy with unusual bilateral involvement of the breasts. Vop.onk. 5 no.5: 613-616 '59. (MIRA 12:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. S.S. Dobrotin) i kafedry patologicheskoy anatomii (zav. - prof. M.L. Biryukov) Gor'kovskogo meditsinskogo instituta im. S.M. Kirova.

(PREGNANCY, in various dis.
lymphosarcoma, with massive enlargement of breasts (Rus))
(LYMPHOSARCOMA, in pregn.
with massive enlargement of breasts (Rus))
(BREASTS, dis.
massive enlargement in lymphosarcoma in pregn. (Rus))

ZLOTNIKOVA, Z. B.

ZLOTNIKOVA, Z. B. -- "Materials on Changes in Polymorphocellular Vessels Effected by the Glyoblast and Astrocyte of the Brain." Gor'kiy State Med Inst imeni S. M. Kirov, Gor'kiy, 1956. (Dissertations for the Degree of Candidate in Medical Sciences.)

KNIZHNAYA LETOPIS
October 1956, No. 41

ZŁOTOWSKI, I.
W. ŚWIĘTOSŁAWSKI, ROCZ. CHEM., 1934, 14, 1474-1478

USSR / General Problems of Pathology. Tumors. U-7
Comparative Oncology. Tumors in Humans.

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70927.

Author : Zlotnikova Z. B.
Inst : Gorkiy Medical Institute.
Title : Data on Vasculitis and Vascular Disturbance in Cases of Polymorphonuclear Glioblasoma and Astrocytes of the Brain.

Orig Pub: Uch. zap. Gor'kovsk. med. in-ta. 1957, vyp. I. 83-94.

Abstract: A study was made of the microscopic picture of vascular changes in 27 cases of polymorphonuclear glioblastoma and 13 cases of astrocytis. The media was stained according to Van Huson and Mallory by hematoxylin-eosin (Holtser) on fiberous glia, according to Foote on argirophilic fibers, and

Card 1/4

USSR / General Problems of Pathology. Tumors. U-7
Comparative Oncology. Tumors in Humans.

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70927.

Abstract: according to Cahill for a determination of astrocytes. The most pronounced vascular changes (vasculitis and circulatory disturbances) are characteristic of the polymorphonuclear glioblastoma of the large hemispheres. The degree of vascular changes in various zones of the tumor varies. In the center of the tumor, in the necrotic zone, old sclerotic changes and fresh thromboses were observed in the vessels, as well as hemorrhages, vessels showing processes of an allergic character and vascular convolutions with a multiplication of endothillal cells in the shape of so-called vascular plexus, a growth of collagenic and argyrophilic fibers in the vascular wall. In the zone of living infiltration of the

Card 2/4

USSR / General Problems of Pathology. Tumors. U-7
Comparative Oncology. Tumors in Humans.

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70927.

Abstract: polymorphonuclear glioblastoma, old and fresh vascular changes were observed; aggravated on the background of chronic processes. The most sharply outlined were the productive (hyperplasia of endothelial cells, infiltrations from the plasmatic and histiocytic cells) and the productive-exudation inflammatory processes with manifestations of lymphoid and leukocytic infiltration. At the same time (as well as in the necrotic zone) allergic changes, vascular neoplasm and a development of perivascular connective tissues in the vascular walls were observed. In the polymorphonuclear glioblastoma of the Varolius bridge, the pathological process was less clearly expressed in the vessels, than in the polymorphonuclear

Card 3/4

ZLOTNIKOVA, Z.B.

Dependence of the clinical course of the disease on the localization of the tumor in polymorphocellular glioblastomas and astrocytomas of the brain. Vop.diag.i patomorf.nerv.zab. no.2:28-31 '59.
(MIRA 15:8)

(BRAIN--TUMORS)

ZLOTNIKOVA, Z.B.

Vascular type of disease course in some neuroectodermal tumors.
Vop.diag.i patomorf.nerv.zab. no.2:32-37 '59. (MIRA 15:8)
(BRAIN--TUMORS)

BIRYUKOV, M.L., prof.; ZLOTNIKOVA, Z.B., kand.med.nauk

Work of the Gorky Scientific Society of Pathologists in 1964. Arkh. pat. 27 no.11:84-87 '65.

(MIRA 18:12)

1. Predsedatel' Gor'kovskogo nauchnogo obshchestva patologoanatomov (for Biryukov). 2. Sekretar' Gor'kovskogo nauchnogo obshchestva patologoanatomov (for Zlotnikova).

Feb 53

"Principles of Three-Dimensional Television," S. Zlotnikov, Cand Tech Sci, and V. Dzhakoniya

"Radio," No 2, pp 40-42

Gives a general description of the conditions required for depth picture perception and the principles of ~~three~~ 3-dimensional television.

ZLOTNITSKIY, B.V.

Design of drills for annular drilling. Stan.i instr. 32 no.8: 34-36 Ag '61. (MIRA 14:8)
(Drilling and boring machinery)

ANOSOV, I.S.; BELOV, A.V.; ZLOTNITSKIY, S.V.; POPANDOPULO, A.N.

Cutting properties of high-alloyed tungsten-cobalt-vanadium high-speed steel. Stan.i instr. 33 no.8:33-35 Ag '62. (MIRA 15:8)

(Tool steel—Testing)

ZLOTNITSKIY, Boris Vladimirovich; SEMENENKO, P.A., red.; VASIL'YEV, Yu.A., red. izd-va; BOL'SHAKOV, V.A., tekhn. red.

[Sectional annular drill]Sostavnoe kol'tsevoe sverlo. Leningrad, 1962. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no.2) (MIRA 15:8)

(Twist drills)

S/121/62/000/008/002/002
D040/D113

AUTHORS: Amosov, I.S., Belov, A.V., Zlotnitskiy, B.V., and Popandopulo, A.N.

TITLE: The cutting properties of cobalt-vanadium high-tungsten high-speed steel

PERIODICAL: Stanki i instrument, no. 8, 1962, 33-35

TEXT: P18K4K8M (R18F4K8M) steel, which already existed in 1958, contains 1.25-1.40% C, 4.4-5.0% Cr, 15.5-17% W, 3.2-3.8% V, 7.5-8.5% Co and 1.2-1.5% Mo. The results are given of cutting tests conducted at the Nevskiy mashinostroitel'nyy zavod im. V.I.Lenina (Neva Machine-Building Plant im. V.I.Lenin), the Leningradskiy metallicheskiy zavod im. XXII s"yezda KPSS (Leningrad Metal Plant im. XXII s"yezd KPSS) and the Leningradskiy politekhnicheskiy institut im. M.I.Kalinina(Leningrad Polytechnic Institute im. M.I.Kalinin). Cutting tools made of R18F4K8M proved to be 2-6 times more durable than tools made of similar standard steels, and can be used for milling austenitic steel. The cutting speed range is 20-30 m/min, and the cutting properties depend to some extent

Card 1/2

S/121/62/000/008/002/002
D040/D113

The cutting properties of cobalt-vanadium .....

on the heat treatment procedure, recommendations for which are given. This steel is forgeable and weldable, but cannot be ground so easily as P 18 (R18) steel. Cutting blades and tips made of R18F4K8M can be attached to mills and shanks by electric welding with preheating in a $BaCl_2$ bath, quenching and multiple tempering. There are 3 figures and 6 tables.

Card 2/2

ZLOTNITSKIY, L.V.; LOTVINOV, M.D.; YURMANOV, B.N., kand. tekhn. nauk; IVANITSKIY, Yu.P., nauchn. red.

[Hoods equipped with a ventilation system for the convection drying of paper] Kolpaki s ventiliatsionnym oborudovaniem dlia konvektsionnoi sushki bumagi. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issl. po lesnoi, bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1963. 34 p. (MIRA 17:3)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut po proyektirovaniyu oborudovaniya dlya tsellyulozno-bumazhnoy promyshlennosti (for Zlotnitskiy, Lotvinov). 2. Leningradskiy inzhenerno-stroitel'nyy institut (for Yurmanov).

ZLOTNYK, I. L.

Collectivization in agriculture and medical attendance in villages. Kyiv. Medvydav, 1931
Mic 53-496)

Microfilm AC-0112

1. Agriculture, Cooperative-Ukraine

ZLOTNYK, I. L. ed.

Public health in the Donets Basin along the 2nd Five-Year Plan. Kharkiv, Hospodarstvo Ukrainy, 1932. 76 p.

1. Donets Basin-Sanitary affairs

ROKHLIN, L.L., prof. (Kuybyshev), otv.red.; BANSHCHIKOV, V.M., prof. (Moskva), red.; VORONOV, D.A., red.; YEROSHEVSKIY, T.I., prof., red.; ZLOTOGEROV, A.I., prof. (Kuybyshev); CHEREMISOV, M.F., tekhn.red.; BELOTSERKOVSKIY, N.I., tekhn.red.

[Current problems in neuropathology and psychiatry] Aktual'nye problemy nevropatologii i psikhiatrii. Trudy. Kuibyshev, 1957. 566 p. (Gosudarstvennyi nauchno-issledovatel'skii institut psikhiatrii MZ RSFSR. Trudy, vol. 16; Kuibyshevskii gosudarstvennyi meditsinskii institut. Trudy, vol.9).

(MIRA 13:12)

1. Mezhoblastnoye soveshchaniye nevropatologov i psikhiatrov Povolzh'ya i primykayushchikh oblastey, 1956.

(NERVOUS SYSTEM--DISEASES) (PSYCHIATRY)

ZLOTOPOL'SKAYA, Ye.S.

Fungus infections of the mouth and larynx. Pediatriia, Moskva no.2: 29-32 Mar-Apr 1953. (CIML 25:4)

1. Of the Clinic for Children's Diseases of the Therapeutic Faculty of Second Moscow Medical Institute imeni I. V. Stalin (Director -- Prof. N. I. Osinovskiy) located at Children's Clinical Hospital (Head Physician -- Honored Physician of the Republic Ye. V. Prokhorovich).

ZLOTOPOL'SKIY, A.R.; KHAZANOV, A.I., kand.med.nauk; ZHGUN, A.A. (Moskva)

Some clinical and therapeutic problems in peptic ulcer. Klin. med. 39 no.2:44-50 F '61. (MIRA 14:3)
(PEPTIC ULCER)

ZLOTOPOL'SKIY, A.R.; KHAZANOV, A.I., kand. med. nauk; ZHGUN, A.A.; SOKOL'NIKAS, Ya.Ye.

Antirelapse preventive treatment of peptic ulcer. Sov. med. 28 no.1: 41-45 Ja '65. (MIRA 18:6)

1. Glavnyy voyennyy gospital' imeni Burdenko, Moskva.

ZLOTOPOL'SKIY, M.D.; GLEYZER, S.I.

Analysis and synthesis of the hypoid engagement. Trudy LTITSBP no.14:59-75 '64. (MIRA 18:5)

MARKOV, Arkadiy L'vovich; ZLOTOPOL'SKIY, M.I., dotsent, kand.tekhn.nauk, retsenzent; AMOSOV, I.S., dotsent, kand.tekhn.nauk, red.; LEYKINA, T.L., red.izd-va; SPERANSKAYA, O.V., tekhn.red.

[Measurement of spur gears] Izmerenie tsilindricheskikh zubchatykh koles. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 271 p. (MIRA 12:4)
(Gearing, Spur--Measurement)

ZLOTOPOL'SKIY, M.D., kand. tekhn. nauk

Cutting of bevel gears with a turning correction. Trudy LTITSBP no.10:96-104 '62. (MIRA 16:8)

(Gear cutting)

ZLOTOPOL'SKIY, M.D.

Call Nr: TJ1185.K763

AUTHOR: Kucher, I.M., Candidate of Technical Sciences

TITLE: Design of Special-Purpose Automatic and Semiautomatic Machine Tools (Konstruirovaniye spetsializirovannykh stankov-avtomatov i poluavtomatov)

PUB. DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo mashinostroitel'noy literatury (Mashgiz), Moscow-Leningrad, 1952, 260 pp., 10,000 copies

ORIG. AGENCY: None

EDITORS: Zlotopol'skiy, M.D., Candidate of Technical Sciences; Editor-in-Chief of Leningrad branch of publishing house: Bol'shakov, S.A., Engr.; Tech. Ed.: Pol'skaya, R. G.; Reviser: Kushlyu, Ya. S.; Reviewers: Shaumyan, G. A., Prof., Dr. of Technical Sciences; Sobolev, N.P., Prof.; Aleksan'yants, A.A., Engr.

PURPOSE: This book is intended as a manual for engineers engaged in the field of designing special-purpose automatics and semiautomatics. It can also be used by process engineers, students, and skilled workers.

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Call Nr: TJ1185.K763

Design of Special-Purpose Automatic and Semiautomatic (Cont.)

COVERAGE: The book reviews the basic types of special-purpose automatic and semiautomatic machine tools and the most efficient ways of utilizing them. The basic elements of the mechanisms and control systems are extensively analyzed, and fundamentals of their design and design calculations are discussed. A number of machine-tool designs introduced in Soviet industry are described and illustrated. The author points out that despite the considerable achievements of the Experimental Scientific Research Institute of Metal-Cutting Machines (ЭНИМС) and the plants of the Ministry of Machine-Tool Construction in the design of special-purpose automatic and semiautomatic machines, many plants must themselves design and manufacture special-purpose machines for their own specific needs. The literature currently available on this subject deals exclusively with general-purpose automatic machine tools, and the designer often cannot benefit from the experience gained in the design of automatics. The book represents the first attempt to fill this gap and to present a handy design manual for designers of special-purpose automatics. There are 18 references, all USSR.

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Design of Special-Purpose Automatic and Semiautomatic (Cont.)

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Call Nr: TJ1185.K763

Design of Special-Purpose Automatic and Semiautomatic (Cont.)

AVAILABLE: Library of Congress

Card8/8

KRIVOKOBYL'SKIY, V.F.; ZLOTOPOL'SKIY, M.Ya.

Automatic line for sewing in pins. Trakt. i sel'khozmash. no.6: 40-41 Je '65. (MIRA 18:7)

1. Khar'kovskiy motorostroitel'nyy zavod "Serp i molot".

ZLOTOROVICH, G.V.

BEL'SKAYA, T.N.; ZLOTOROVICH, G.V.

Development plants in the environment of factory shops. Biul. Glav.bot. sada no.19:26-47 '54. (MLRA 8:2)

(House plants) (Botany--Physiology)

ZLOTORZYCKA, Jadwiga

Mallophaga parasitizing Passeriformes and Pici. Pt.2. Acta parasit Pol 12 no.19:239-282 '64.

1. Department of General Parasitology of the University, Wroclaw.

PLOTORZYCKA, Jadwiga

Mallophaga parasitizing Passeriformes and Piel. Pt.3. Acta parasit Pol 12 no.30/39:401-432 '64.

1. Institute of General Parasitology of the Wroclaw University.

ZLOTCRZYCKA, Jadwiga (Wroclaw, Sienkiewicza 21)

Selected problems concerning ecologic and phylogenetic relations between mallophaga and their avian hosts. Wiad parazyt 7 no.4/6: 919-923 '61.

1. Muzeum Zoologiczne, Uniwersytet Wroclawski, Wroclaw.

ZLOTORZYCKA, Jadwiga

Selected problems regarding ecological and phylogenic relations between Mallophaga and their hosts (birds). Wiadomości parazyt., 7 no.4/6:919-923 '61.

1. Muzeum Zoologicane Uniwersytetu Wroclawskiego, Wroclaw.
(LICE) (BIRDS parasitol)

ZLOTORZYCKA, Jadwiga; DANECKI, Jerzy

Observation on the vitality of Mallophaga from dead Tetrao urogallus L. Wiad. parazyt. 8 no.5:559-564 '62.

1. Zaklad Parazytologii Ogolnej UW, Wroclaw, i Muzeum Zoologiczne UW, Wroclaw.

(LICE)

ZLOTORZYCKA, Jadwiga

Larithophilus gen. n. separated from Actornithophilus Ferris (Mallophaga) with a description of new and a review of known species. Acta parasit Pol 11 no.14/18: 223-228 '63.

1. Katedra Parazytologii Ogolnej, Uniwersytet, Wroclaw.

EICHLER, Wolfdietrich; ZLOTORZYCKA, Jadwiga

Studies on mallophaga of birds of prey. Pt.4. Acta parasit Pol 11 no.14/18: 199-221 '63.

1. Parasitologisches Laboratorium und Dokumentationsstelle fur Parasitologie, Kleinmachnow bei Berlin, D.D.R. (for Eichler). 2. Katedra Parazytologii Ogolnej, Uniwersytet, Wroclaw (for Zlotorzycka).

EAST GERMANY

ZLOTORZYCKA, Jadwiga, of the Laboratory of General Parasitology, Zoological Institute, Wroclaw University (Zaklad Parazytologii Ogolnej, Instytut Zoologiczny, Universytet) in Wroclaw, Poland (Director: JANISZEWSKA, Mrs. J., Professor, Dr.), and Institute for Governmental Veterinary Sciences and Veterinary Hygiene at Karl Marx University, Leipzig, "Prof. Dr. Eichler" Laboratory (Institut fur Staatsveterinarkunde und Veterinarhygiene der Karl-Marx-Universitat zu Leipzig, Laboratorium Prof. Dr. Eichler) in Kleinmachnow (Director: HUSSEL, L., Professor, Dr.).

"Studies on Lice on Predatory Birds. Part 1: Trollipeurus nov. gen., a new Mallophaga Genus of New-World Vultures"

Jena, Angewandte Parasitologie, Vol 4, No 1, Jun 1963, pp 3-12.

Abstract: A new genus of Mallophaga, Trollipeurus nov. gen., as distinct from Falcolipeurus, was described. As new species, described were Trollipeurus eichleri nov. spec., from Coragyps atratus foetens (the genotype) and Trollipeurus kleinmachnowensis nov spec., from Vultur gryphus. Thirteen references, including 6 German and 7 Western.

1/1

ZLOTOV,

"Outstanding Workers of the Arctic," 1940

Summary translation 693782, 15 Nov 51

ZLOTOVERKHIY, P.F.

ZLOTOVERKHIY, P.F., fel'dsher (Makhachkala)

The health center and plant personnel. Fel'd. i akush. 23 no.2: 39-40 F '58. (MIRA 11:2)
(INDUSTRIAL MEDICINE)

POLAND/Zooparasitology - Ticks and Insects Vectors of Disease Agents. G

Abs Jour : Ref Zhur Biol., No 1, 1959, 1028

Author : Zlotorzycka, Jadwiga
Inst : -
Title : Bird-Lice of the Bird Family Corvidae from Lower Silesia

Orig Pub : Acta parasitol. polon., 1955-1956, 3, No 13-19, 435-445

Abstract : The fauna of the bird-lice, which are parasites in strains of the Corvidae falily extending from France to the Ussuri region, is described on the basis of appropriate investigations and literary data. Distribution of the bird-lice is studied in relation to the hosts and topography of the parasites on the body of the bird.

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ZLOTORZYCKA, Jadwiga

Some chosen problems in ecological and phylogenetic relations between Mallophaga and their avian hosts. Wiadomości parazyt. 7 no.2:229-232 '61.

1. Muzeum Zoologiczne Uniwersytetu we Wrocławiu.

(LICE) (BIRDS parasitol)

ZLOTORZYCKA, Jadwiga

Mallophaga from birds living on Suminy lake in the Bytow county in Pomerania. Wiadomosci parazyt., Warsz. 4 no.5-6:787-788; Engl. transl. 789 1958.

1. Z Instytutu Zoologicznego Uniwersytetu we Wroclawiu.
(BIRDS,
Mallophaga infestation (Pol))
(PEDICULI,
Mallophaga infestation of birds (Pol))

ZLOTORZYCKA, Jadwiga

Mallophaga in storks (Ciconiidae) with special reference to Mallophaga in white storks in the Wroclaw Zoological Garden. Wiadomosci parazyt., Warsz. 4 no.5-6:791; Engl. transl. 792 1958.

1. Z Instytutu Zoologicznego Uniwersytetu we Wroclawiu.
(PEDICULI,
Mallophaga in storks (Pol))
(BIRDS,
storks, Mallophaga (Pol))

ZLOTORZYCKA, Jadwiga

Mallophaga parasitizing Passeriformes and Pici. Pt. 1. Acta parasit Pol 12 no.13/18:165-192 '64.

1. Institute of Parasitology of the University, Wroclaw.

ZLOTORZYCKA, Jadwiga

The systematic problem of Mallophaga in the light of host evolution. Wiad. parazyt. 10 no.4:605-607 '64

ZLOTOV, V.M. (Moskva)

Thus the mysteries of the past are solved. Priroda 54 no.2:110-112 F '65. (MIRA 18:10)

ACC NR: AP7012444 SOURCE CODE: UR/0075/66/021/010/1217/1222

AUTHOR: Zolotov, Yu. A.; Chmutova, M. K.; Paley, P. N. -- Palei, P. N.

ORG: nono

TITLE: Extraction of a chelate compound of plutonium (IV) with 1-phenyl-3-methyl-4-benzoylpyrazolone-5

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 10, 1966, 1217-1222

TOPIC TAGS: chelate compound, plutonium compound, solvent extraction

SUB CODE: 07

ABSTRACT: The authors studied the extraction of a chelate compound of Pu (IV) with 1-phenyl-3-methyl-4-benzoylpyrazolone-5 (PMBP) from solutions of nitric, hydrochloric and sulfuric acids. Plutonium was quantitatively extracted by a 0.1 *M* solution of PMBP in benzene from 1-7 *N* solutions of HNO_3 with nearly quantitative extraction from 1-7 *N* solutions of H_2SO_4. Consideration is given to the effect which solvents, PMBP and plutonium concentration and extraneous complexing agents have on extraction of plutonium from nitric acid solutions. Extraction is not affected by large quantities of acetates, oxalates, citrates and phosphates. Conditions were found for plutonium re-

Card 1/2 UDC: 543.70

0932 1397

ACC NR: AP7012444

extraction. Complexing of plutonium with PMBP was studied and the stability constants of the complexes were determined. The data show that complexes of the PuA_i type are formed in the aqueous phase where A is the equilibrium concentration of free anions of PMBP in the aqueous phase and i=1-4. Orig. art. has: 1 figure, 1 formula and 6 tables. [JPRS: 40,422]

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ZLOTORZYCKA, Jadwiga

Lice (Mallophaga) as parasites and their practical significance. Wiad. parazyt. 11 no.3:137-143 '65.

1. Zaklad Parazytologii Ogolnej Uniwersytetu Wroclawskiego.

ZLOTOVERKHIY, P.V., fel'dsher (Makhachkala)

A case from practice. Fel'd. i akush. 25 no.4:54-55 Ap '60.
(MIRA 14:5)

(NOSE--TUMORS)

EXCERPTA MEDICA Sec 8 Vol 9/8 Neurology Aug 56

3186. ZLATOVEROFF A. I. Med. Inst., Kuybischeff. °The influence of the cerebral cortex on some symptoms of disorders in the central nervous system (Russian text) Z. NEUROPAT. PSIKHIAT. (Mosk.) 1955, 55/12 (916-918) Graphs 3

A study of the changes of Babinski's pyramidal symptom obtained while the patient was exposed to extreme mental strain or when under the influence of hypnotic sleep, bromide or caffeine. These influences may decrease the intensity of Babinski's symptom.

Hadlik - Brno

ZLOTOWSKA, M.

"Using a Zeiss Model III Flame Photometer for Determination of Na_2O and K_2O in concrete." (To be Contd.) p. 196, Warszawa, Vol. 9, no.7, July 1954.

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

ZLOTOWSKA, Z.; PAWLOWSKA, H.

"Using a Zeiss Model III FlamePhotometer for Determination of Na_2O and K_2O in Concrete (Conclusion)", P. 277, (MATERIALY BUDOWLANE, Vol. 9, No. 10, October 1954, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

ZLOTOWSKA, Zofia

Polarographic determination of nickel in molybdenum oxide and in metallic molybdenum. Chem anal 8 no.3:405-410 '63.

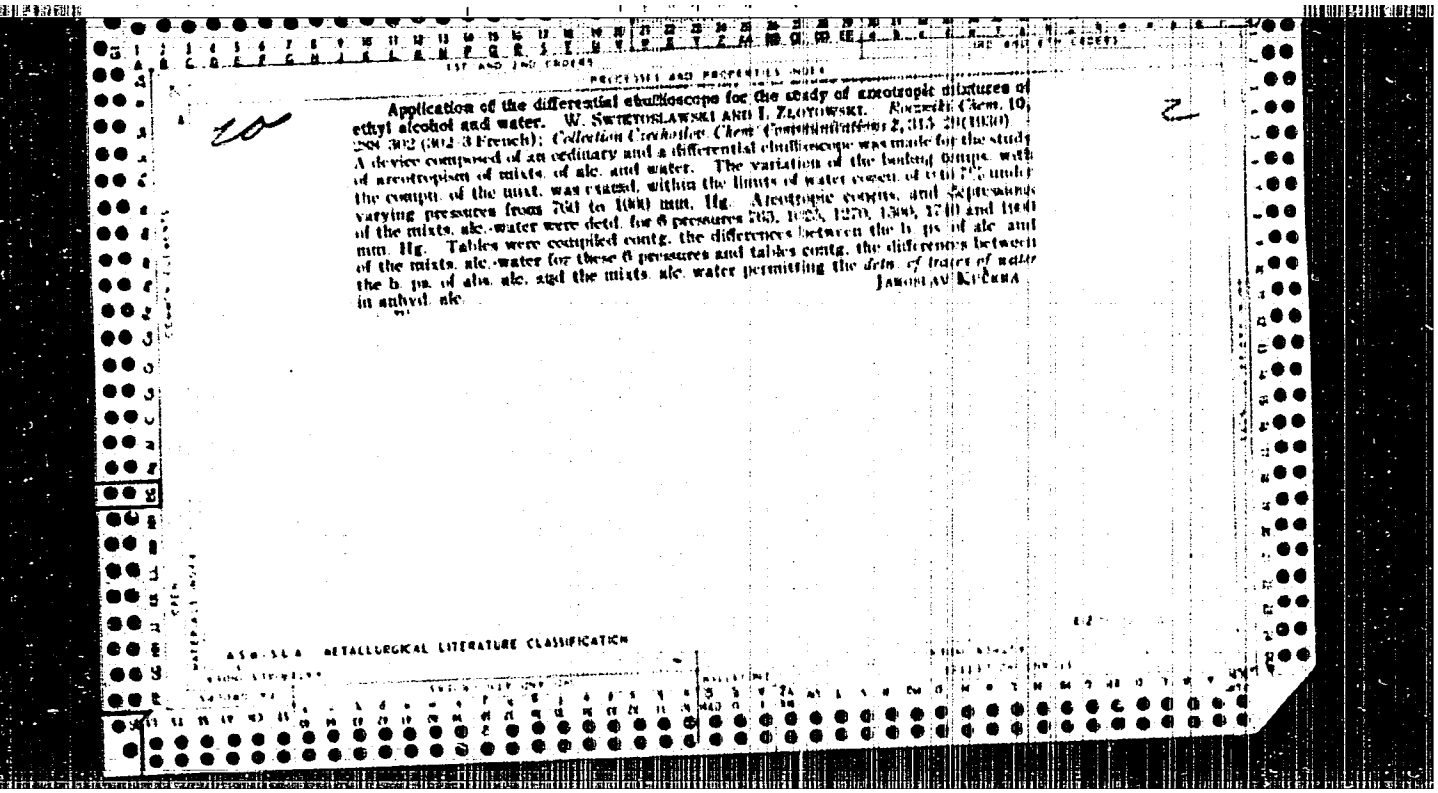
1. Vacuum Tube Material Works, Warsaw.

ZLOTOWSKI, Edward, inz.

Activities of the Publishing Department of the Institute of Building Techniques in 1962. Przegl budowl i bud miesak 35 no.3:187-190 Mr '63.

ZLOTOWSKI, Edward, inz.

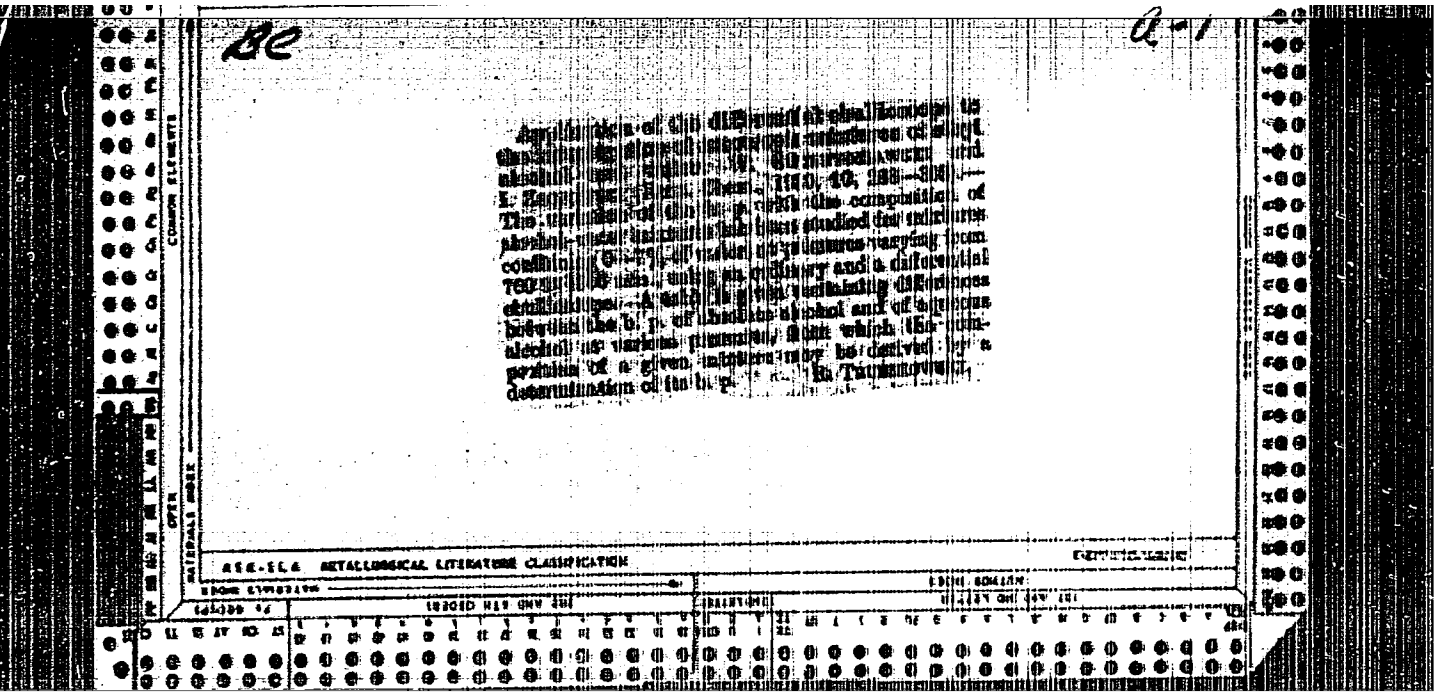
Activities of the Office of Publications of the Construction Engineering Institute in 1962. Gosp wodna 23 no.6:221-223 Je '63.

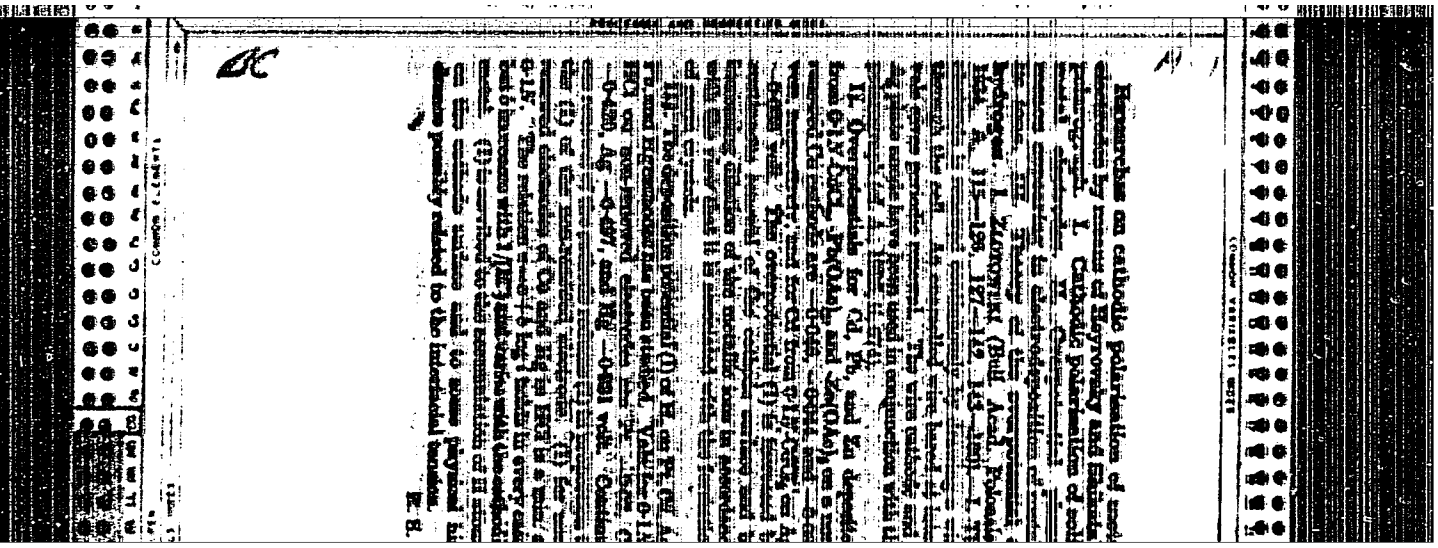


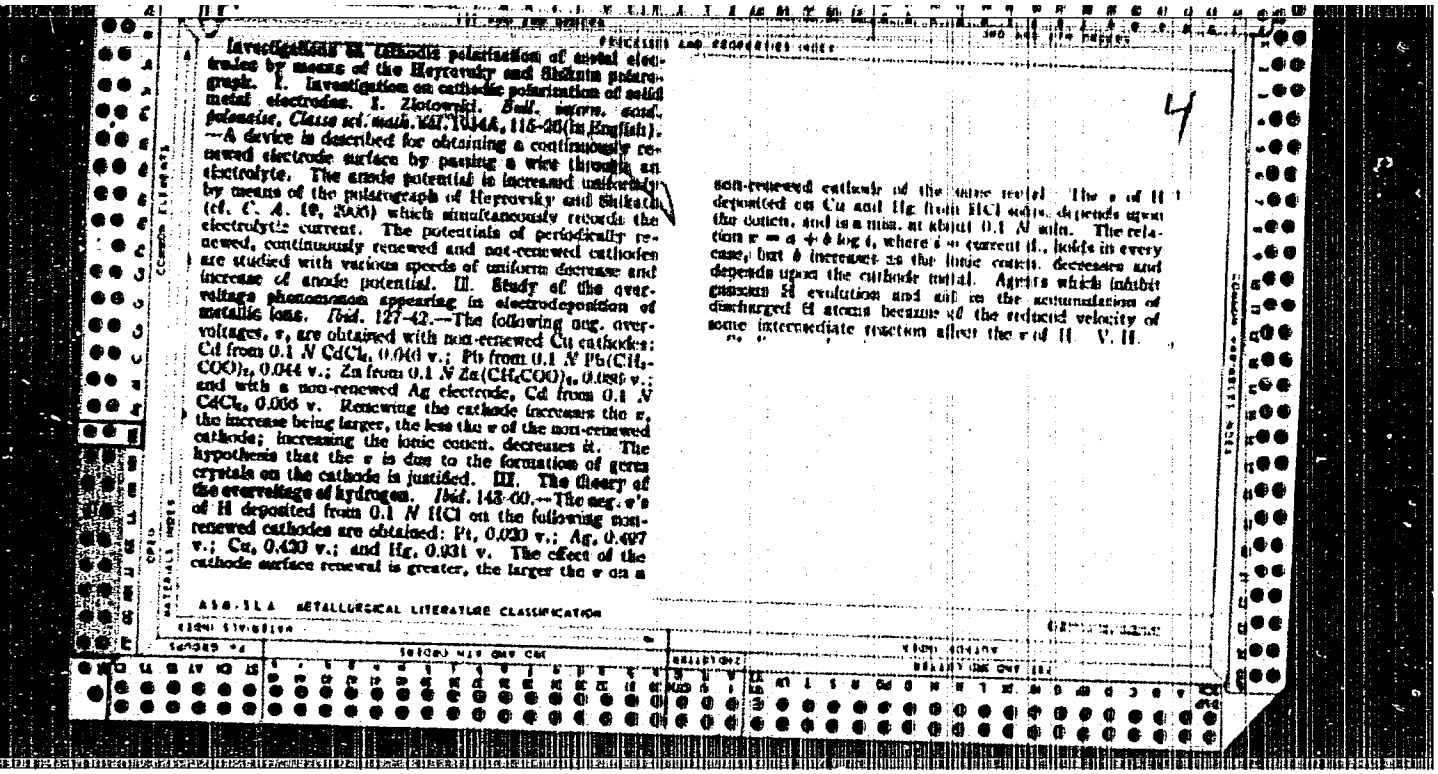
Application of the differential ebulliscope for the study of azeotropic mixtures of ethyl alcohol and water. W. SWIETOSLAWSKI AND I. ZLOTOWSKI. *Roczniki Chem.* 10, 288-302 (1930) (2 pp. French); *Collection Czechoslov. Chem. Communications* 2, 315-20 (1930). A device composed of an ordinary and a differential ebulliscope was made for the study of azeotropism of mixts. of alc. and water. The variation of the boiling temps. with the compn. of the mixt. was traced, within the limits of water concn. of 0 to 7% under varying pressures from 700 to 1000 mm. Hg. Azeotropic compns. and temperatures of the mixts. alc.-water were detd. for 6 pressures 705, 1025, 1270, 1500, 1710 and 1940 mm. Hg. Tables were compiled contg. the differences between the b. pts. of alc. and of the mixts. alc.-water for these 6 pressures and tables contg. the differences between the b. pts. of abs. alc. and the mixts. alc. water permitting the *detn. of traces of water* in anhyd. alc.

JAROSLAV KUČERA

A50-SLA METALLURGICAL LITERATURE CLASSIFICATION







Investigations in cathodic polarization of metal electrodes by means of the Heyrovsky and Shikata polarograph. I. Investigation on cathodic polarization of solid metal electrodes. I. Zlotowski. *Bull. intern. acad. polonaise, Classe sci. math. nat.* 1934A, 115-26 (in English).—A device is described for obtaining a continuously renewed electrode surface by passing a wire through an electrolyte. The anode potential is increased uniformly by means of the polarograph of Heyrovsky and Shikata (cf. *C. A.* **19**, 2666) which simultaneously records the electrolytic current. The potentials of periodically renewed, continuously renewed and not-renewed cathodes are studied with various speeds of uniform decrease and increase of anode potential. III. Study of the overvoltage phenomenon appearing in electrodeposition of metallic ions. *Ibid.* 127-42.—The following neg. overvoltages, *v*, are obtained with non-renewed Cu cathodes: Cd from 0.1 *N* $CdCl_2$, 0.046 v.; Pb from 0.1 *N* $Pb(CH_3COO)_2$, 0.044 v.; Zn from 0.1 *N* $Zn(CH_3COO)_2$, 0.098 v.; and with a non-renewed Ag electrode, Cd from 0.1 *N* $CdCl_2$, 0.066 v. Renewing the cathode increases the *v*, the increase being larger, the less the *v* of the non-renewed cathode; increasing the ionic concn. decreases it. The hypothesis that the *v* is due to the formation of germ crystals on the cathode is justified. III. The theory of the overvoltage of hydrogen. *Ibid.* 143-60.—The neg. *v*'s of H deposited from 0.1 *N* HCl on the following non-renewed cathodes are obtained: Pt, 0.030 v.; Ag, 0.497 v.; Cu, 0.430 v.; and Hg, 0.931 v. The effect of the cathode surface renewal is greater, the larger the *v* on a non-renewed cathode of the same metal. The *v* of H deposited on Cu and Hg from HCl solns. depends upon the concn. and is a min. at about 0.1 *N* soln. The relation $v = a + b \log i$, where *i* = current d., holds in every case, but *b* increases as the ionic concn. decreases and depends upon the cathode metal. Agents which inhibit gaseous H evolution and aid in the accumulation of discharged H atoms because of the reduced velocity of some intermediate reaction affect the *v* of H. V. H.

A50-11A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

2ND AND 4TH ORDERS

m

17

*Cathodic Polarization of Metal Electrodes. I. Zlotowski (*Bull. Acad. Polonaise Sci.*, 1934, 8-4A, 115-160; *Sci. Abs.*, 1935, [A], 38, 313).—[In English.] An instrument was devised for the periodic and continual renewal of solid metal electrodes, and a polarograph for the study of cathodic polarization of solid metal electrodes was elaborated. By means of these devices, overpotentials of zinc, cadmium, and lead, and the current-voltage curves due to electrodeposition of hydrogen on renewed and non-renewed metallic electrodes were investigated.—S. G.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Application of the ice calorimeter to determination of the heat evolved by pitchblende. W. Świętosławski, I. Złotowski, J. Salcewicz, J. Usakiewicz, and A. Zmaczyński (Rocz. Chem., 1934, 14, 1014–[illegible]).—The results obtained for pitchblende are > those obtained by other authors using different calorimeters; the discrepancy is ascribed to the comparatively high experimental error (> 10% for heat effects of the order of 7×10^{-6} g.-cal. per hr.) R. T.

ASO-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Cathodic polarization studies by means of the Heyrovsky
and Shikata polarograph. I. Solid metals. Ignacy
Zlotowski. Roczniki Chem. 14, 640-50(1934).—See C.
A. 29, 1328[8]. II. Overvoltage during electrolysis of
metals. Ibid. 14, 651-65(1934).—See C. A. 29,
1328[8]. III. Deposition of metals on a stationary mercury
electrode. Ibid. 14, 666-74(1934); cf. J. Heyrovsky,
C. A. 17, 1578.—The depolarizing effect of the Hg elec-
trode is proportional to its surface. Values in the case of
Cd and K are 0.183 v. and 0.975 v. IV. Theory of
hydrogen overvoltage. Ibid. 14, 675-90(1934).—See
C. A. 29, 1328[8]. J. P. Matchwork

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSING AND PROPERTIES INDEX

Delivery of heat by γ-radiation from radium. I. [illegible] (Compt. rend., 1934, 198, [illegible]).—Using the [illegible] adiabatic [illegible] calorimeter (A., 193[illegible], 1[illegible]) for measuring the rise of temp. of a Pb block containing Ra [illegible] of known age, and thence [illegible] corrections to be deducted for radiations due to the disintegration products of Ra and for α- and β-radiations, the heating effect due to the γ-radiation has been determined as [illegible] 0·3 g.-cal. per g. Ra per hr. J. W. S.

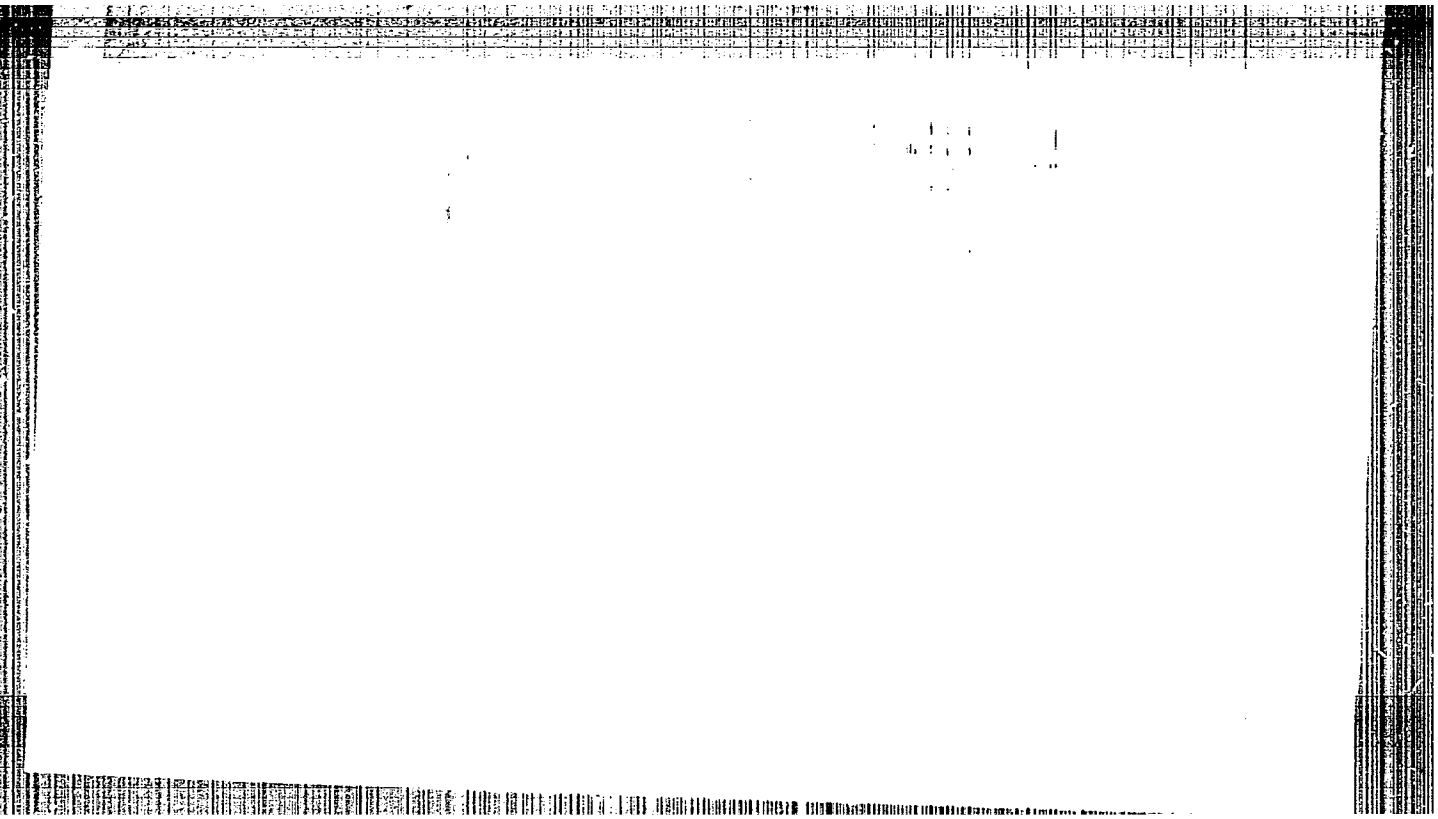
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

BC

a-1

Structure and properties of the insulating layers formed on aluminium electrodes during anodic polarisation. I. Zlotowski (Bull. Acad. Polonaise, 1936, A, 164—191).—A method is developed for measuring the change in resistance (*R*), capacity (*C*), and dielectric losses during anodic formation of Al at const. c.d. The influence of c.d., temp., and concn. for aq. $H_2C_2O_4$ suggests that the insulating layer comprises a very thin and almost non-porous film of solid dielectric next to the Al, and an outer, relatively thick, porous layer impregnated with electrolyte. The thin film determines *R* and *C*. Assuming the dielectric const. of this film to be 7·45, the thickness of the films formed at 1—25 volts is 10^{-7}—10^{-6} cm., and *R* is 10^{10}—10^{11} ohms per cm.² *R* increases exponentially with increasing temp. of polarisation. The results are in accord with X-ray measurements. J. W. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002065310020-2"

ZLOTOWSKI, Ignacy

Nuclear Physics

Poland

"Structure and properties of the insulating layer formed on Al electrodes during anodic polarization", Chem.Abs., 1937.

"Disintegration of B with emission of deuterons", Chem.Abs., 1938.

"Emission of deuterons by bombarding borium with a-particles", Chem.Abs., 1939.

"Nuclear disintegration induced by the cosmic radiation", Chem.Abs., 1942.

"Microcalorimetric detm. of the mean energy of β -rays from Ra E", Chem.Abs., 1942.

With Joliet, F., "Energy of groups of protons emitted in the transmutation of B by a-particles", Chem.Abs., 1938.

With Lecoin, M., "Microcalorimetric measurement of the mean energy of disintegration of Ra E", Chem.Abs., 1939.

With Kolthoff, I.M., "Validity of the Ilkovic equation in the polarographic analysis of alkali metals and the characteristics of the alkali waves in various media", Chem.Abs., 1942.

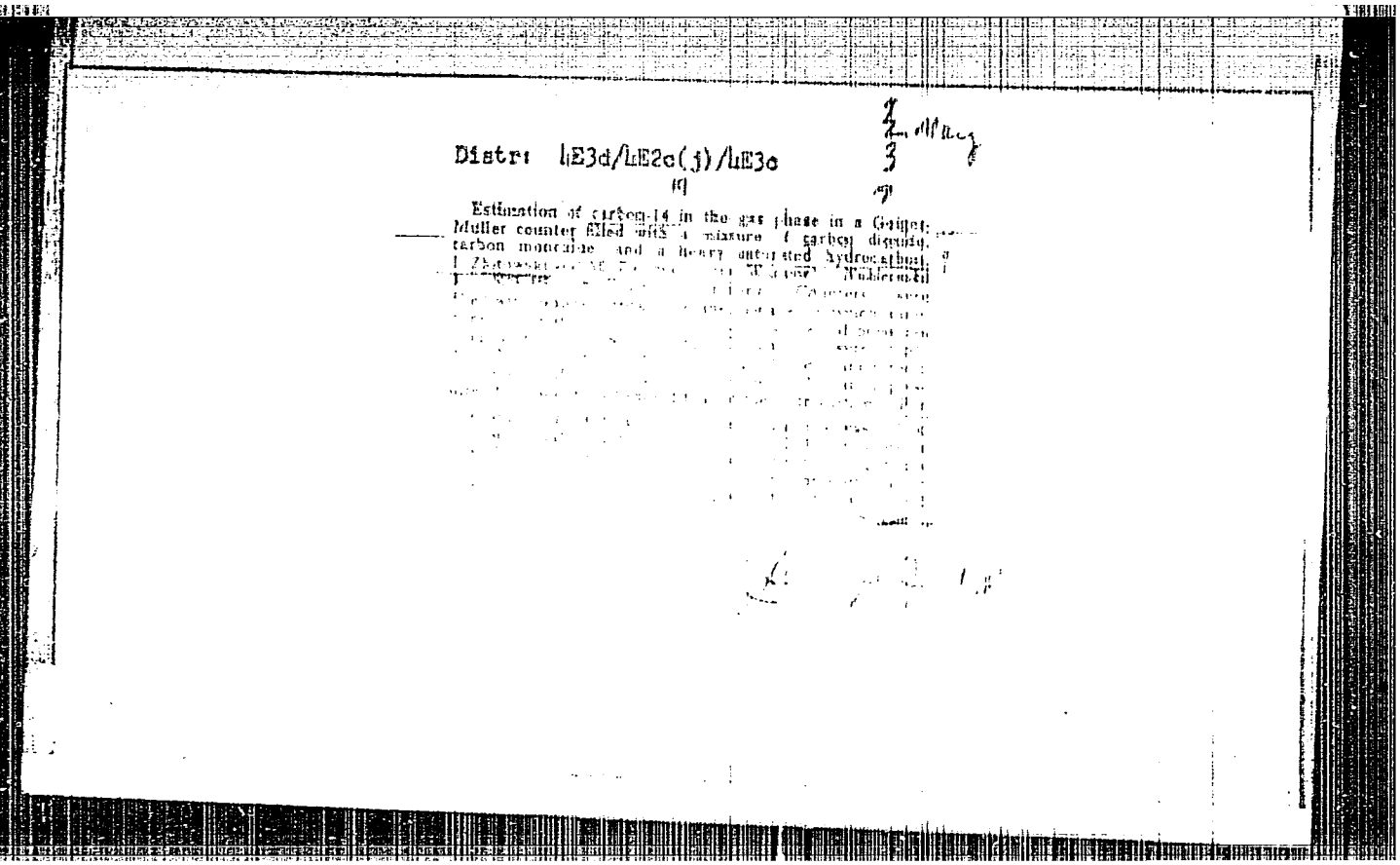
Zlotowski, I.; Zielinski, M.

Istopic effect in the Van Slyke combustion of some carbon 14 aliphatic alcohols and acids. p. 5.

NUKLEONIKA. (Polska Akademia Nauk. Komitet do Spraw Pokojowego Wykorzystania Energii Jadrowej) Warszawa, Vol. 4, no. 1, 1958.
POLAND

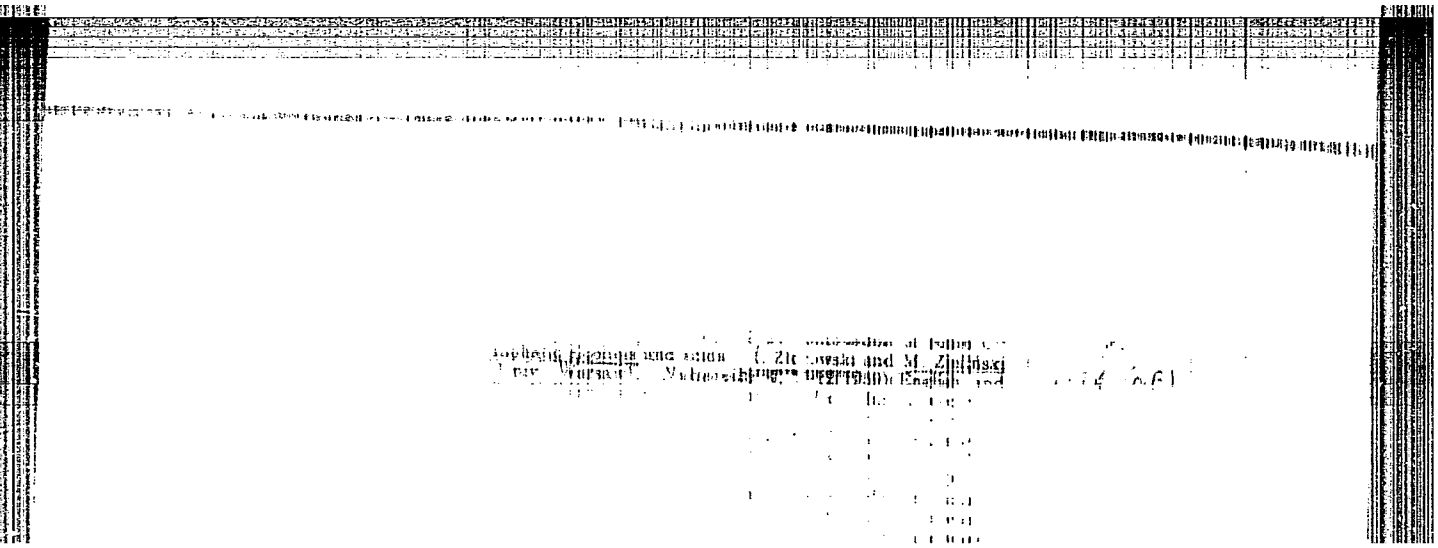
Monthly List of European Accession (EEAI) LC, Vol. 8, no.7, July 1959.

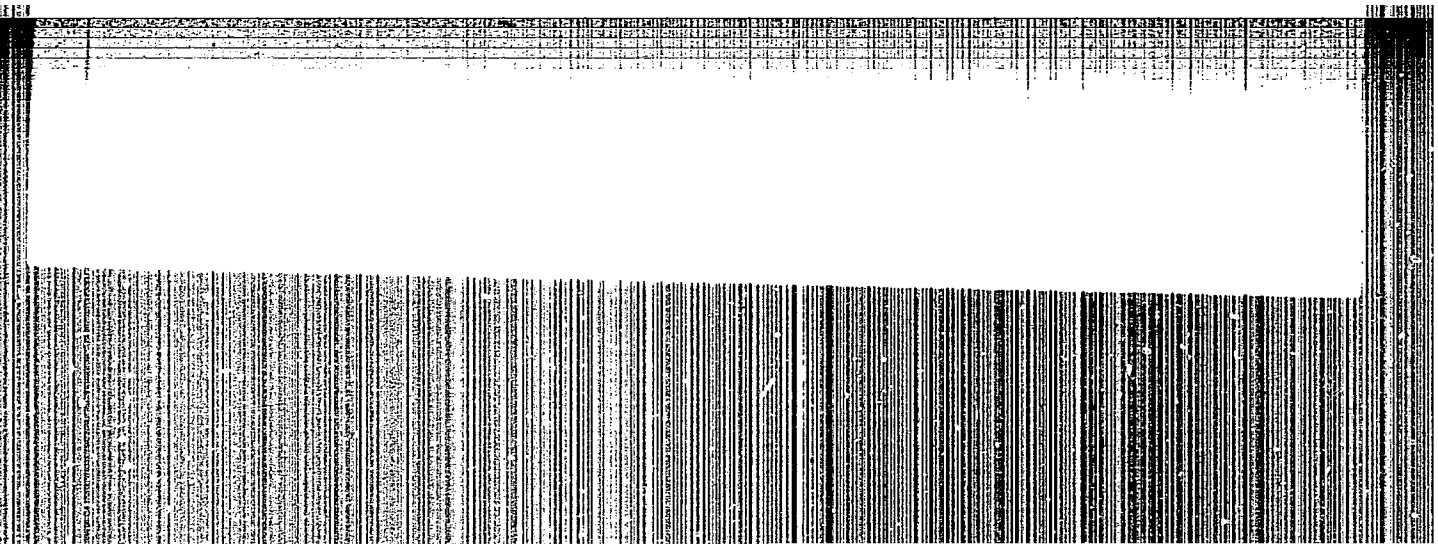
Uncl.



Distr: 1E3d/1E2c(j)/1E3c

Estimation of carbon-14 in the gas phase in a Geiger-Muller counter filled with a mixture of carbon dioxide, carbon monoxide and a heavy saturated hydrocarbon.





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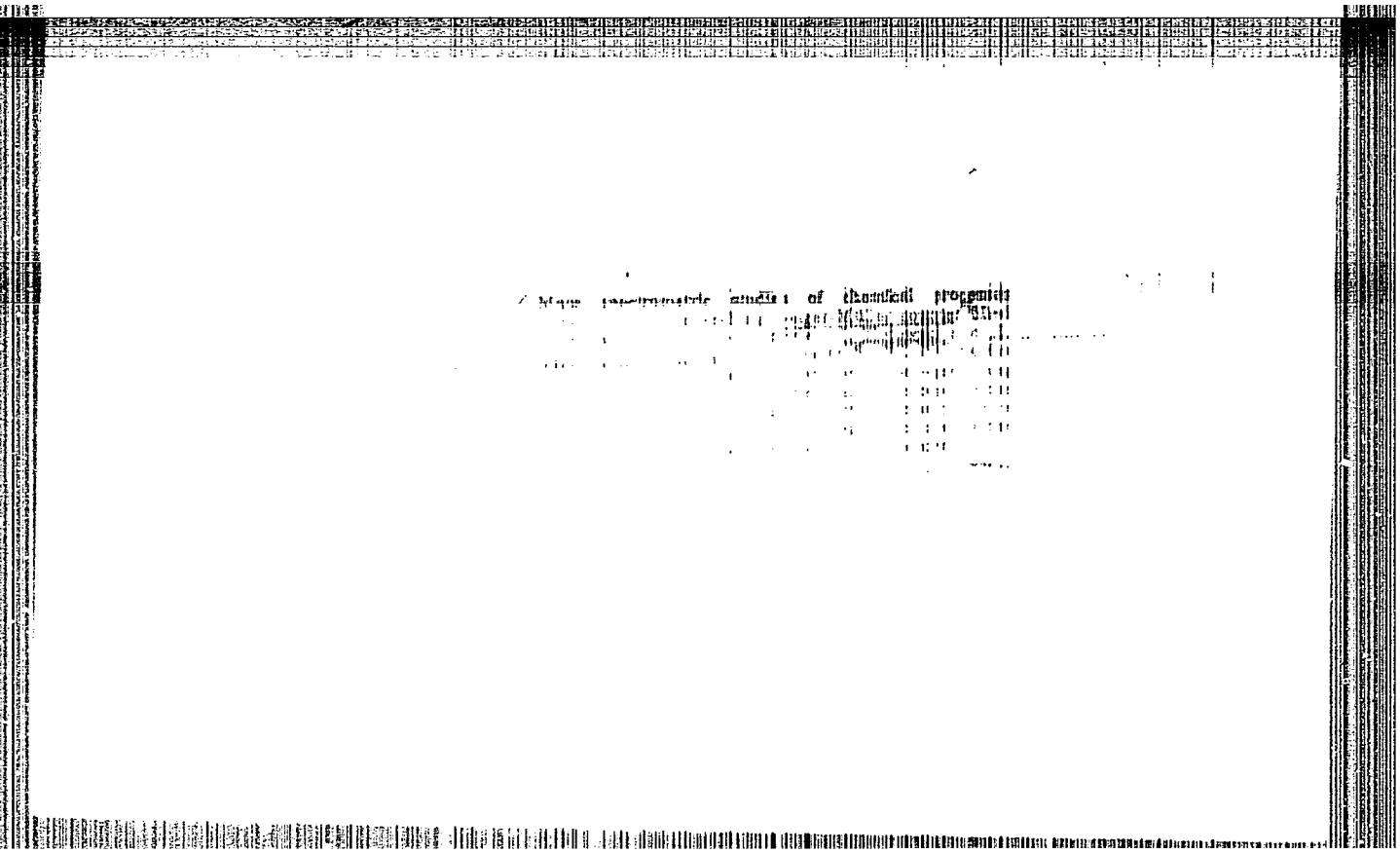

POLAND/Physical Chemistry. Radiochemistry. Isotopes. D-7

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42470.

Author : Zlotowski Ignacy, Halpern Aleksander, Polaczek Andrzej

Inst : Jagiellonski University.

Title : Production of Radioactive Preparations Enriched by the Method of Szilard and Chalmers. I. Production of Radioactive Preparations of Iodine and Bromine.

Orig Pub: Zesz. nauk. Uniw. Jagiellonskiego. Mat., fiz., chem., 1955, No 1, 65-81.

Abstract: The possibility has been ascertained of producing radioactive preparations of Br and I having an absolute activity of 0.3-0.5 μ -Curie by means of a small Ra-Be-source in accordance with (n, γ) reaction. The source having an activity of about

Card : 1/2

5(2), 21(1,5)

POL/46-4-6-4/19

AUTHOR: Złotowski, Ignacy; Zieliński, Mieczysław

TITLE: On Some Relations Between the Mechanism of the Reaction $CO_{(gas)} \xrightarrow{J_2O_5} CO_{2(gas)}$ and Kinetic Isotope Effects for ^{14}C.

PERIODICAL: Nukleonika, 1959, Vol IV, Nr 6, p 599-610

ABSTRACT: The authors expected that by using certain data concerning the kinetic isotope effect of oxidation of CO marked with ^{14}C isotope, obtained during previous investigation, they might be able to elucidate the mechanism of this reaction. As the reaction takes place at the border between gas and solid phases, it was necessary to find out which of the three partial reactions, adsorption of Co on J_2O_5, - the reaction of J_2O_5 splitting and formation of CO_2 and finally the

Card 1/3

EOL/46-4-6-4/19

On Some Relations Between the Mechanism of the Reaction $CO_{(gas)} \xrightarrow{J_2O_5} CO_{2(gas)}$ and Kinetic Isotope Effects for ^{14}C.

desorption of gaseous CO_2 is progressing at the slowest pace and thus rules the kinetics of the whole process. The authors carried out extensive laboratory research and described them in detail in this article. They compared the experimentally obtained results with the kinetik isotope effect data theoretically calculated for the three consecutive stages of the process and found out, that the first phase of reaction is the slowest. Evidence has been obtained which suggests that in the intermediate active complex O....C....O....J, the bonds between C-atom and the two atoms of Oxygen are equivalent, the oxidising atom of Oxygen being already very strongly attached to the CO molecule. On the

Card 2/3

POL/46-4-6-4/19

On Some Relations Between the Mechanism of the Reaction $^{14}CO_{(gas)} \xrightarrow{J_2O_5} CO_2(gas)$ and Kinetic Isotope Effects for ^{14}C

other hand, the bonds of the active Oxygen atom with J-atom in J_2O_5 and C-atom in CO, appear not to be equivalent in this active complex. There are 5 tables and 27 references, of which 3 are Polish, 3 German, 2 French, 17 English and 2 Soviet.

ASSOCIATION: Warsaw University, Chair of Nuclear Chemistry

SUBMITTED: March 1959

Card 3/3

ZLOTOWSKI, Ignacy; STROKA, Alfred

A study of the relative abundance ratio of isotopes ^{32}S and ^{34}S in some Polish native sulfur deposits. Nukleonika 5 no.5: 243-252 '60.

1. Warsaw University, Warszawa, Department of Nuclear Chemistry

ZLOTOWSKI, Ignacy; WINCEL, Henryk

Mass spectrometric studies of chemical processes occurring in a selfquenching Geiger-Muller counter filled with long-chain saturated hydrocarbons. Nukleonika 5 no.5:261-279 '60.

1. Warsaw University, Warszawa, Department of Nuclear Chemistry

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

Abs Jour : Ref Zhur - Fizika, No 8, 1959, 17128

Author : Zlotowski, Ignacy; Zielinski, Mieczyslaw

Inst : Warsaw University, Poland

Title : Determination of the Activity of the Isotope C^{14} in Gaseous State in a Geiger-Muller Counter Filled with a Mixture of Co_2 or CO with Heavy Saturated Hydrocarbon

Orig Pub : Nukleonika, 1958, 3, No 5, 529-546

Abstract : The author investigates in detail a method of determining the activity of radioactive C^{14} in the form of CO_2 or CO in a Geiger-Muller counter, filled with a gas mixture which contains, in addition to the aforementioned tagged molecules, a small additive of vapors of saturated heavy hydrocarbons (n-hexane, n-heptane, n-octane, n-nonane,

Card 1/3

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

Abs Jour : Ref Zhur Fizika, No 8, 1959, 17128

and cyclohexane). The experiments performed have shown that counters filled with vapors of heavy saturated hydrocarbons or with a mixture of these hydrocarbons with carbon monoxide or dioxide are self-quenching and have good characteristics. The characteristics of counters filled with various mixtures of CO and CO_2 and heavy saturated hydrocarbons were investigated as a function of the nature of the quenching additive, the general pressure of the gas phase in the counter, and the partial pressures of the components. Preliminary experiments have shown that when the total pressure is changed from 20 to 100 mm mercury, the partial pressure of CO_2 can very from 10 to 18 mm mercury, while the partial pressure of CO cannot exceed the partial pressure of the hydrocarbon. Applying a voltage to the counter anode through a resistor on the order of 100 meg-ohms, a resolution time on

Card 2/3

ZLOTOWSKI, Ignacy; ZIELINSKI, Mieczyslaw

Note on the kinetic isotope effects in decarboxylation of picolinic acid in fused state and in solutions. Nukleonika 6 no.7/8:511-515 '61.

1. University of Warsaw, Warszawa, Department of Nuclear Chemistry.

ZLOTOWSKI, Ignacy; ZIELINSKI, Mieczyslaw

Note on the kinetic isotope effects in decarboxylation of picolinic acid in fused state and in solutions. Nukleonika 6 no.7/8:511-515 '61.

1. University of Warsaw, Warsaw, Department of Nuclear Chemistry.

ZLOTOWSKI, Ignacy; POLACZEK, Andrzej; WINCEL, Henryk

A study of the iodine exchange between $KAlI_4$ and alkyl halides by the method of isotopic tracers. Nukleonika 6 no. 6:415-422. '61

1. Uniwersytet Warszawski, Warszawa, Katedra Chemii Jadrowej.

ZLOTOWSKI, Ignacy; WINCEL, Henryk

Mass spectrometric studies of electron impact fragmentation of ethyl halides. Nukleonika 6 no. 6:409-414. '61

1. Warsaw University, Warszawa, Department of Nuclear Chemistry.

ZLOTOWSKI, Ignacy; POLACZEK, Andrzej

Kinetic studies of iodine exchange between hydrogen, iodine and crystalline aluminum iodide labelled with ^{131}I. Nukleonika 6 no. 5: 335-355. '61

1. Warsaw University, Warszawa, Department of Nuclear Chemistry.

ZLOTOWSKI, Ignacy; ZIELINSKI, Mieczyslaw; PAWTA, Przemyslaw

The isotopic tracer method of study of the exchange reactions in the systems: Ferrous picolinate hexaaquo complex of Fe (II) and ferrous picolinate picolinic acid. Nukleonika 7 no.5:311-323 '62.

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P/046/62/007/012/002/002
D204/D307

21.2300

AUTHORS: Zyłotowski, Ignacy and Wróblewska, Maria

TITLE: Simplified determination of deuterium in water by the falling drop method

PERIODICAL: Nukleonika, v. 7, no. 12, 1962, 775-787

TEXT: A modification of the falling drop method is described, which eliminates the laborious preparation of calibration curves. The apparatus consisted of (1) a micropipette delivering drops ~ 3.5 mm³ in volume; (2) a vessel containing the organic liquid (diphenylmethane for 6-27 mol.% D, and chlorobenzene-xylene mixtures for 0-6 and 27-100 mol.% D). The compositions were adjusted to give a falling time of ≮ 14 sec for the densest drops in the given D-concentration range; (3) an ultrathermostat maintaining the temperature to ± 0.002°C; (4) an apparatus for the normalization of the isotopic composition of oxygen in water. The apparatus was calibrated with standard samples made up of D_2O (containing 99.7 mol % D) and purified water, and a calibration curve was plotted between

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