

YUGOSLAVIA

Gjorgje GJORGJEVIC CAMBA, First Surgical Clinic of Medical Faculty,
University (I hirurska klinika Medicinskog fakulteta Univerziteta),
Head (Upravnik) Prof Dr Bogdan KOSANOVIC, Belgrade.

"Postoperative Ileus."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No 10, Oct 62;
pp 985-987.

Abstract [French summary modified]: Description of mechanical ileus
following appendectomies in a man aged 14 and woman aged 26; second
laparotomy permitted identification of ileal constricting fibrous
bands, not directly related to previous operation; uneventful
recovery. One Rumanian, 3 Yugoslav and 3 Western references.

YUGOSLAVIA

Slobodan GJORGJEVIC, Ivan JANKOVIC, Miodrag SIMONOVIC, Kosta MITROVIC and Dragana NESIC; ORL Clinic (Otorinolaringoloska klinika) Head (Upravnik) Prof Dr Specko PODVINEC, and Department of Radiology (Radioloski institut) Head Prof Dr Bogoljub BOSNJAKOVIC, Medical Faculty of University (Medicinski fakultet Univerziteta,) Belgrade.

"Radiologic Treatment of Clinically Confirmed Cancer Metastases in the REgion of the Neck."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 3, Mar 63; pp 273-277.

Abstract [English summary modified]: Data on 263 irradiated patients with cervical lymphatic metastases of various ORL neoplasms 1954-1962, incl. 55 with Co⁶⁰ bomb. Metastatic foci receive 100 to 2000 r more than the primary region of the lesion. Lymph node extracts are given concurrently, apparently to radiosensitize the lesions. Statistical data are permuted in several ways. Three Yugoslav and 17 Western references.

1/1

YUGOSLAVIA

Mitar MITROVIC, Zivota GJORGJEVIC and Adam SELEA, Department of Surgery of City Hospital (Kirursko odeljenje Gradske bolnice), Head (Nacelnik) Prof Dr Mitar MITROVIC, Belgrade.

"Coincidence of Acute Appendicitis and Ectypema of Ovarian Dermoid Cyst During Pregnancy."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 1, Jan 63; pp 91-94.

abstract [German summary modified]: Interesting case report in woman aged 27 in 5th month of pregnancy. Differential diagnostic problems were solved by laparotomy. Appendectomy, right salpingectomy brought about uneventful recovery. Photograph of specimen. One Yugoslav and 7 Western references.

1/1

BJUKIC, B.

BJUKIC, B. Use of aerial photography in forest management. p. 176.

Vol. 79, no. 5/6, May/June 1955

SUMARSKI

Zagreb, Yugoslavia

So: Eastern European accession Vol. 5 No. 4 April 1955

YUGOSLAVIA

Prof Dr B. TASOVAC, Dr N. CALIC and Dr D. GJURIC [Affiliation not given.]

"Two Cases of Congenital Myxedema Treated Early."

Belgrade, Medicinski Glasnik, Vol 17, No 2, Feb 63; pp 78-81.

Abstract Discussion of vital need to diagnose congenital hypothyroidism at earliest possible time; with 2 case reports, girls who started receiving thyroid replacement therapy at 5.5 and 3.5 months of age respectively; their IQs at age 5.5 and 6.5 years, were 91 and 67. The second one probably received too low a dose and was treated with interruptions. Eleven Western references.

1/1

BLEKTA, M.; HENDL, J.; KUCERA, E.; GJUNICOVA, J.

Role of nutrition in the prevention of pregnancy complications.
Cesk.gyn. 25[39] no.3:181-185 1960.

1. II.gyn.por.klin. KU v Praze, prednosta prof.dr. Sc. J. Lukas.
(PREGNANCY nutrition & diets)

G. JURDEVIC, D.

LUNG :

2250. DEHYDRATION OF WET GAS WITH NATURAL HYDRANTHITE. *Chem. Abstr.*
(Natta (Petroles, Zagreb), *Abstr.* 1954, vol. 8, 103-106). The author
thoroughly considers the conditions under which gas hydrates will form and
presents experimental data, showing the effect of adsorption of naturally
occurring adsorbents possessing satisfactory surface activities. Since the
effect of adsorption is strongly influenced by the rate of flow of the gas,
the choice of the correct contact time is important. The dehydration under
elevated pressures and industrially applicable space velocities is 100% until
the saturation of the adsorbent reaches 16-17% by weight. The properties of
the activated alumina used in this investigation are described and the
conditions of adsorption and reactivation processes are given.

GJURDJAN, Armen, kandidat lekarskych ved

Men in space. Letecky obzor 6 no.10:322-323 '62.

1. Vedecky komentator tiskove agentury Novosti.

English

Authors: G. P. 10, M. Iosav RISTIC and M. Iosav RASTIC, Institute of General
Medicine (Int-Inst. Med. A), Medical Faculty of University of Belgrade
Institute of Pathology, and Department of Pathology, Faculty of
Medicine, Belgrade, Yugoslavia; and Iosav RASTIC, Medical Faculty of Belgrade,
Belgrade.

English Summary of the Report

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol. 96, No. 10, Dec 52;
p. 97-100.

Abstract (English summary, modified): Case of female aged 51, acute
myocardial infarction, hospitalized after 2 weeks of rapidly increasing symptoms
of right heart insufficiency, sudden death from acute left pulmonary
infarction later. Paraneoplastic syndrome of multiple myeloma of breast
with multiple nodules in primary artery. Photograph of necropsy specimen
and 2 histomicrographs: 1 Soviet and 12 Western references.

GJURJEVIC, D.

HUNG.

Natural hydrargillite as an adsorbent for drying natural gas. D. Gjurjevic (*Nafte Zagreb*, 1934, 6, 105-108). Natural gas is dried by passing it through hydrargillite activated at 450-600°, under pressures of 1-10 atm, and at appropriate flow velocities. The adsorbent should be reactivated when its water content reaches 14-18%, by passing dry gas over it at 300-500°. H. Tauscius.

COUNTRY : YUGOSLAVIA

CATEGORY : Chemical Technology, Chemical Products and
 (Radiochem. and B. Processing of Natural)

ABS. JOUR. : RSKhim., No. 1 1960, No. 21, 16

AUTHOR : J. J. Jovanovic, D.; M. V. Vukobratovic, D.

TITLE : Investigation of the Kinetics of the
 Reaction

ORIG. PUB. : Zbornik (Jugosl.), 1960, 8, No. 1, 21-26

ABSTR CT : Kinetics of the reaction between
 the ions of Mn²⁺ and Mn³⁺ in the presence of
 Mn²⁺ ions in aqueous solution. The
 reaction is studied at various temperatures
 and concentrations of the reactants.
 The rate of reaction is measured by
 the method of stopped flow. The
 reaction is first order with respect to
 Mn³⁺ and second order with respect to
 Mn²⁺. The rate constant is determined
 at various temperatures. The
 activation energy is determined to be
 14.1 kJ/mole.

24* [infor normal procedure]

1/3

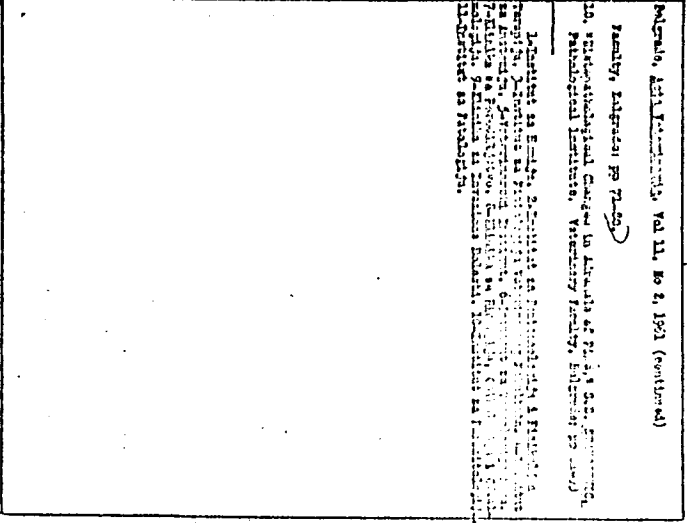
COLLECTION :
CATEGORY :
ANS. JOUR. : BARNER, No. 1 1970, No. 1
MAGAZINE :
ISSUE :
COST, EST. :
REMARKS :
1. This is a copy of the first issue of the journal "BARNER" published in 1970. It contains several articles and is a valuable historical document.
2. The journal is published by the [illegible] and is a quarterly publication.
3. The first issue contains the following articles:
- [illegible]
- [illegible]
- [illegible]
4. The journal is a valuable source of information on the activities of the [illegible] in the early 1970s.

Polymers, *Int. J. Polym. Sci.*, Vol. 11, No. 2, 1961 (continued)

Reaction of *Phenol* (p. 71-72)

10. *Photochemical Changes in Aromatic Polymers*, G. V. Schulz, *Angew. Chem.*, 73, 1961, 100-101.

11. *Photochemical Changes in Aromatic Polymers*, G. V. Schulz, *Angew. Chem.*, 73, 1961, 100-101.



30

GJURIC, Zvonimir, dr.

Athletic meniscus injuries and their treatment. Liječn. vjesn.
87 no.6:631-638 Je '65.

1. Iz Traumatološke bolnice u Zagrebu.

~~GJURIC-JAKOPEC, Zdenka~~
TRGO, Ante, Dr.; GJURIC-JAKOPEC, Zdenka

Sulfonamides in the treatment of diabetes mellitus. Liječ. vjes. 70
no.3-4:100-109 Mar-Apr 57.

1. Iz Centra za dijabetične i endokrine bolesti Dr. V. Vrbovac
Medicinska fakulteta u Zagrebu.

(CONTINUATION, lic. use

Montana, indic. (Ser))

BLEKTA M., BURICOVA J., LUKAS J.

Špravná výživa udrava a nemocne tehotne. [Nutrition in pregnancy]
Cesk. gyn. 15:4-5 1950 p. 227-37.

NAI

CECL 19, 5, Nov. 50

GJURICOVA, J.

25 years of the Prague dietary school. p.131

VYZIVA LIDU. (Spolecnost pro racionalni vyživu)
Praha, Czechoslovakia. Vol.14, no.9, Sept.1959

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

BLEKTA, M.; HENDL, J.; KUCERA, E.; GJURICOVA, Jirina

Preventive effect of nutrition on late gestosis. Cesk.gyn. 25
[39] no.3:198-202 1960.

1. II.gyn.por.klin. KU v Praze, predn.prof. Dr.Sc. Josef Lukas.
(PREGNANCY TOXEMIAS nutrition & diets.)

BRANKIĆ, Miroslav, dr.; STANIĆ-KOČIĆ, Fajon, dr.; BUKIĆIĆ, Branka;
ČIPIĆ, Boris, dr.; SLOVIĆ, Zorislav, dr.

A technique of narrow band serigraphy. Liječn. vješt. Br no.50
1961, 1961

1. Izjava za radiologiju i nuklearnu medicinu. Izdavanje
opšta Opće bolnice "Zr. Mladost" Beograd, 1961.

KATUNARIC, Dusko, dr.; PETROVIC, Ferdo, dr.; VIDOVIC, Mladen, dr.; GJURIN,
Boris, dr.; ZENIC, Vjekoslav, dr.

Our experience with the x-ray picture of the appendix. *Ijecn. vjesn.*
83 no.11:1151-1157 '61.

1. Iz Zavoda za radiologiju i Kirurskog odjela Opce bolnice "Dra M.
Stojanovica" u Zagrebu.

(APPENDIX radiog)

GJUROVIC, Dragutin, inz.

Equipping the ships with plastic pipes. Brodogradnja 14 no.3:
100-102 '63.

GJUROVIC, Miroslav (Zagreb)

Hydrology of dolinas in the Karst. Gradevinar 16 no.12:428-
432 D '64.

GJUROVIC, M.

"Channeling the overflow in Konavosko polje." p. 53. (Gradevinar. Vol. 9, no. 2, May 1953. Zagreb.)

SO: Monthly List of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1954.
Uncl.

GJUROVIC, Miroslav (Zagreb)

Hydrologic study and reclamation of Mostrasko Blato. Gradevinar
16 no.2:48-58 F '64.

GJUROVIC, O.

Tritium exchange rate of diethyl methylmalonate-t and diethyl methyl-d₃-malonate-t in buffered aqueous solutions; abstract. Glas Hem dr 27 no.9/10:517-518 '64.

1. The Ruder Boskovic Institute, Zagreb.

GJURKOVIC, P.M. [Durković, P.M.]; DACIC, Lj.M.

Micrometric measurements of double stars: made by a refractor
open 0.65 m. Bul Obs Beograd 24 no.1/2:1 '59. (published 1960)
(EEAI 9:9)

(Stars) (Yugoslavia--Astronomy)

GJURKOVIC, Pero M.
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: / not given /

Affiliation: / not given /

Source: Belgrade, Vasiona, No 1, 1961, pp 2-5.

Data: "Preparation for the Total Solar Eclipse and Results of Observations
on Feb. 15, 1961."

GLA, Odon

Three Years' activity of the Scientific Society of the Machine Industry; excerpts from a report. Jarmu mezo gep 8 no.4:156-160 Ap '61.

1. Gepipari Tudomanyos Egyesulet fotitkara; "Jarmuvek - Mezo-gazdasagi Gepek" szerkeszto bizottsagi tagja.

~~AUGUST, GLAB~~
GLAB, AUGUST

POLAND/Chemical Technology - Chemical Products and Their
Application, Part 3. - Chemical Wood Pulp
Industry, Hydrolysis Industry.

H-23

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22809

Author : August Glab, Jacek Wiackowski

Inst :

Title : Application of Gasoline Vapor Traps in Colophony Extrac-
tion Enterprises.

Orig Pub : Przem. drzewny, 1955, 6, No 8, 36

Abstract : No abstract.

GREGORCZYK, Janusz; LEWANDOWSKA-TOKARZ, Anna; STANOSZEK, Jozef; GLAB,
Maria.

Studies on acoustic stress with the effect of simultaneous horizontal mechanical low-frequency vibrator on biochemical changes in guinea pigs. Med. pracy 16 no.2:124-129 '65.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

L 10465-66 EWT(1)/FS(v)-3 DD

ACC NR: AP5027187

SOURCE CODE: PO/0056/85/016/005/0709/0714

32
B

AUTHOR: Gregorczyk, J. - Gregorohik, Ya. (Member of physiological chemistry dept.);
Lewandowska-Tokarz, A. - Levandovska-Tokazh, A. (Member of physiological chemistry
dept.); Stanosek, J. - Stanosek, Ya. (Member of physiological chemistry dept.); Glab, M. -
Glomb, M. (Member of physiological chemistry dept.)

ORG: Department and Institute of Physiological Chemistry, Silesia AM, Zabrze-Rokitnica
(Katedra i Zaklad Chemii Fizjologicznej Sl. AM)

TITLE: The effects of physical work and work under conditions of ²noise and ²vibration ²on the
human organism. II. Behavior of aspartic and alanine aminotransferase, Gamma-glutamyl
transpeptidase, lactic dehydrogenase, and L-tyrosine dehydrogenase activities

SOURCE: Acta physiologica polonica, v. 16, no. 5, 1965, 709-714

TOPIC TAGS: human physiology, working condition, man, medical experiment, biologic
vibration effect, noise effect

ABSTRACT: An experiment was performed on 49 workers employed in a large industrial
establishment in Silesia to study the effects of stress on the human body. Of these, 25 worked
under stress of noise, vibration, and dust, and the remaining 24 were employed as
designers working without noise or vibration. A statistical evaluation of the results showed a
26% increase in the activity of aspartic transaminase and a statistically significant decrease

L 10465-66

ACC NR: AP5027167

in the activity of lactic dehydrogenase (-36%) in the workers subjected to stress. The increase in transaminases is considered as a possible increase in the transamination process in workers subjected to stress. Orig. art. has: 1 table. [08]

SUB CODE: 06 / SUBM DATE: 29Dec64 / OTH REF: 017 / ATD PRESS: 4167

HW
Card 2/2

DLUGOSZ, Aleksander; GLAB Ryszard

Influence of the thermal conditions on the state of the heads of
PWR type coking chambers. Koks 9 no.2:45-49 Mr-Apr '64.

1. Department of Coking. School of Mining and Metallurgy. Krakow
(for Dlugosz). 2. Coke Chemistry Department of the Lenin Steel Works,
Nowa Huta (for Glab).

DLUGOSZ, Aleksander; GLAB, Ryszard; NOWAK, Piotr

Analysis of the causes of breaking of the transverse rods in the PWR type coke oven batteries. Koks 9 no. 5:77-81 Gy-Je '64.

1. Department of Coking Industry, School of Mining and Metallurgy, Krakow (for Dlugosz); 2. Coke-Chemical Institute, Lenin Works, Nowa Huta (for Glab); 3. Central Laboratory, Lenin Works, Nowa Huta (for Nowak).

GLAB, wieslaw, mgr inz.; JEWANSKI, wieslaw, mgr inz.

Rock landslide in the construction of a hydrotechnical structure
on Klysch. Gosp. radna 24 nr. 3:102-108 Nr 164.

ABRAMOVICH, A.D., kand. tekhn. nauk; AMTCHEV, M.F., kand. tekhn. nauk; KAPLAN, G.A., inzh.-ekonomist; LEVIN, S.M., inzh.-zemleustroitel'; LISTENGURT, F.M., kand. geogr. nauk; SAMOYLOV, Ya.M., kand. tekhn. nauk; SMOLYAR, I.M., kand. arkhitek.; SOLOPNIKO, N.A., kand. arkht.; STELIGOV, V.E., kand. arkht.; FALEYEV, V.G., inzh.; Prinimali uchastiye: BUTUZOVA, V.P.; GLABINA, E.K.; GOL'BSHTEYN, A.M.; DERYANOVSKIY, V.S.; KAPLAN, G.L.; FEDOTOVA, N.A.; TSEYTLIN, G.I.; BURLAKOV, N.Ya., red.; KOMPANEYETS, Z.N., red. izd-va; GOLOVKINA, A.A., tekhn. red.

[Regional planning of economic administrative regions, industrial regions and centers; planning guide]Raionnaya planirovka ekonomicheskikh administrativnykh raionov, promyshlennykh raionov i uzlov; rukovodstvo po proektirovaniyu. Pod red. N.I.A. Burlakova. Moskva, Gosstroizdat, 1962. 266 p. (MIFA 15:10)

1. Akademiya stroitel'stva i arkhitektury SSSR, Institut gradostroitel'stva i raionnoi planirovki. 2. Zamestitel' direktora po nauchnoy rabote Nauchno-issledovatel'skogo instituta gradostroitel'stva i rayonnoy planirovki (for Burlakov). 3. Nauchno-issledovatel'skiy institut gradostroitel'stva i rayonnoy planirovki (for Butuzova, Glabina, Gol'bshteyn, Deryanovskiy, Kaplan, Fedotova, Tseytlin). (Regional planning)

GLABISZ, K.

Dangerous documents; marginal remarks on the capture of German maps in
1939 and 1940. P. 55
BELLONA. (Instytut Historyczny im. Gen. Sikorskiego) London.
No. 2, Apr./June 1955

SOURCE: EMAL LC Vol. 5, no. 7, July 1956

GLAPISE, K.

August memories. P. 14
WELDONA. (Instytut Historyczny im. Gen. Sikorskiego) London.
No. 4, Oct./Dec. 1955

SOURCE: HEAL LC Vol. 5, No. 7, July 1956

GLAHISZ, K.

GLAHISZ, K. The Pentagon at the crossroads. p. 24.

No. 3, July/Sept. 1956.

BELLONA
MILITARY & NAVAL SCIENCES
London

So: East European Accession, Vol. 6, No. 2, Feb. 1957

GLABISZ, K.

GLABISZ, K.

Marksizm-Leninizm o wojnie, wojsku i nauce wojennej (Marxism-Leninism on war, the Army, and the Science of War); a book review.

P.94 (Bellona) No. 2, Apr./June 1957, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

GLABISZ, U.

Titrimetric method of determining sulfur in pyrites and pyrite cinders. p. 493.
(PRZEMYSŁ CHEMICZNY, Vol. 10, No. 9, Sept. 1954, Warszawa, Poland)

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

REVISIT, "REVISIT A"

Enclosure. Incubation. ... regulation. ... "
... ..
... ..

GLABISZ U

POLAND/Inorganic Chemistry. Complex Compounds.

C

Abs Jour: Ref Zhur-Khin., No 24, 1958, 80953.

Author : Kapitanczyk K., Glabisz V.

Inst :

Title : Thallium Containing Compounds.

Orig Pub: Reczn. chem., 1956, 30, No 2, 385-397.

Abstract: In proving amphoteric properties of Tl^{3+} , its complexes with various metals were prepared: Ag_3TlO_3 , $AgTlO_2$, $Ag_4Tl_6O_{11}$, $Ag_4Tl_2O_5$, $Ag_3Tl_4O_7$, Na_3TlO_3 , $NaTlO_2$, $Na_6Tl_4O_9$, $Na_4Tl_6O_{11}$, $KTlO_2$, $K_2Tl_4O_7$, Li_3TlO_3 , $LiTlO_2$, $Li_6Tl_4O_9$, $Mg_3(TlO_3)_2$, $Mg(TlO_2)_2$, $Mg_3Tl_4O_9$, $Ca_3Tl_2O_5$, Ca_4Tl_3O , $Ca(TlO_2)_2$, $Ba_3Tl_4O_9$, $Ba_2Tl_2O_5$, $Sr(TlO_2)_2$, $Sr_3Tl_4O_9$, $Sr_2Tl_6O_{11}$, $Sr_2Tl_4O_5$, $SrTl_4O_7$, Tl_3TlO_3 , $TlTlO_2$, $Tl_6Tl_4O_9$, $Tl_4Tl_6O_{11}$, $Tl_7Tl_2O_5$, $Tl_2Tl_4O_7$. The

* $Li_4Tl_2O_5$,

Card : 1/2

POLAND/Inorganic Chemistry. Complex Compounds.

C

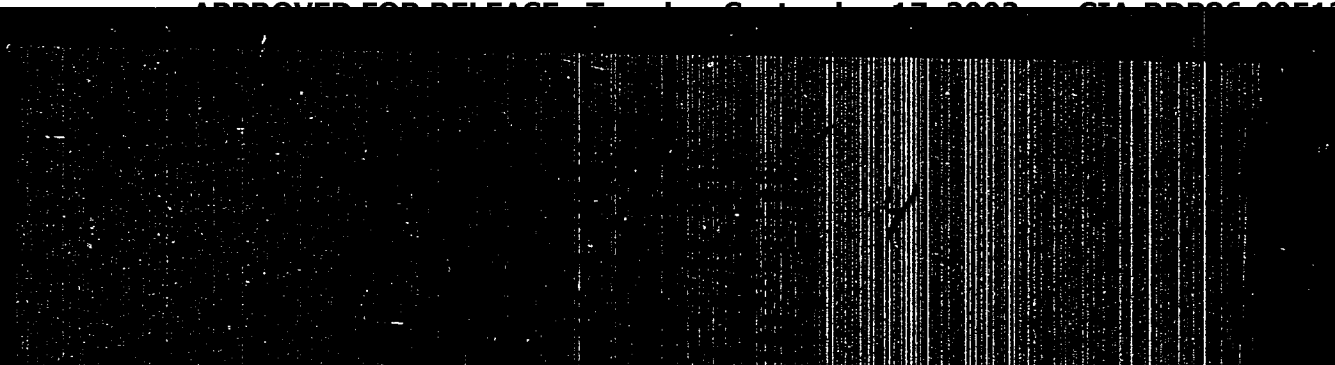
Abs Jour: Ref Zhur-Khin., No 24, 1958, 80953.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R005



COONER :
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Elements. Oxides. Mineral Acids.*
ABS. JOUR. : RZhKhim., No 19, 1959, No. 68438
AUTHOR : Staniak, U.
ORIG. PUB. : Przem. chem., 1958, 37, No 12, 781-784

ABSTRACT : It is established that in the addition of NaCl the reduction of NaClO_2 to ClO_2 is intensified with the aid of SO_2 in the H_2SO_4 medium. This method is the intermittent manufacture of ClO_2 in concentrated chloride solutions as well as in the continuous manufacture from dilute solutions. The calculations indicated that in the addition of NaCl, the yield of ClO_2 (based on the reacted

*Ing. S. Sits.

**Reduction to Chlorine Dioxide with the Aid of Sulfur Dioxide.

Cont:

1/2

MINCZEWSKI, Jerzy, prof., dr. (Warsaw, ul.Koszykowa 75, Poland); GLABISZ,
Ursula, Mgr. (Szczecin, ul.Putaskiego 10, Poland)

Chlorite as oxidizing agent in volumetric analysis; effect of sodium chlorite as oxidizing agent. Determination of iodides. Acta chimica Hung 32 no.2:133-143 '62.

1. Technische Hochschule, Warsaw, Abteilung fur Analytische Chemie und Technische Hochschule, Szczecin, Abteilung fur Anorganische Chemische Technologie.

GLABISZ, Urszula, dr; MINCZEWSKI, Jerzy, prof. dr

Use of chlorite in analytical chemistry. Pts. 1-2. Chem anal 9
no.1:131-150 '64.

1. Department of Inorganic Chemical Technology, Technical University,
Szczecin (for Glabisz). 2. Department of Analytical Chemistry,
Technical University, Warsaw (for Minczewski).

PTA

GLABISZOWNA, U.

6

1172 545 2 . 546 185-31 04 . 631 85
Kaminarski A. Glabiszowna U. Rapid Titration Method for Determining P_2O_5 in Samples of Superphosphate and „Supertomasyna”
„Szybka miarreckowa metoda oznaczania zawartosci P_2O_5 w probkach superfosfatu i supertomasyny” Przemysl Chemiczny No 1. 1951. pp. 24-29. 2 figs

The authors submit a volumetric method for quantitative determination of P_2O_5 , the accuracy of which is very similar to the gravimetric methods. Cheapness of the method (cheap reagents, expensive quantitative filters are not necessary), simplicity (long combustion is omitted) and rapidity make this method specially useful in technical laboratories of the fertilizer industry. The time saved by this method as compared with the gravimetric methods is about 58% in the case of superphosphate and 64% in the case of „supertomasyna” containing phosphorus.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

~~CIA-RDP86-00513R0005~~

GLABISZOWNA, URSZULA

Poland

CA: 47:12075

with KAZIMIERZ KAPITANCZYK

Eng. Inst., Poznan, Poland

"Silver thallates and thallium thallates."

Roczniki Chem. 25, 417-25 (1951) (German summary).

USSR / Human and Animal Physiology (Normal and Pathological).
Digestion.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60441

Author : Brailski, Kh.; G"labov, T.

Inst : Not given

Title : Effect of the Juice of Fresh and Dehydrated Cabbage on
Gastric Secretion and Motility

Orig Pub : Vopr. pitaniya, 1957, 16, No 4, 19-26

Abstract : In the majority of patients with different ailments, the juice of fresh or dehydrated cabbage (150, 200 and 250 ml.) raised considerably the secretion and acidity of the gastric juice, and increased the strength and frequency of peristalsis (maximum after an hour). Cabbage juice is a stronger irritant than a coffee breakfast or mechanical irritation of the stomach. The juice is recommended as a therapeutic agent in hypoacidity, low peristalsis and gastric atonia.

Card 1/1

TASHEV, T.; BRAILSKI, Khr.; GⁿLABOV, T.; OBRETEANOVA, N.

Therapeutic effect of the preparation, ulkozin in peptic ulcer
and chronic gastritis. Vop. pit. 20 no.4, 40-45 J1-Ag '61.

(MIRA 14:7)

1. Iz kafedry gastroenterologii i diyetetiki (zav. - prof. T. Tashev)
Instituta spetsializatsii i usovershenstvovaniya vrachey, Sofiya,
Bolgariya.

(~~STOMACH~~-DISEASES)

(~~SESAME~~-THERAPEUTIC USE)

GLAC, F.

CZECH

The determination of carbon monoxide traces in mine gases. Ferdinand, Orel, *Patent 145-8(1953)*. --A description was made of the classical method for determining CO in mine gases, including O₂ and other app. CO is oxidized over cryst. I₂O₅ in a vertical tube electrically heated at 190°. Free I₂ is absorbed in excess of 0.002 N Na₂SO₃ and back-titrated with 0.0005N Na₂S₂O₈. J. L.

GMG, F.

Measuring dust concentration in mines.

P. 341. (UMLI.) (Prana, Czechoslovakia) Vol. 7, No. 10, Oct. 1957

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

SIAC, R.

FROM: R

periodicals: SIAC, Vol. 1, no. 1, Dec. 1958

SIAC, R. "Procedures concerning acquisition of transportation in
rines." p. 487.

Monthly List of East European Acquisitions (MEM) of Vol. 1, no. 1
1958, unclass.

GIAC, Miroslav, inz.

Experiences in using millisecond electric detonators (DEM) for large blasts in underground ore mining. Study 13 no.1:1-5 Ja '65.

1. Rudne bane National Enterprise, Kremnica.

GLACHENOV, T. G.

USSR/Chemistry - Aromatic Hydrocarbons Apr 51

"Study of the Process of Separating Xylene Isomers
by the Adsorption Method," T. G. Glachenov, I. A.
Kuzin

"Zhur Prik Khim" Vol XXIV, No 4, pp 421-432

In study of absorption properties of carbon, silica
gel and ferrogel on vapor of xylene isomers and
ethylbenzene, and in examn of effect of concn, of
proportion of xylene isomers in vapor-air mixts,
and of rate of flow on deg of sepn of 2- and 3-
component mixts, found mixt of ortho- and meta-
xylene is separable by adsorption method.

182T45

SOV/65-58-9-7/16

AUTHORS: Gol'dshteyn, A. L.; Stasinevich, D. S.; Petrova, Ye. N.;
Gladchenko, A. F.

TITLE: Comparing the Effectiveness of Additives which Prevent
the Sedimentation of Lead Deposits in Ethylated Petrols.
(Sravneniye effektivnosti prisadok, predotvrashchayushchikh
vypadeniye svintsovykh osadkov iz etilirovannykh benzinov)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, No 9,
pp 35 - 37, (USSR)

ABSTRACT: Anti-oxidants such as 2,4,5-trialkylphenols and N-substi-
tuted paraminophenols are used predominantly for this
purpose; parahydroxydiphenylamine (N-phenylparaminophenol)
(Ref. 1 and 2) are used in the USSR and N-butylparamino-
phenol and 2,6-di-tert.-4-methylphenol (DMF) in the USA
and other Western countries. The authors compared the
effectiveness of DMF and of parahydroxydiphenylamine as
stabilisers preventing the sedimentation of lead deposits
in ethylated aviation fuels. Their effect as inhibitors
was also tested. Samples of the fuel were heated in
sealed glass ampules over a water bath. The concentration
of the stabiliser was so adjusted that its concentration
in the fuel = 0.002, 0.004 and 0.009%. Data on the
effectiveness of the investigated stabiliser in various

Card 1/2

307/35-58-9-7/16

Comparing the Effectiveness of Additives which Prevent the Self-oxidation of Lead Deposits in Ethylated Petrols.

types of fuel is given in Table 1. When small quantities of BIF were added the time of stabilisation increases. Table 2: data on the stability of fuel mixtures containing equal quantities of BIF and parahydroxydiphenylamine. The fuels were mixed in the ratio 1:1. It was concluded that the addition of 0.004% of BIF ensures high stability (time of stability against separation of deposits exceeds 24 hours). At equal concentration, parahydroxydiphenylamine is more efficient than BIF. It was also found that increased activity resulted when the two anti-oxidants were added to the fuel. There are 2 Tables and 7 References: 4 Soviet and 3 English.

1. Fuel additives--Effectiveness
2. Antioxidants--Performance
3. Lead deposits
4. Combustion chambers--Deposits

TEPINKICHYEV Vladimir Kirpovich, kand. tekhn.nauk, prof.; FUSTYNNIKOV,
Vasily Grigoriyevich, kand. tekhn.nauk, docent; MUDRETSOV Gennadiy
Ivanovich, staryiy prepodavatel'; GLADCHENKO, Aleksandr Georgiyevich,
aspirant

Electrical drive of the automatic control system of a vertical drilling
machine. Izv.vys.ucheb.zav., elektromekh. 8 no.9:998-1001 '65.

(MIRA 18:10)

1. Zaveduyushchiy kafedroy metallorazbushchivki stroyeniya i
instrumentov. preresit R po nauchnoy rabote Rostovskogo-na-Donu
instituta sel'skokhozyaystvennogo mashinostroyeniya (for
Tepinkichyev). 2. Zaveduyushchiy kafedroy elektrotekhniki
Rostovskogo-na-Donu instituta sel'skokhozyaystvennogo mashinostroyeniya
(for Fustynnikov). 3. Kafedra elektrotekhniki Rostovskogo-na-Donu
instituta sel'skokhozyaystvennogo mashinostroyeniya (for Mudretsov,
Gladchenko).

GEADSHENKO, S.G., 1928, KRYLOV, S.V., 1928, VECHERY, S.O., 1910.

nitrocellulose mold making. Mashinostroenie no.2:
47-18 Mr-Ap 1961. (MIRA 18-6)

GLADCHENKO, A.T., kand. med. nauk

Treatment of the stump of a resected pancreas. Zdrav. Belor. 5 no.3:
45-48 Mr '59. (MIRA 12:7)

1. Kafedra fakul'tetskoy khirurgii Vitebskogo meditsinskogo instituta.

(PANCREAS--SURGERY)

GLADCHENKO, A.T., kand.med.nauk; NIKITINA, N.M.

Case of coccidioidomycosis. Khirurgiia 37 no.3:117-119 Mr '61.
(MIRA 14:3)

1. Iz kliniki obshchey khirurgii (i.o. zav. - kand.med.nauk
A.T. Gladchenko) Blagoveshchenskogo meditsinskogo instituta.
(COCCIDIOIDOSIS)

GLADCHENKO, A. Ya.

~~OTREPL. Vol. 5 No. 1 Jan. 1952~~

Korolev, V.G. and Gladchenko, A.Ya. (Institute of Geology, Kirgiz Branch, U.S.S.R. Academy of Sciences). The discovery of Ordovician fauna in the so-called "later deposits of the supposed Devon" in the Tersket Alatau Ridge (Fyan'-Shan'). 979-80

Akademiya Nauk, S.S.S.R., Doklady Vol. 78, No. 5 - 1951

GLADCHENKO, A.Ya.; KOROLEV, V.G., otvetstvennyy redaktor; SHREBRYAKOV,
V.I., tekhnicheskiy redaktor

[Field atlas for the principal brachiopods of the lower
Carboniferous of Northern Kirghizistan] Polevoi atlas
rukovodiashchikh brachiopod nizhnego karbona Severnoi Kirgizii.
Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1955. 30 p.
28 plates. (MLRA 10:4)
(Kirghizistan--Brachiopoda, Fossil)

GLADCHENKO, A.Ya.; KOROLEV, V.G., otv. red.; MANOKHIN, P.G., red.
izd-va; USPANOV, Zh.Ye., tekhn. red.

[Brachiopods and stratigraphy of the Lower Carboniferous in
the region of Lake Son-Kul' of Kirghizia] Brakhiopody i stra-
tigrifiia nizhnego karbona Prisonskul'skogo raiona Kirgizii.
Frunze, Akad. nauk Kirgizskoi SSR, 1960. 211 p.

(MIRA 15:9)

(Son-Kul' Lake region--Brachiopa, Fossil)
(Son-Kul' Lake region--Geology, Stratigraphic)

GLADCHENKO, F., redaktor; KARPINOVICH, Ya., tekhnicheskii redaktor.

[Mastery of new techniques in the Belorussian lumbering industry]
Osvoenie novoi tekhniki v lesozagotovitel'noi promyshlennosti
Belorusii. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry,
1951. 116 p. (MLBA 8:2)

1. Vsesoyuznoye nauchnoye inzhenerno-tekhnicheskoye obshchestvo
lesnoy promyshlennosti i lesnogo khozyaystva. Belorusskoye otdeleniye.
(White Russia--Lumbering)

~~GLADCHENKO, G.~~

Preparing the S-6 combine for harvest. Post. dele 3 no. 2:6 Sl '57.
(MLRA 10:8)

1. Glavnyy inzhener zernosovkhoza "Samarakiy," Amurskaya oblast'.
(Combines (Agricultural machinery))

GLADCHENKO, L.F.; KOSTKO, M.Ya.; PIKULIK, L.G.; SEVCHENKO, A.N.

Duration of the excited state of ultraviolet fluorescence of
aromatic amino acids. Dokl. AN BSSR 9 no.10:647-650 0 '65.
(MIRA 18:12)

1. Institut fiziki AN BSSR. Submitted May 22, 1965.

GLADCHENKO, I.P.; DOBKIN, R.D.; KOKIN, A.D.

Building structures and products made of plastics. Plast.massy
no.9:22-30 '60. (MIRA 13:11)
(Plastics) (Building materials industry)

87436

S/19:/60/000/010/010/010
B003/B060

15 8340

AUTHORS: Kabalinskaya, M. P., Gladchenko, I. P.

TITLE: Honeycomb Plastics, Their Properties, Methods of Their Production, and Their Fields of Application

PERIODICAL: Plasticheskiye massy, 1960, No. 10, pp 42-46

TEXT: This report deals with properties of honeycomb plastics on paper, cotton tissue, and glass fabric base. Products on paper base are said to be preferable because of their inexpensiveness. The following data are supplied for various resins, paper type WT-63 (IP-63) and 7-mm large cells:

	Bitumenous varnish 177	Carbamide resin type MFF (MFF)	Phenolformal- dehyde varnish P-21 (R-21)	Epoxy resin type ED-5 (ED-5)
compressive strength kg/cm ²	1	3.4	7.7	6
weight by volume, g/cm ³	0.04	0.07	0.096	0.12
water absorption, %	10	3	1.5	1.1

Card 1/4

87436

Honeycomb Plastics, Their Properties, Methods
of Their Production, and Their Fields of
Application

S/191/60/000/010/010/017
B004/B060

The cells impregnated with phenol formaldehyde varnish are too brittle, and epoxy resin is too expensive. Carbamide resin was therefore preferred. Paper impregnated therewith does not burn any further, once it is removed from the flame. Brittleness can be reduced by diluting the resin with water, but stability is then impaired. Less brittle material is obtained with MΦ-17 (MF-17) carbamide resin. Honeycomb plastics from IP-65 paper and MFF resin retain their stability after seven days of standing in water. The compressive strength differs depending on the direction of stress. The following values are given for 5 mm cells (in kg/cm²): 12-14 parallel to the wall of cell; 1.15 in perpendicular to the side of cell, and 0.5 in perpendicular to the edge of cell. For cotton plastics with R-21 varnish the compressive strength parallel to the cell wall amounts to 70-80 kg/cm², for glass reinforced plastics with ED-5 resin 90-100 kg/cm². Tests conducted jointly with the nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti (Scientific Research Institute of Refrigeration Industry) yielded for honeycomb plastics with 7-mm cells a coefficient of heat conductivity of 0.083 kcal/m h.°C parallel to the cell wall, and of 0.037 kcal/m h.°C perpendicular to the cell wall. At

Card 2/4

27436

Honeycomb Plastics, Their Properties, Methods of Their Production, and Their Fields of Application

S/101/00/000/010/0001
R001/0000

addition of aluminum powder leads to a further reduction of heat conductivity due to heat reflection. A test for stability to frost (-30°C, thawing at 100% air humidity) proved the stability of the material. A method for the continuous production of such a material was worked out at the NIIPM (Scientific Research Institute of Plastics). Honeycomb plastics are used as insulating materials in the building industry. They are produced by profiling the paper by means of chilled rolls, gluing, stretching, and drying. The following types were experimentally produced and respective data are given:

type	compressive strength parallel to cell wall kg/cm ²	weight by volume g/cm ³
ИП-63-7-Б177 ^{а1} (IP-63-7-B177 ^{al})	1.0	0.044
ИП-63-12-Б177 ^{а1} (IP-63-12-B177 ^{al})	0.5	0.023
ИП-63-5-МФФ (IP-63-5-MFF)	12	0.1
ИП-63-7-МФФ (IP-63-7-MFF)	4.3	0.07
ИП-63-12-МФФ (IP-63-12-MFF)	2.7	0.04

Card 3/4

89136

Honeycomb Plastics, Their Properties, Methods
of Their Production, and Their Fields of
Application

S/131/60/000/010/010/017
B004/B050

type		compressive strength parallel to cell wall kg/cm ²	weight by volume g/cm ³
B-5-P-21	(B-5-R-21)	80	0.05-0 08

There are 12 figures, 3 tables, and 2 non-Soviet references.

FEDOROV, V.N.; GLADCHENKO, I.P.; AUDRING, V.V.; DOBRYAKOV, B.N.

Equipment and methods of manufacturing articles from glass reinforced plastics by the spraying method. Plast.massy no.7:54-58 '61. (MIRA 14:7)

(Glass reinforced plastics)

NIKOLAYEV, A.N.; GLADCHENKO, I.P.; NAZAROV, V.A.

Designing yourtas (nomad's tents) of synthetic materials. Plast.
massy no.12:46-50 '62. (MIRA 16:1)
(Synthetic fabrics) (Kazakhstan--Tents)

NIKOLAYEV, A.N.; GLADCHENKO, I.P.; NESVETOV, N.V.; YEGEREV, V.N.

Experience in the use of plastics in construction. Plast.massy
no.10:55-59 '63. (MIRA 16:10)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000
~~APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005~~

NIKOLAYEV, A.N.; GLADCHENKO, I.P.; BIRGAUZ, G.O.; DOBKIN, R.D.; SPEKTR, E.I.

Window casements made of glass plastics. Plast. massy no.7:60-63 '65.
(MIRA 18:7)

GLADCHENKO, L. F.

PLAZA I BOOK EXHIBITION 909/4973
Sovetskoye po Lyubitovskoy, 5th, 1973

Method of Analytical Chemistry, Materials Chemistry (Methods for Luminescence Analysis) Materials of the 2nd Conference, Minsk, 14-16th April, 1968. 117 p. 1,000 copies printed.

Sponsoring Agency: Akademiya Nauk Belorusskoy SSR, Institute of Chemistry, Minsk.

General Ed.: E. A. Borisenko; Ed.: L. Slavovaya; Tech. Ed.: I. Shcherba.

CONTENTS: The collection contains 2 papers read at the 2nd All-Union Conference on Luminescence, which took place in Minsk, October, 1967 (134-135).

The first paper, by L. F. Gladchenko, is devoted to the study of the luminescence of some liquid solutions of organic compounds, particularly with the development of new liquid solutions for the detection of lead, cadmium, bismuth, and other elements, as well as luminescence methods for the determination of organic amines, organic acids, and other elements. The second paper, by L. F. Gladchenko and V. K. Malyukov, is devoted to the study of the luminescence of some liquid solutions of organic compounds, particularly with the development of new liquid solutions for the detection of lead, cadmium, bismuth, and other elements, as well as luminescence methods for the determination of organic amines, organic acids, and other elements. There is a discussion of the contributions of Soviet specialists in molecular luminescence in the course of the past and a half preceding the conference. The articles of L. F. Gladchenko and V. K. Malyukov (p. 135) and of V. K. Malyukov (p. 137) have been translated because of their importance for the study of luminescence. References accompany most of the articles.

* Babushkin, Ye. A. Testing the Fluorescence Properties of Phosphores in Inorganic Compounds. [All-Union Scientific Research Institute of Chemical Reagents]. Open for Fluorescence Microscopy 71

Makaryuk, V. E. [Institute of Organic Chemistry, Leningrad University, Leningrad]. Preparation and Properties of Orange-red II 6-(8-Dimethylaminoethylidene)-2-Naphthol. Onzole-3 Luminescence 75

The author reports on his synthesis of an orange-red luminescent compound which exhibits an orange-red luminescence at 610 mμ in response to ultraviolet light. The new luminescent compound is a derivative of the 6-(8-dimethylaminoethylidene)-2-naphthol. The electric and electronic transitions of the compound in the solution and in the solid state are studied. The compound is, in some cases, simpler and more sensitive than the standard methods of mass spectrometry.

Polivkova, V. V., and V. K. Malyukov. [Institute of Organic Chemistry, Leningrad University, Leningrad]. Synthesis of Orange-red Luminescent Compounds. The method of luminescence and fluorescence spectroscopy is used to study and differentiate the compounds. The authors state that this method has been used in the study of the luminescence of various compounds. The authors state that this method has been used in the study of the luminescence of various compounds.

Polivkova, V. V., Ye. A. Galushina, E. A. Samoilova, and V. K. Malyukov. [Institute of Organic Chemistry, Leningrad University, Leningrad]. Luminescence of Orange-red Luminescent Compounds. Utilization of Ultraviolet Rays in Paper Chromatography 81

Polivkova, V. V., M. A. Gontchikova, and L. F. Gladchenko. [Institute of Organic Chemistry, Leningrad University, Leningrad]. Effect of Absorbed Water on the Luminescence of Cellulose Materials. Card 6/10 89

S/058/61/000/009/015/050
A001/A101

AUTHORS: Yermolenko, I.N., Gavrilov, M.Z., Gladchenko, L.F.

TITLE: Effect of adsorbed water on luminescence of cellulose materials

PERIODICAL: Referativnyy zhurnal. Fizika, no. 9, 1961, 101, abstract 9V204 (V
sb. "Metody lyuminescentn. analiza", Minsk, AN BSSR, 1960, 83-86)

TEXT: It was discovered that adsorption of water, especially at low vapor pressure, reduces the intensity of fluorescence of rhodamine 6Ж(6Zh) adsorbed on cellulose. At transition to capillary condensation of water the further intensity drop is insignificant. The authors propose to utilize the phenomenon discovered for developing a method of checking the content of adsorbed water in cellulose during its drying. Besides rhodamine other luminescent dyestuffs (auramine, tryptaflavine) can be used for this purpose.

A. Shablya

[Abstracter's note: Complete translation]

Card 1/1

S/201/63/000/001/006/007

D234/D308

~~GLADCHANKA, L.F.~~
AUTHORS: ~~Glachanka, L.F.~~ and Pikulik, L.R.

TITLE: Study of the electron spectra of organic molecules in dispersing media

PERIODICAL: Akademiya navuk Byelaruskay SSR. Vvestsi, Syeryya fizika-tekhnichnykh navuk, no. 1, 1963, 52-58

TEXT: The authors investigate the temperature dependence of fluorescence and absorption spectra of phthalimides. Graphs of the spectra are given for + 20°C and - 170°C (also - 175, - 177, - 135°C). The solvents were diokan, n-hexane and chlorobenzene. Three basically different cases of displacement were found: 1) the frequencies of luminescence maxima and absorption spectra vary in the same way, 2) luminescence spectra are considerably changed, absorption spectra remain nearly the same, 3) there is no variation with cooling. There are 7 figures.

L 9860-63

Pr-4--RM/WW/MAY/IJP(G)

EWP(j)/EPF(c)/EWT(l)/EWT(m)/BDS--AFFIC/ASD/ESD-3/SSD--Pc-1/

ACCESSION NR: AP3001354

S/0048/63/027/006/0768/0762

AUTHOR: Pikulik, L. G.; Gladchenko, L. F.

77
72

TITLE: Influence of temperature on the luminescence of complex molecules in different media [Report of the Eleventh Conference on Luminescence held in Minsk from 10 to 15 September 1962]

SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v. 27, no. 6, 1963, 753-762

TOPIC TAGS: luminescence of complex molecules, phthalimides, absorption of solutions, luminescence of solutions

ABSTRACT: Investigation of the temperature dependence of different characteristics of luminescence is important from the standpoints of elucidating the properties of fluorescing molecules and determining the nature of intermolecular interactions in condensed media. The solvents used in such investigations may be divided into two classes: those vitrifying and those crystallizing at low temperatures. In the present work there are considered the temperature dependences of a number of phthalimides in vitrifying solvents.

Card 1/3

7

L 9860-63
ACCESSION NR: AP3001354

4

Most of the phthalimides were identical with those investigated earlier by the authors; the solvents were ethyl and isobutyl alcohols, glycerol, n-hexane, n-octane, dioxane, ethyl ether and chlorobenzene. A major difficulty in obtaining absorption spectra stems from the fact that upon freezing the solution form a snow-like mass in which scattering is comparable to absorption; hence the absorption spectra were obtained by the method of diffuse reflection. For phthalimide and N-methylphthalimide some structure is discernible in the absorption spectra at room temperature; upon cooling, instead of becoming sharper, the structure is smeared out; no structure was observed for the other investigated phthalimides. On the basis of the temperature dependences the substances can be divided into two classes: 1) those in which both the absorption and fluorescence peaks exhibit a red shift upon cooling and 2) those in which the fluorescence changes, while the absorption spectrum remains the same. For most but not all the investigated substances the reciprocal of the polarization varies linearly with the temperature divided by the viscosity. The quantum efficiency and lifetime of the excited state appear to vary in the same way with temperature. "In conclusion the authors express their gratitude to V. V. Zelinskiy and I. I. Reznikova for making the phthalimides available and to V. D. Tkachev and I. L. Belayts for performing some of the measurements of the temperature dependences of the excited

Card 2/3

L 9860-63

ACCESSION NR: AP3001354

state lifetimes and yields." Orig. art. has: 1 equation and 3 figures.

ASSOCIATION: Institut fiziki Akademii nauk BSSR (Institute of Physics, Academy of Sciences, BSSR)

SUBMITTED: 00

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: PH,CH

NR REF SOV: 014

OTHER: 001

ja/nh

Card 3/3

GLAUCHENKO, L.F.

Electron spectra of the crystalline state of phthalimides.
Dokl. AN BSSR 8 no. 1:29-32 Ja '64. (MIRA 17:5)

1. Institut fiziki AN BSSR. (prezidentskaja akademiya) M. P. Sh.
A.M. Sevchenko.

Card 1/3

REF ID: A67001200

... respectively; ϵ -- static dielectric constant of the medium, ϵ_0 -- relative permittivity of the medium extrapolated to zero frequency; a -- parameter of ...

L 20225-65

ACCESSION NR: AF5001200

2

molecule, respectively, ϵ -- static dielectric constant of the medium, n -- refractive index of the medium extrapolated to zero frequency, a -- parameter of the given molecule, c -- velocity of light, h -- Planck's constant, τ -- lifetime of the excited molecule, and τ_r -- relaxation time of the solvent molecule. An analysis of this formula shows that the frequency difference becomes appreciable on going from low temperatures to room temperatures, owing to orientational effects. The calculations of the dipole moments by this formula were made by using data on the temperature shift of the spectra in isobutyl alcohol in the temperature range from +20 to -196C. The results are listed in Table I of the enclosure. The data are compared with those obtained by others and some of the causes for some of the discrepancies are discussed. The authors thank Academician AN BSSR A. N. Sevchenko for continuous interest in the work. This report was presented by A. N. Sevchenko. Orig. art. has: 1 table and 1 formula.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

SUBMITTED: 29Dec63

ENCL: 01

SUB CODE: OP

NR REF SOV: 008

OTHER: 003

Card 2/3

Table 1. Dipole moments and electron level shifts of phthalimide derivatives

Substance	$\nu_{\text{C=O}}^{\text{calc}}$	$ \nu_{\text{C=O}} - \nu_{\text{C=O}}^{\text{exp}} $	$\nu_{\text{C=O}}^{\text{D}}$	$\nu_{\text{C=O}}^{\text{D}}(\text{C}=\text{O})$	$\nu_{\text{C=O}}^{\text{D}}(\text{C}=\text{N})$
4-acetyl-amino-N-methyl phthalimide	2500	5.2	4.6	9.5	9.5
4-amino-N-methyl-phthalimide	3000	6.3	5.6	9.9	9.7
4-monomethyl-N-methylphthalimide	4100	6.56	5.7	10.26	10.0
4-dimethyl-amino-N-methylphthalimide	5400	7.45	3.7	11.15	11.2
3-acetyl-amino-N-methylphthalimide	700	2.7	2.4	5.1	5.24*
3-amino-N-methylphthalimide	2000	4.5	2.7	7.2	7.0

* $\nu_{\text{C=O}}^{\text{D}}$ calculated for $\nu = 56^\circ$.
 * Range of investigated temperature +20 ~ -196°C.

ACCESSION NR: AP4043007

S/0051/64/017/002/0209/0212

AUTHORS: Gladchenko, L. F.; Pikulik, L. G.; Belozarevich, N. L.

TITLE: Study of electron spectra of a series of aromatic molecules in solutions

SOURCE: Optika i spektroskopiya, v. 17, no. 2, 1964, 209-212

TOPIC TAGS: aromatic compound spectrum, electron transition, luminescence, fluorescence, phthalimide, benzene

ABSTRACT: In order to obtain a more reliable determination of the characteristic electron-vibration frequencies in each spectral band, and to trace their variation from compound to compound, the absorption spectra of benzene, toluol, benzoic acid, phthalic acid, phthalic anhydride, and phthalimide were measured at low temperatures using solvents that either vitrify or crystallize upon cooling (ethyl alcohol and dioxane, respectively). Analysis of the data shows that each of the spectra of all the substances contain funda-

1/2

ACCESSION NR: AP4043007

mentally two frequencies, one corresponding to the completely symmetrical vibration of benzene (964 cm^{-1}) and one to the incompletely symmetrical vibration (528 cm^{-1}). Consequently the spectra of all these compounds are governed essentially by the cloud of π electrons of the benzene ring, disturbed by the substitutes to a lesser or greater degree. It is shown that the frequency of the electron transition in phthalimide does not correspond to the symmetry frequency of the spectra, as is frequently assumed, but to the region of the maximum of the absorption band. Experimental data to confirm this conclusion are cited. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 29Jul63

ENCL: 00

SUB CODE: OP, OC

NR REF SOV: 006

OTHER: 002

APANASEVICH, P.A.; BORISEVICH, N.A.; VOLOD'KO, L.V.; GLADCHENKO, L.F.;
GRIBKOVSKIY, V.F.; GUBINOVICH, G.P.; IVANOV, A.P.; KUZNETSOVA,
V.V.; PIRLIK, L.G.; FILIPOVICH, V.A.; RUBANOV, A.S.; RUBANOV,
V.S.; SAMSON, A.M.; SARZHEVSKIY, A.M.; SOLOV'YEV, K.N.;
UMREYKO, D.S.; KHAFALYUK, A.F.; YEL'YASHEVICH, M.A., akademik,
red.

[Interaction between nonequilibrium radiation and matter]
Vzaimodeistvie neravnovesnogo izlucheniia s veshchestvom.
Minsk, Nauka i tekhnika, 1965. 223 p. (MIRA 18:3)

1. Akademiya nauk SSSR. Institut fiziki. Akademiya nauk Belorusskoy SSR (for Yel'yashevich).

L 9876-66 EWT(1)/EWT(m)/T LJP(c) RM
ACC NR: AF5027349

SOURCE CODE: UR/0250/65/009/010/0617/0650

AUTHOR: Gladchenko, L. F.; Kostko, M. Ya.; Fikulik, L. G.; Sevchenko, A. N.

ORG: IFANB

ORG: Institute of Physics AN BSSR (Institut fiziki AN BSSR)

TITLE: Duration of the excited state of ultraviolet fluorescence of aromatic acids

SOURCE: AN BSSR. Doklady, v. 9, no. 10, 1965, 640-650

TOPIC TAGS: aromatization, amino acid, fluorescence

ABSTRACT: Direct measurements of the duration of fluorescence of indole, tryptophan, glycytryptophan, tyrosine, and phenylalanine were carried out by using a phase fluorimeter of the Institute of Physics AN BSSR. The optical part of the apparatus was adapted for measurements of τ in the ultraviolet range of the spectrum. Distilled H₂O and high purity EtOH were used as solvents. Known formulas were used for calculation of the actual duration of fluorescence (τ_{act}).

L 9876-66

ACC NR: AF5027349

Control measurements of previously known τ were in good agreement (accuracy ~ 10%) with the values given in the literature. The optical characteristics determined for the amino acids tested are given. Orig. art. has: 1 table.

SUB CODE: 07/ SUBM DATE: 22May65/ NR REF SOV: 002/ OTHER: 006

BC

2/2

L 33592-66 EWT(m)/EWF(j) RM

ACC NR: AR6016186

SOURCE CODE: UR/0058/65/000/011/DO21/DO21

37
72

AUTHORS: Gladchenko, L. F.; Pikulik, L. G.; Belozarevich, N. I.

TITLE: Study of electron spectra of a series of aromatic molecules in solution

SOURCE: Ref. zh. Fizika, Abs. 11D151

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 319-326

TOPIC TAGS: electron spectrum, nonmetallic organic derivative, absorption spectrum, complex molecule

ABSTRACT: The authors investigated the electronic absorption and reflection spectra of a number of very simple derivatives of benzene and phthalimide in solutions at room and lower temperatures. The character of the long-wave absorption of phthalimide is analyzed on the basis of the change in the long-wave absorption band in a number of substances with different substituent groups. The Stepanov universal relation is applied to the absorption and emission spectra of frozen solutions of complex molecules. [Translation of abstract]

SUB CODE: 20

Card 1/1

20