

MALYGIN, V.I., nauchnyy sotrudnik; BORISENKOVA, A.N., nauchnyy sotrudnik;  
ZHURNAKOVA, M.A., doktor veterin. nauk; BOLOTNIKOV, I.A.

Infection of cattle with the tuberculosis agent of human  
type. Veterinariia 41 no.4:37-39 Ap '64. (MIRA 17:8)

1. Leningradskiy nauchno-issledovatel'skiy veterinarnyy  
institut (for Malygin, Borisenkova, Zhurnakova). 2. Veterinarnyy  
vrach sovkhoza "Vernyy put'" (for Bolotnikov).

ZHURNAKOVA, M.A., doktor veterir. nauk; MALYGIN, V.I., nauchnyy sotrudnik;  
BORISENKOVA, A.N., nauchnyy sotrudnik; BOLOTNIKOV, I.A.

Paraallergic reaction to tuberculin by cattle affected with fowl-type  
microbacteria. Veterinariia 41 no.3:23-25 Mr '64.

(MIRA 18:1)

1. Leningradskiy nauchno-issledovatel'skiy veterinarnyy institut (for  
Zhurnakova, Malygin, Borisenkova). 2. Glavnyy veterinarnyy vrach  
Sovkhoza "Vernyy put'", Leningradskaya ob. (fc Bolotnikov).

38074. BOLO'TNIKOV, I. M.

Kinoteatral'nyy dvukhzvennyy agregat tromkogovoriteley. Soobshch. 131.  
Trudy nikfi (Nauch-issled. kinofoto in-t), vyp. 10, 1949, s. 182-222.-  
Bibliogr: 7 nazv

38075. BOLOTNIKOV, I. M. and ARNOL'D, R. R.

Gromkogovoritel' dlya kinoperedvizhki. Soobshch. 132. Trudy nikfi  
(Nauch.-issled kinofoto in-t), vyp. 10, 1949, s. 223-34

BOLOTNIKOV, I.

Gromkogovoriteli dlia zvukovogo kino [Loud-speakers for sound motion pictures].  
Moskva, Goskinoizdat, 1952. 192 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 8 November 1953

BOLOTNIKOV, I.

Correct way of connecting loud-speakers  
Kinomekhanik no. 1 (1952)

BOLDYNIKOV, I., laureat Stalinskoy premii.

Repair of portable loudspeaker driver units. Kinomekhanik no.6:23-24 Je  
'53. (MIRA 0:3)  
(Loud speakers)

BOLOTNIKOV, I. [author]; PANFILOV, N. [reviewer] (Zagorsk, Moskovskaya oblast').

"Loud-speakers used in sound motion pictures." I. Bolotnikov. Reviewed by  
N. Panfilov. Kinomekhanik no.7:45 J1 '53. (MLRA 6:8)  
(Loud-speakers)



BOLOTNIKOV, I.

Permanent magnets in the magnetic systems of loud-speaker driver units.

Kinomekhanik no.9:42-43 S '53.

(MLRA 6:9)

(Loud-speakers)

BOLOTNIKOV, I.

Electrodynamic loud-speakers. Kinomekhanik no.2:40-46 F'55.  
(Loud-speakers) (MLRA 8:3)

BOLOTNIKOV, Igor' Michaylovich; BYSIMONT, L.O., red.; MALEK, Z.N., tekhn.  
red.

[Loudspeakers for motion-picture theaters] Kinoteatral'nye gromko-  
govoriteli. Moskva, Gos. izd-vo "Iskusstvo," 1957. 202 p.  
(Loudspeakers) (MIRA 11:7)

RUMANIA/Acoustics - Atmospheric Acoustics. Hydroacoustics.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 13954

Author : Bolotnicov, I., Hraban, I.

Inst : -

Title : Improvement of the Characteristics of Membrane Loudspeakers in the High Frequency Region.

Orig Pub : Noutati tehn. cinematogr., Minister. invatamint. si cult.,  
(Bucuresti), 1958, 53-56

Abstract : No abstract.

Card 1/1

BOLOTNIKOV, L. A.

58/49T59

USSR/Engineering  
Welding Machines  
Automatic Welding

Jan 49

"New Machine for Resistance Welding," L. A. Bolotnikov, I. A. Filanovich, Engineers, "Elektrik" Factory, 4 1/2 pp

"Vest Elektro-Prom," Vol XX, No 6

Describes a number of new butt, seam, and spot welders placed into production in 1949 by "Elektrik" factory (photographs and sketches shown). Tabulates technical details for the MBR-100 resistance butt welder (either resistance or fusion) 100 kva, MBP-100 (100 kva) ~~58/49T59~~

USSR/Engineering (Contd)

Jan 49

resistance welder for welding longitudinal or transverse seams, and MPPG-75 automatic spot welder, 75 kva single or repetitive-- 40 - 100 spot-welds per min).

58/49T59

BOLOTNIKOV, N.

Method of working in brigades is efficient. Avt. transp. 41  
no.5:6-7 My '63. (MIRA 16:10)

(Serpukhov--Transportation, Automotive)

1. BOLOTNIKOV, N.
2. USSR (600)
4. Ushakov, G. A.
7. "Across untrodden land." G. A. Ushakov. Reviewed by N. Bolotnikov. Znan. sila no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

BOLOTNIKOV, Nikita Yakovlevich; KOROTKOVA, V.A., redaktor; KUMKES, S.N.,  
redaktor; KOSHELEVA, S.M., tekhnicheskiy redaktor; GOLITSYN, A.V.,  
redaktor kart.

[Nikifor Begichev] Nikifor Begichev. Moskva, Gos. izd-vo geog. lit-  
ry, 1954. 262 p. (MLBA 8:2)  
(Begichev, Nikifor Alekseyevich, 1874-1927) (Arctic regions--  
Discovery and exploration)



DOLGOTRIKOV, N.

Fate of the wandering islands. Znan. sila no.11:6-11 N '54.  
(Arctic regions) (MLRA 8:1)

SCOTT, Robert; BOLOTNIKOV, N.Ya., redaktor; VORONTSOVA, A.N., redaktor;  
KUMKES, S.N., redaktor; PETUKHOV, V.G., redaktor; GLEYKH, D.A.  
tekhnicheskiiy redaktor.

[R. Scott's last expedition] Posledniiaia ekspeditsiia R. Skotta.  
Moskva, Gos.izd-vo geogr.lit-ry, 1955. 405 p. (MLRA 8:11)  
(Scott, Robert Falcon, 1868-1912) (Arctic regions)

BOLOTNIKOV, N.

Continent of mysteries. Znan.sila 31 no.1:32-36 Ja '56. (MLRA 9:4)  
(Antarctic regions)

PHASE I BOOK EXPLOITATION 936

Akademiya nauk SSSR. Komissiya po problemam Severa

Letopis' Severa; Yezhegodnik po voprosam istoricheskoy geografii, istorii geograficheskikh otkrytiy i issledovaniy na Severe. t. II (Chronicles of the North; Yearbook of Historical Geography, History of Geographical Discoveries and Exploration of the North.) v. 2 Moscow, Geografiz, 1957. 279 p. 2,000 copies printed.

Editorial Board: Andreyev, A.I., Belov, M.I., Burkhanov, V.F., Yefimov, A.V. (Resp. Ed.), Chernenko, M.B. (Deputy Resp. Ed.) and Shcherbakov, D.I.; Ed.: Vorontsova, A.I.; Tech. Ed.: Kosheleva, S.M.; Map. Ed.: Mal'chevskiy, G.N.

PURPOSE: The book is intended for readers interested in the Soviet Arctic.

COVERAGE: The present volume, the second of a series of three, is a collection of 27 articles by various authors presenting an historical account of the exploration and economic development of the

Card 1/6

Chronicles of the North (Cont.)      936

Soviet North. A small part of the book is devoted to Arctic areas beyond the confines of the Soviet Union. The aim of the book is to contribute to an understanding of the physical geography, cartography, ethnography, and economy of the Soviet North through a historical survey of these factors. A large number of authors, explorers, scientists, travellers, pilots, navigators, etc. are cited. The text is accompanied by numerous photograph and maps.

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On Drifting Ice in the Arctic Ocean (From the Logs of Stations  
"North Pole No. 4" and "North Pole No. 3")

Bolotnikov, N.Ya. The Siberian Grain Expedition of 1920

34

Card 2/6

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AVAILABLE: Library of Congress	

Card 6/6

MM/whl  
1-5-59

BOLOTNIKOV, N.Ya.

The Siberian grain expedition of 1920. Let. Sev. 2:34-50 '57.

(MIRA 10:12)

1. Moskovskiy filial Geograficheskogo obshchestva SSSR.  
(Siberia--History)

BOLOTNIKOV, N.

Automatic stations in the land of ice. Znan. sila 32 no.1:26-30 Ja '57.  
(Arctic regions--Meteorological observatories)(MIRA 10:4)

BYRIAKA, Petr Nikitovich; BOLOTNIKOV, N.Ya., red.; GLEYKH, D.A., tekhn.red.

[From Scutari to Butrinto] Ot Shkodera do Butrinto. Moskva, Gos.  
izd-vo goegr. lit-ry, 1958. 69 p. (MIRA 11:5)  
(Albania--Description and travel)

BOEKHGREVINK, Karsten Ye. [Borchgrevink, Carsten E.]; TARKHANOVA, S.A.  
[translator]; BOLOTTNIKOV, N.Ya., red.; VORONTSOVA, A.N., red.;  
NOGINA, N.I., tekhn. red.

[At the South Pole in 1900] [Translated from the Norwegian]  
U Iuzhnogo poliusa god 1900. Moskva, Gos. izd-vo geogr. lit-ry,  
1958. 325 p. (MIRA 11:9)

(Antarctic regions)

BOLOTNIKOV, S. I.

BOLOTNIKOV, S. I.: "New early varieties of tomatoes for the southeast of the Ukrainian SSR." All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin. All-Union Inst of Plant Growing. Leningrad, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences)

Source; Knizhnaya letopis' No. 28 1956 Moscow

BOLVINIKOV, S.F.

DECEASED

SEE ILC

PHARMACOLOGY

BOLOTNIKOV, V.; YAGUNOVA, F.

"Song of Mezhdurechensk" film. Reviewed by V. Bolotnikov,  
F. Iagunova. Sov. shakht. 10 no. 12:3 D '61. (MIRA 14:12)  
(Kuznetsk Basin--Coal miners)  
(Kemerevo--Motion pictures. Documentary)



L 43053-66 EWT(d)/EWT(m)/EWP(h)/EWP(l) IJP(c) JT/BC

ACC NR: AP6015005 (A) SOURCE CODE: UR/0209/66/000/005/0065/0068

AUTHOR: Bolotnikov, V. (Retired Major General ITS; Doctor of Technical Sciences; Professor) 58  
B

ORG: none

TITLE: Making aircraft control easier

SOURCE: Aviatsiya i kosmonavtika, no. 5, 1966, 65-68

TOPIC TAGS: aircraft control equipment, aircraft engine, flight control system, ENGINE CONTROL SYSTEM

ABSTRACT: The author reviews the manual control system of aircraft and analyzes the operation of controlling engines by the engine-control lever. Dis- advantages of lever engine-control systems are discussed. Designing a specific automatic power control system of aircraft engines is suggested. [NT]

SUB CODE: 01/ SUBM DATE: none/

Card 1/1 *20*

BOLOTNIKOV, V.

PA 2214

USSR/Aeronautics  
Airfoils, High Speed  
Wings - Design

Jul 1947

"Effect of High Speeds on Aerodynamic Forces," V.  
Bolotaikov, 5 pp

"Vestnik Vozdushnogo Flota" No 7 (341)

This is a continuation of an article begun in No 5, 1947 and is continued in No 6, 7, and 8. Presents various mathematical formulae for the calculation of airfoil stresses. Discusses the behavior of the wings during flights at high speeds.

2214

BOLOTNIKOV, V.

PA 22T20

USSR/Aeronautics  
Wings - Design  
Velocity, Ultrasonic

Aug 1947

"Effect of High Speeds on the Aerodynamic Force,"  
V. Bolotnikov, 4 pp

"Vestnik Vozdushnogo Flota" No 8 (342)

This is a continuation of an article which appeared in No 5, 6, and 7, 1947. In this installment the author gives mathematical formulae for the determination of supersonic streamlining, and several illustrative graphs and diagrams. Article states that the greatest aerodynamic problem of the day is the development of a sturdy wing with very narrow width.

22T20

BOLOTNIKOV, V. , Docent

FA 16/49T15

USSR/Aeronautics, Military  
Flight

Aug 48

"Review of M. A. Isakovich's Book, 'Theory of  
Flight,'" Col Engr V. Bolotnikov, Docent, Cand Tech  
Sci, 1 3/4 pp

"Vest Vozdush Flota" No 8 (354)

Unfavorable review. Main criticism is that book  
is out of date. Published by Gostekhizdat, 1947.

16/49T15

BOLOTNIKOV, V. F.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 565 - I

BOOK

Call No.: AF245215

Author: BOLOTNIKOV, V. F.

Full Title: ELEMENTARY COURSE OF AIRCRAFT AERODYNAMICS. 2nd ed., supp.

Transliterated Title: Elementarnyy kurs aerodinamiki samoleta.  
Izd. vtor., dop.

PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House of the Defense Industry  
(Oborongiz)

Date: 1950

No. pp.: 400

No. of copies: Not given

Editorial Staff

Others: The author expresses thanks to his teacher Prof. V. S. Pyshnov, for general guidance, and to Eng. Kirilin, Bulinskiy, Donovan, Aleksandrov, and Samochetov of the Main Committee of the Scientific Research Institutes of the Red Army Air Force for their cooperation.

PURPOSE: A textbook for pilots.

TEXT DATA

Coverage: This second edition of a textbook for a course of aircraft aerodynamics has been supplemented with a number of chapters discussing problems of the influence of higher velocities on aerodynamic

·Elementarnyy kurs aerodinamiki samoleta.  
Izd. vtor., dop.

AID 565 - I

forces and giving the characteristics of jet engines. Special attention has been given to problems of interest to pilots, such as longitudinal and transversal stability, curvilinear flight and some special features of aircraft piloting. Since this textbook is intended for students not familiar with calculus, all problems are solvable by elementary mathematics.

No. of References: None

Facilities: None

2/2

P'YETSUKH, Aleksey; BOLOTNIKOV, V.F., doktor tekhnicheskikh nauk, redaktor;  
SIMONOV, V.Ya., redaktor; ZUDAKIN, I.M., tekhnicheskij redaktor.

[Wings of youth; gliding technique] Kryl'ia molodezhi; praktika  
planerizma. Pod obshch.red. V.F.Bolotnikova. Moskva, Gos.izd-vo  
oboronnoi promyshl., 1954. 290 p. [Microfilm] (MLRA 8:5)  
(Gliders (Aeronautics))

Subject : USSR/Aeronautics AID P - 3794  
Card 1/1 Pub. 58 - 7/25  
Author : Bolotnikov, V., Doc. of Tech. Sci.  
Title : An important element in teaching the theory of flight  
Periodical : Kryl. rod., 12, 6-7, D 1955  
Abstract : The author suggest practical explanation of some  
phenomena of aerodynamics and aircraft mechanics, in  
order to make them clearly understood. Diagrams.  
Institution : None  
Submitted : No date



БОЛОТНИКОВ, В.Ф.

Subject : USSR/Aeronautics AID P - 4996  
Card 1/1 Pub.135 - 24/26  
Author : Bolotnikov, V. F., Eng.-Col., Prof., Dr. of Tech. Sci.  
Title : Do we properly designate the airplanes?  
Periodical : Vest. vozd. flota, 9, 94-95, S 1956  
Abstract : The author is of opinion that the designation of air-  
planes by the initials of their constructors should be  
changed.  
Institution : None  
Submitted : No date

VASIL'YEV, Grigoriy Silant'yevich; LYSENKO, Nikolay Mikhaylovich; MIKIETUMOV, Emmanuil Bogdanovich; BOLOTNIKOV, V.F., doktor tekhnicheskikh nauk, redaktor; SHIL'TSEV, A.N., redaktor; STREL'NIKOVA, M.A., tekhnicheskii redaktor

[Aerodynamic characteristics of jet fighter planes] Aerodinamicheskie osobennosti reaktivnykh samoletov-istrebitelei. Pod red. V.F.Bolotnikova. Moskva, Voen. izd-vo Ministerstva obor. SSSR, 1956. 264 p.

[Microfilm]

(Jet planes)

(MLRA 9:10)

BOLOTNIKOV, V.F., prof., doktor tekhn.nauk, inzhener-polkovnik.

New textbook on airplane aerodynamics ("Airplane aerodynamics"  
by [professor] I.V.Ostoslavskii, Reviewed by V.F.Bolotnikov).

Vest.Vozd.Fl.40 no.7:87-89 J1 157.

(MIRA 10:11)

(Airplanes--Aerodynamics)

(Ostoslavskii, I.V.)

BOLOTNIKOV, V.F., general-mayor inzhenerno--tekhnicheskoy sluzhby, professor,  
doktor tekhn.nauk

Sixtieth birthday of V.S.Pyshnov. Vest.Vozd.Fl. no.3:64-65 Mr  
'61. (MIRA 14:6)

(Pyshnov, Vladimir Sergeevich, 1901-)

BOLOTNIKOV, V., general-mayor inzhenerno-tekhnicheskoy sluzhby, prof.,  
doktor tekhn.nauk

Static weightlessness. Vest. Vozd. Fl. no.9:89-90 s '61.

(Weightlessness)

(MIRA 14:11)

BOLOTNIKOV, V. I.  
USSR/Jet-Propelled Aircraft  
Bibliography

2302.0112

Feb 1948

"Books About Jet-Propelled Engines and Airplanes," A. Zhabrov, 1½ pp

"Za Oboronu" Vol XXIV, No 2

Reviews six recent books on jet propulsion, first three for popular consumption: "Faster than Sound (Jet-Propelled Engines," S. M. Il'yashenko, 1947; "Modern Aviation and its Future," B. T. Goroshchenko, 1947; and "Certain Characteristics of Jet-Propelled Airplanes," V. I. Bolotnikov, 1946. Three other books, for more advanced readers, give detailed scientific explanations of development and operation of jet engines, excluding recent developments still held secret: "Jet-Propelled Engines, excluding recent developments still held secret," N. V. Inozentsev, 1946; "Jet-Propelled Engines in Aviation," M. M. Pashinin, 1946; "Jet-Propelled Engines and Airplanes of England," Application," A. Ye. Primenko, 1947.

LC

16G10

BOLOTNIKOV, V.I., starshiy nauchnyy sotrudnik

Developing single-phase and two-phase electric locomotives  
for the lumbering industry. Trudy TSNIIME no.34:25-40 '62.  
(MIRA 16:1)

(Electric locomotives) (Lumber--Transportation)

BOLOTNIKOV, Vasilii Ivanovich; RYAZANTSEVA, L.I., red. izd-va;  
MIKHEYEVA, A.A., tekhn. red.

[Handbook on accident prevention for the worker installing  
electric hoists]Pamiatka po tekhnike bezopasnosti dlia  
slesaria-montazhnika elektricheskikh pod"emnikov. Moskva,  
Gosstroizdat, 1962. 15 p. (MIRA 16:1)  
(Hoisting machinery—Safety measures)



BOLOTNIKOVA F. I. DR. ~~MED. SCI.~~

Dec 51

USSR/Medicine - Penicillin

"Use of Penicillin Together With Colloidal Liquids," D. M. Grozdov, Dr. Med. Sci, F. I. Bolothikova, I. V. Danilova, Gen Order Of Lenin Inst of Hematol and Blood Transfusion, Min of Pub Health USSR

"Klin Med" Vol XXIX, No 10, pp 13, 14

By combining penicillin (for intramuscular injection) in small doses (1-5 ml) with colloidal solns such as bool, erythrocytic masses, natural and dried, concd serum, or soln No 94, it becomes possible to double the time during which penicillin remains in the Blood stream. By this method the titer of penicillin in the patient's blood in the course of 6 hr. is maintained at an adeq ate therapeutic level so that it becomes possible to decrease the penicillin injections to 4 in 24 hr. This method is simpler and less bothersome for the patient than the conventional method. In clinics it is expedient to use penicillin mixed with soln No 94.

PA 194T78

BOLOTNIKOVA F. I.

Dec. 51

USSR/Medicine - Penicillin

"New Method of Introducing Penicillin Lengthening Its Effectiveness," F. E. Faynstein, F. I. Bolotnikova, Hematol, Cen Order of Lenin Inst of Hematol and Blood Transfusion

"Klin Med." Vol XXIX, No 10, pp 14, 15

Groz dov and Bolotnikova developed a method of mixing penicillin with blood, erythrocytic mass, or solution No 94, lengthening the time during which the soln remains in the organism. Intramuscular injections were given to volunteers and 15 patients ill with chronic myelosis and 5 with chronic lymphadensis. One cc of the penicillin soln contg 50,000 units mixed with 1 cc blood or erythrocytes were injected in the upper lateral quadrant of the buttocks. Ten controid received penicillin in aqueous soln. The concn of penicillin mixed with blood serum was detd by a modification of fleming's phenol red method in 2, 3, 4, 5, and 6 hr. after injection. Altogether there were 30 tests showing that in leucosis patients the penicillin level was retained only for 2-3 hr. Admixt of blood or erythrocytes to penicillin therefor lengthed the time of effectiveness in the blood stream 2-3 times. It is evident that in this method the penicillin forms a depot at the point of injection from which it spreads into the organism. No adverse effects were discovered.

PA 194T79

SOLOTNIKOVA, F. I.

Bolotnikova, F. I.

"Anti-Bacterial Preparations for Blood Preserved in Acid Solutions."  
First Moscow Order of Lenin Medical Inst. Moscow, 1955 (Dissertation  
for the degree of Candidate in Biological Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955

Boletnikova, F. I.

✓ The effect of anticytolytic (antihistaminic) substances on the growth of molds in preserved tissue. A. G. Judotenko and F. I. Bolotnikova. *Problemy Gematol. i Pereli-  
van. Krov. I.* No. 6, 65-7 (1966).—Eticin (I) and diprosin (II) were tested as preservatives. I and II inhibited the growth of molds in concns. as low as 0.04%. For tissue preservation a 10<sup>-4</sup> concn. is recommended. B. S. L.

29  
M...

• *BOLOTNIKOVA, F.I.*

Rumania / Microbiology - Microbes Pathogenic to Humans F-4  
and Animals

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 726

Author : Dvolaytskaya-Barysheva, K.M., BoLOTnikova, F.I.

Title : Duration of Retention of Immunization Properties  
of Antidysentery and Anti-Typhoid Blood In and  
Outside the Organism.

Orig Pub: V sb.: Sovrem. probl. gematol. i perelivaniya  
krovi. No. 32, M., Medgiz, 1956, 202-205

Abstract: The blood of 14 donors was tested frequently  
after immunization by dysentery and typhoid vac-  
cines. It was established that prophylactic  
properties of sera are at a fairly high level  
after 6 months. The prophylactic and agglutin-  
izing properties of immunizing sera when stored  
cold (4-6°) are preserved for 6 months. Usually

Card 1/2

Rumania / Microbiology - Microbes Pathogenic to Humans F-4  
and Animals

Abs Jour: Referat, Zh. Biol., No. 1, 1958, 726

after 7 months of cold storage the protective  
properties are considerably diminished.

Card 2/2

BAGDASAROV, A.A., prof., DVOLAYTSKAYA-BARYSHEVA, K.M., doktor med.nauk,  
BOLOPNIKOVA, F.I., BOGOYAVLENSKAYA, M.P., FAYNSHTEYN, F.E.,

Antileukocyte antibodies in hypoplastic anemias and in chronic radiation sickness. Probl.gemat. i perel. krovi 3 no.4:10-16 J1-Ag '58 (MIRA 11:8)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR. 2. Deystvitel'nyy chlen AMN SSSR (for Bagdasarov).

(ANEMIA, APLASTIC, immunology,  
anti-leukocyte antibodies (Rus))

(RADIATION, inj. eff.  
radiation sickness, anti-leukocyte antibodies in(Rus))

DVOLAYTSKAYA-BARYSHEVA, K.M., prof.; BOLOTNIKOVA, F.I.; FAYNSHTEYN, F.E.;  
BOGOYAVLENSKAYA, M.P.

Study on antithrombocytic antibodies in some diseases of the blood  
system and in chronic radiation sickness. Probl.gemat.i perel.krovi  
no.6:9-13 '61. (MIRA 14:10)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-  
vaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.  
Bagdasarov) Ministerstva zdravookhraneniya SSSR.  
(BLOOD--DISEASES) (RADIATION SICKNESS)  
(ANTIGENS AND ANTIBODIES)



ZHAROVA, Ye. I.; KHOKHLOVA, M. P.; BOLOTNIKOVA, F. I.

Effect of acute and chronic intoxication on hemopoiesis in mice.  
Probl. gemat. i perel. krovi no.10:8-14 '61.

(MIRA 14:12)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A. A. Bagdasarov [deceased]) Ministerstva zdravookhraneniya SSSR.

(TOXINS AND ANTITOXINS) (HEMOPOIETIC SYSTEM)

VINOGRAD-FINKEL', F.R., prof.; SKOPINA, S.B.; BOLOTNIKOVA, F.I.; GLUZ, D.S.;  
FINNIKOVA, L.V.

Study of problems connected with the organization of mass preparation  
of sterile plastic bags with preservative for a two stage blood  
preservation. Probl. gemat. i perel. Krovi 8 no.9:23-29 S '63.  
(MIRA 17:9)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi (dir. - dotsent A.Ye.Kiselev) Ministerstva zdravookhraneniya  
SSSR, TSentral'nogo nauchno-issledovatel'skogo instituta konservnoy  
promyshlennosti (dir. A.F.Namestnikov) pri Vyschem sovete narodnogo  
khozyaystva SSSR Soveta Ministrov SSSR i Khimiko-farmatsevticheskogo  
zavoda imeni N.A.Semashko (dir. V.I.Antipov).

MALLER, A.R.; BOLOTNIKOVA, F.I.

Experience in the storage of blood in plastic bags under field conditions.  
Probl. gemat. i perel. Krovi 8 no.9:30-32 S '63. (MIRA 17:9)

1. Iz laboratorii konservirovaniya krovi (zav. - prof. F.R. Vinograd-Finkel') Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

ZHAROVA, Ye.I.; KOLLER, P.S.; SHUGA; BOLOTNIKOVA, F.I.; RAUSHENBAKH, M.O.  
prof.

Karyological analysis of hemopoietic cells in experimental leukemoid  
reaction. Probl. gemat. i perel. krovi 9 no.12:9-13 D '64  
(MIRA 18:1)

1. Radiobiologicheskaya laboratoriya (zav. - prof. M.O.Raushenbakh)  
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi (direktor - dotsent A. Ye. Kiselev) Ministerstva zdravookhra-  
neniya SSSR, Moskva, i tsitologicheskaya laboratoriya (zav. - prof.  
P.S. Koller) Instituta imeni Chester Bitti (direktor - prof.  
A. Kheddov), London.

BOLOTNIKOVA, F. I.; FEDOROVA, L. I.

Problems related to the possibility of aseptic collection of blood in different areas suitable for this purpose and development of a simple method for its bacteriological control. Probl. gemat. i perel. krovi 7 no.7:22-26 J1 '62. (MIRA 15:7)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A. Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

(BLOOD—COLLECTION AND PRESERVATION)

BOLOTNIKOVA, L.S.; SAMSONOVA, T.I.

Cellulose solutions in a cadmium-ethylenediamine complex. Zhur.prikl.  
khim. 34 no.3:659-662. Mr '61. (MIRA 14:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Cadmium compounds) (Cellulose)

BOLOTNIKOVA, L.S.; DANILOV, S.N.; SAMSONOVA, T.I.

Fractionation of woodpulp. Zhur.prikl.khim. 34 no.11:2578-2579  
N '61. (MIRA 1541)

(Woodpulp)

BOLOTNIKOVA, L.S.; DANILOV, S.N.; SAMSONOVA, T.I.; TURKOVA, L.D.

Characteristics and use of an alkaline solution of the iron sodium tartrate complex for dissolution of cellulose. Zhur.prikl.khim. 35 no.12:2760-2763 D '62. (MIRA 16:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Iron sodium tartrates) (Cellulose) (Iron Analysis)



BOLOTNIKOVA, L.S.; SAMSONOVA, T.I.

Relationship between molecular weight and intrinsic viscosity of cellulose in solutions of the cadmium ethylenediamine complex. Vysokom. soed. 6 no.3:533-537 Mr'64.

(MIRA 17:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

BOLOTNIKOVA, L.S.; SAMSONOVA, T.I.

Determination of constants in Huggins and Schultz-Blaschke  
equations for cellulose and its derivatives. Zhur. prikl.  
khim. 38 no.10:2299-2303 0 '65. (MIRA 18:12)

1. Submitted August 21, 1963.

BOLOTNIKOVA, T. N. Cand Phys-Math Sci -- (diss) "Spectroscopy of simple aromatic hydrocarbons in frozen crystalline solutions." Mos, 1959. 7 pp (Mos State Ped Inst im V. I. Lenin), 150 copies. Bibliography at end of text. (KL, 46-59, 135)

24(4), 24(7)

AUTHOR: Bolotnikova, T.N.

SOV/51-7-1-7/27

TITLE: On the Problem of Interpretation of the Fluorescence Spectrum of Naphthalene (K voprosu ob interpretatsii spektra fluorestsentsii naftalina)

PERIODICAL: Optika i spektroskopiya, 1959 Vol 7, Nr 1, pp 44-51 (USSR)

ABSTRACT: The author studied the fluorescence spectrum of frozen solutions of naphthalene at 77°K. The fluorescence spectra were recorded using a "Bausch and Lomb" quartz spectrograph (1/15 speed, linear dispersion 25 Å/mm in the 3100 Å region and 40 Å/mm in the 3600 Å region). The spectra were recorded using the technique described by Shpol'skiy et al (Ref 11). Fluorescence was excited by means of two PRK-4 water-cooled mercury lamps. Spectra of the following frozen naphthalene solutions were recorded: in n-pentane (Fig 2 on p 46), n-hexane (Fig 3), n-heptane (Fig 4), n-octane, ethyl alcohol and paraffin oil. For the sake of comparison, the author recorded also the fluorescence spectrum of crystalline naphthalene at 77°K (Fig 1 on p 46). The fluorescence spectrum of naphthalene in pentane was the sharpest of all the solution spectra. The spectrum of naphthalene in hexane consisted of diffuse lines and the spectra of naphthalene in heptane, ethyl alcohol or

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On the Problem of Interpretation of the Fluorescence Spectrum of Naphthalene SOV/51-7-1-7/27

paraffin oil consisted of diffuse bands ( $100-120\text{ cm}^{-1}$ ), whose centres coincided with the intense lines of the naphthalene spectrum in pentane. All the fluorescence frequencies of naphthalene in pentane and their interpretation are given in Table 1 together with the frequencies of the fluorescence spectrum of naphthalene in durene. The sharpness of the fluorescence spectrum of naphthalene in pentane made it possible to determine precisely the frequency intervals and to distinguish two of these intervals ( $495$  and  $927\text{ cm}^{-1}$ ) from the values of fully symmetrical frequencies at  $517$  and  $940\text{ cm}^{-1}$ . It is suggested that the mechanism of the electron-vibrational transition in fluorescence is the same as the absorption mechanism observed in frozen solutions of naphthalene in durene. Acknowledgment is made to Professor E.V. Shpol'skiy who directed this work. There are 1 figure, 4 tables and 15 references, 5 of which are Soviet, 9 English and 1 German.

SUBMITTED: August 27, 1958

and 2/2

SOV/51-7-2-11/34

-AUTHOR: Bolotnikova, T.N.

TITLE: Spectroscopy of Certain Simple Aromatic Hydrocarbons in Frozen Crystalline Solutions (Spektroskopiya nekoterykh prostykh aromaticheskikh uglevodorodov v zamorozhennykh kristallicheskikh rastvorakh)

PERIODICAL: Optika i spektroskopiya, 1959, Vol 7, Nr 2, pp 217-222 (USSR)

ABSTRACT: The author investigated the fluorescence spectra of frozen solutions of the following six linear aromatics: naphthalene, anthracene, 9- and 10-dichloroanthracene, anthraquinone and naphthacene. The results for naphthalene, anthracene, 9- and 10-dichloroanthracene and anthraquinone were reported earlier (Refs 10-11). The present paper describes the results obtained for frozen solutions of naphthacene in n-hexane, n-heptane, n-octane and n-nonane. The sharpest spectrum was that of the solution of naphthacene in nonane (Table 1 and Fig 1). The fluorescence spectra of anthracene in nonane and in naphthalene had the same vibrational structure (Fig 2). The results reported here and those of Refs 10-11 led the author to the following conclusions. (1) The spectra of frozen solutions of aromatics are sharp (10-15  $\text{cm}^{-1}$  width) if the solvent (paraffin) lattice does not undergo considerable deformation on introduction of the fluorescent solute. The lattice

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SOV/51-7-2-11/34

Spectroscopy of Certain Simple Aromatic Hydrocarbons in Frozen Crystalline Solutions

deformation may be due to: (a) dimensions of the fluorescent molecule being such that it distorts the crystal lattice of the solvent when it replaces a solvent molecule, (b) thermal torsional vibrations on increase of temperature, (c) increase of the solute concentration which leads to its separation or formation of complexes. (2) The spectra of the frozen solutions of naphthalene, anthracene, naphthacene and other aromatics indicate molecular nature of these solutions. (3) Absence of fine structure in the spectra of simple (linear) aromatic hydrocarbons suggests a high probability of coincidence of the long axes of the fluorescent and the solvent molecules. (4) Fine structure in the spectra of more complex hydrocarbons may be due to comparable magnitudes of probabilities for different orientations of molecules. Acknowledgment is made to Prof. E.V. Shpol'skiy who directed this work. There are 2 figures, 2 tables and 13 references, 6 of which are Soviet, 5 English and 2 German.

SUBMITTED: September 6, 1958

Card 2/2

24(7)

SOV/48-23-1-6/36

AUTHOR:

Bolotnikova, T. N.

TITLE:

Fluorescence Spectra of Frozen Crystalline Solutions of Simple Aromatic Hydrocarbons (Spektry fluorestsentsii zamorozhennykh kristallicheskikh rastvorov prostykh aromati-cheskikh uglevodorodov)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 1, pp 29-31 (USSR)

ABSTRACT:

The present paper is closely connected with a cycle of research work dedicated to the investigation of the microstructure of fluorescence spectra of aromatic hydrocarbons in frozen n-paraffin solutions at 77° K under the supervision of E. V. Shpol'skiy. From previous papers it was known that in paraffin solutions the fluorescence bands of aromatic hydrocarbons are split into lines, into doublets or rather complex multiplets. The reason for that splitting has so far not been clarified yet. For investigating this problem, simple aromatic hydrocarbons were analyzed under various conditions: vaporous, as a solution, in crystalline state and (in this paper) as solid solutions at low temperatures. The author investigated naphthalene. She studied the fluorescence spectra of frozen

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Fluorescence Spectra of Frozen Crystalline Solutions of Simple Aromatic Hydrocarbons SOV/48-23-1-6/36

solutions of naphthalene in n-pentane, n-hexane, n-heptane, n-octane, ethyl alcohol, and paraffin oil, and compared them to the crystalline spectrum. The sharpest spectrum was found with naphthalene in pentane. It was observed that the chain length of the solvent depends on the spectral sharpness which had been found already in previous papers (Refs 2,3). The following data were obtained by comparison with the crystalline spectrum: the solution spectrum is, compared to the crystalline one, shifted by  $170\text{ cm}^{-1}$  toward the short-wave range. Both spectra have the most intense lines in common. In the solution spectrum each strong line is accompanied by a weak one within the short-wave range. Furthermore, the author compared the spectrum of naphthalene in pentane with that of the solid solution of naphthalene in durene obtained by McClure (Mak-Klyur)(Refs 4,5). The spectra of the frozen solutions of naphthalene in n-paraffin may be regarded as electron-oscillation molecular spectra. The variations of frequency differences may be considered to be an influence exercised by the surrounding medium upon the molecule. Anthracene was investigated in the same solutions and under

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Fluorescence Spectra of Frozen Crystalline Solutions of Simple Aromatic Hydrocarbons SOV/48-23-1-6/36

equal conditions. The solutions in heptane and hexane turned out to be the sharpest spectra. The solutions and crystalline anthracene had the centers of the spectral line groups in common. The investigations have shown that the molecular nature of the solution spectra is explained by comparing the spectra of frozen solutions to those of the same compounds under different conditions. In addition, it resulted from the study that this method may also be applied to any of the remaining substances. The author thanks E. V. Shpol'skiy for supervising the work and his interest in it. There are 3 figures and 6 references, 3 of which are Soviet.

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S/030/61/000/011/005/007  
B105/B147

AUTHORS: Bolotnikova, T. N., Khandros, V. O.

TITLE: New research in the field of spectroscopy

PERIODICAL: Akademiya nauk SSSR. Vestnik, no. 11, 1961, 110-112

TEXT: The Komissiya po spektroskopii pri Otdelenii fiziko-matematicheskikh nauk Akademii nauk SSSR (Commission of Spectroscopy at the Department of Physics and Mathematics of the Academy of Sciences USSR) held a conference in Gor'kiy from July 5 to 12, 1961, which dealt with topical problems of atomic and molecular spectrum analysis. This 14th Conference was attended by over 1300 collaborators from laboratories of scientific research institutes and industrial establishments of the country. S. L. Mandel'shtam, Chairman of the Commission of Spectroscopy, opened the Conference and mentioned the progress in the field of molecular spectrum analysis. At the sessions of the Section of Atomic Spectroscopy reports were delivered on the theory of emission spectrum analysis, a statistical method of searching optimum conditions for its procedure, and the quantitative spectrum analysis of gas mixtures. Further reports dealt

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New research in the field of...

S/030/61/000/011/005/007  
B105/B147

with problems of sample material classification, processes of excitation of spectra, light sources, the multichannel vacuum-photoelectric device ДФС-31 (DFS-31), and the development of the photoelectric method for the continuous determination of elements. The analytical method should be perfected in order to increase the purity of substances and materials. Methods of the spectral determination of nonmetallic components (oxygen, nitrogen, hydrogen, and carbon) in metals and alloys were discussed at a special session. Problems of the construction of spectral devices and auxiliary means were also dealt with. At the sessions of the Section of Molecular Spectroscopy, problems of molecular spectrum analysis were discussed. The analysis of spectra of electronic paramagnetic and nuclear magnetic resonance is given special mention. Reports were also delivered on the perfection of instruments and the application of infrared spectra. Spectroscopic research methods of chemical reactions were discussed at a special session. The method of using distinct, quasilinear spectra of solutions at low temperatures for semiquantitative and quantitative analyses, as well as problems of radiospectroscopy were also discussed at the Conference. In this connection, reports were delivered on research results of microwave spectra and spectra of electron paramagnetic, as well

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New research in the field of...

S/030/61/000/011/005/007  
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as nuclear magnetic resonance of some compounds. Because of the variety of research trends and fields of application of spectroscopy, the Commission of Spectroscopy finds that regular conferences with limited tasks should be convened.

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15 8114 2209  
24 3600 (1035, 1138, 1482)

9/020/61/137/006/013/020  
B103/B217

AUTHORS: Nesmeyanov, A. N., Academician, Korshak, V. V., Corresponding Member AS USSR, Voyevodskiy, V. V., Corresponding Member AS USSR, Kochetkova, N. S., Sosin, S. L., Materikova, R. B., Bolotnikova, T. N., Chibrikov, V. M., and Bazhin, N. M.

TITLE: Synthesis and some optical-magnetic properties of polyferrocenes

PERIODICAL: Doklady Akademii nauk SSSR, v. 137, no. 6, 1961, 1370-1373

TEXT: The authors studied the magnetic properties of ferrocene derivatives: 1) of the polyferrocenylenes (Table 1, nos. 1-6), 2) the polydiisopropylferrocene (Table 1, nos. 7-8), 3) the polymethano- and 4) the polyethanopolyferrocenes (Table 1, nos. 9-13). They were synthesized by: A) Polyrecombination. To 1) and 2). 1 mole ferrocene (or of its diisopropyl homolog) was treated with 1 mole tertiary butyl peroxide in nitrogen atmosphere at 200°C. 1) and 2) are assumed to be formed as follows: the Butoxyl and methyl radicals formed during peroxide decomposition separate the hydrogen from ferrocene (or the  $\alpha$ -hydrogen). The radicals thus formed

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Synthesis and some ...

S/020/61/137/006/013/020  
B103/B217

recombine and form linear 1) or 2), easily soluble in benzene. An insoluble polymer (Table 1, nos. 5-6) with a two- or tridimensional network structure is formed simultaneously. The conversion of ferrocene to high-molecular products amounted to 25%. Nos. 1-3 have a softening temperature of 290-300°C and are a dark-red powder, whereas nos. 5-6 had their softening temperature at about 400°C and were light-yellow. B) Polyalkylation of ferrocene by methylene chloride and 1,2-dichloroethane in the presence of anhydrous aluminum chloride. Aluminum chloride solution in 50 ml of dihalogen alkane was added gradually to 40 g ferrocene dissolved in 250 ml dry dihalogen alkane. The mixture was stirred for 6 hr at the boiling temperature of the solvent. The next day, 10 g aluminum chloride in 25 ml dihalogen alkane were added and treated for 6 hr as above. The mixture was decomposed by ice and HCl and treated with sodium sulfite. The obtained 3) and 4) were well soluble in benzene, differed, however, by their solubility in ether. Table 1 shows the molecular weights, the always equal g-factor and the magnetic characteristics of all substances produced. The decomposition temperature of 9-13 was 115-120°C. All substances are amorphous powders, nos. 9 and 10 light-yellow, no. 11 grey-brown. Nos. 10 and 11 are of a chemical composition similar to that of no. 9 (pentaethanodiferrocene).

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S/020/61/137/006/013/020  
B103/B217

Synthesis and some ...

They consist possibly of 2 and 4 molecules similar to the latter, connected by ethane bridges. 4-5 methylenes in the molecule of nos. 12 and 13 belong to 2 ferrocene radicals. They do not contain halogen. The infrared spectra of nos. 9-13 have frequencies within the range  $1000-1100 \text{ cm}^{-1}$ . To 1). Derivatives 1) having a  $\pi$ -conjugation between the ferrocene links give a signal the electron paramagnetic resonance (e-p-r), similarly to the polyaromatic hydrocarbons. This cannot be explained by the presence of a corresponding quantity of the oxidized form of the ferricinium cation. Table 1 shows that also polymers in which the ferrocene links are separated by the  $-\text{CH}_2-\text{CH}_2-$  group give an e. p. r. signal. It is known that the delocalization of the unpaired electrons between the two phenyl rings is not prevented by this group. In the substances described here, which give an e. p. r. signal, this signal is the smaller, the smaller the number of ferrocene links is. This signal vanishes in 2). Polymers with a low molecular weight give no e. p. r. signal in the solution (benzene), but in solid state. This is explained by the fact that the intramolecular interactions cause in solid state a conjugation of the adjacent polymer molecules. This causes for its part an e. p. r. signal. All polymers

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3103/2217

Synthesis and some ...

giving this signal show a single symmetrical line of the e. p. r. of the Lorenz type. The 1) obtained from the reaction A yields a wide e. p. r. line of 120-160 oersteds, its width being dependent on the polymer structure. This line becomes broader on reducing the measuring temperature. Its width is changed most considerably in low-molecular polymers. The authors believe the nature of the measured signals to be unclarified, they cannot maintain that the number N of the unpaired electrons per 1 member, determined by a comparison with the standard, corresponds to their actual number. N may, however, be a certain characteristic of the magnetic properties of the system (nos. 2-4). N reaches an anomalous size in the insoluble polymer no. 5. This is assumed to be connected with a collective effect of the ferromagnetic type. The ultraviolet (UV-) spectra of 1) dissolved in n-octane, which give an e. p. r. signal in solid state, differ from the ultraviolet spectra of such that give no signal in solid state. In the first case the UV-spectrum agrees completely with that of ferrocene dissolved in  $CCl_4$ . It was proved for these spectra (Ref. 7) that the charge transfer takes place here under formation of an ion pair  $Fer^+CCl_4^-$ . On the contrary, the UV-spectrum of such 1) that give no e. p. r. signal is similar

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S/020/61/137/006/013/020  
B103/B217

Synthesis and some ...

to that of ferrocene in a neutral solvent (n-octane), i. e. under conditions under which the charge is not transferred. Finally, the authors point out that their results concerning the UV-spectra apparently confirm the "pseudoferrromagnetism" of the polynucleotides and of the polyaromatic hydrocarbons (Refs. 5 and 8). There are 1 figure, 1 table, and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The only reference to English-language publication reads as follows: J. C. D. Brand, Ref. 7: Trans. Farad. Soc., 53, 894, 1957.

ASSOCIATION: Institut elementoorganicheskikh sovedineniy Akademii nauk SSSR  
(Institute of Elemental-organic Compounds of the Academy of Sciences, USSR)

SUBMITTED: December 20, 1960

Legend to Table 1. I) Current number, 1-4) linear polyferrocenylene, 5-6) insoluble polyferrocenylene, 7) polydiisopropylferrocene, linear, 8) like 7, insoluble, 9-11) condensation products of ferrocene with Di-1,2-chloroethane, 12-13) with methylene chloride, 14) ferricinium cation. II) Substance, III) molecular weight, IV) g-factor, V-VI) line width, oersted

Card 5/65

BOLOTNIKOVA, T.N., kand.fiz.-matem.nauk

Spectra of organic compounds. Priroda 51 no.4:107 Ap '62.

(MIRA 15:4)

1. Moskovskiy gorodskoy pedagogicheskiy institut im. V.I.Lenina.  
(Organic compounds--Spectra)

L 19471-63

EWP(j)/EPF(c)/EWT(m)/BDS

Pc-4/Pr-4

RM/AM/MAY

ACCESSION NR: AT3002192

S/2941/63/001/000/0036/0043

AUTHORS: Gobov, G. V.; Bolotnikova, T. N.

TITLE: Spectroscopy of frozen crystalline solutions

SOURCE: Optika i spektroskopiya; sbornik statey. v. 1: Lyuminestsentsiya. Moscow, Izd-vo AN SSSR, 1963, 36-43

TOPIC TAGS: luminescence, absorption, spectra, polyenes, hydrocarbons, energy level

ABSTRACT: A study has been made to determine the luminescence and absorption spectra of diphenyl-, triphenyl-, and quaterphenyl-polyenes.<sup>1</sup> The method was first used by E. V. Shpol'skiy (UFN, 71, 2, 1960) and consists of investigating the sharp luminescence spectra of frozen n-paraffin solutions condensed in aromatic hydrocarbons. For the diphenyl, the largest luminescence spectra were found in hexane, heptane, and octane solutions with a band width of 50 cm<sup>-1</sup>. The continuous absorption spectra of triphenyl were found to lie between 2400 and 3200 Å and for the quaterphenyl, between 2600 and 3400 Å. The authors contend that the fluorescence spectra of these polyenes permit the tracing of changes in the

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L 19471-63

ACCESSION NR: AT3002192

molecular energy levels arising from line broadening of the molecules on one of the phenolic groups. "The authors express their gratitude to E. V. Shpol'skiy."  
Orig. art. has: 6 tables and 3 figures.

ASSOCIATION: none

SUBMITTED: 28May62

DATE ACQ: 19May63

ENCL: 00

SUB CODE: PH

NO REF SOV: 007

OTHER: 008

Card 2/2

BOLOTNIKOVA, T.N.; GOBOV, G.V.

Emission spectra of certain polyphenyls and diphenyl polyenes.  
Izv. AN SSSR Ser. fiz. 27 no.5:683-685 My '63.

(MIRA 16:6)

(Unsaturated compounds—Spectra)  
(Paraffins—Spectra)

BOLOTNIKOVA, V.

Progressive methods of meeting customers' demands in White Russia.  
Sov.torg. no.12:28-29 D '56. (MIRA 10:1)  
(White Russia--Restaurants, lunchrooms, etc)

KORSAKOV, M.I.; ~~BOLOTNOV, P.I.~~ inzhener, retsenzent; MOKSIN, S.I., inzhener, retsenzent; SIMONS, D.Ya., inzhener, redaktor; POPOLOV, Ya.N., redaktor izdatel'stva; MATVEYEVA, Ye.N., tekhnicheskij redaktor

[Safety engineering for machine-tractor mechanics] Tekhnika bezopasnosti v mashinno-tractornykh masterskikh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 189 p. (MLRA 9:11)  
(Machine-tractor stations--Safety measures)



YATSENKO, V.A.; MOKSIN, S.I., inzhener, retsenzent; BOLOTNOV, P.M.,  
retsenzent; ZHDANOV, V.V., inzhener, redaktor; POPOLOV, Ya.N.,  
redaktor izdatel'stva; SHMEL'KINA, S.I., tekhnicheskiy redaktor

[Safety engineering in work with agricultural machinery] Tekhnika  
bezopasnosti pri rabote na sel'skokhoziaistvennykh mashinakh.  
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956.  
77 p.

(MIRA 10:1)

(Agricultural machinery--Safety measures)

BOLOTNOV, S. (Moskovskaya obl.)

Tape rewinding in the "Kazan\*-2" phonograph-tape recorder  
combination. Radio no.4:44 Ap '63. (MIRA 16:3)  
(Magnetic recorders and recording)

BOLOTNOVA, O.S.

Soviet herring fisheries in the North Atlantic. Probl.Sev.  
no.2:226-237 '58. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo khoz-  
yaystva i okeanografii.  
(Atlantic Ocean--Herring fisheries)

BOGATNYI, K. A.; BREGMAN, I. P., inzh.; YENINA, P. Ya.

Determining the economic efficiency of the modernization  
of industrial equipment. Vest. mashinostr. 44 no. 2:68-72  
F '64.  
(MIRA 17:7)

BOLOTNYY, A.V., Inzh.

Disk-type smoothing machines for reinforced concrete products.  
Stroi. i dor. mash. 10 no.9:30-32 S '65. (MIRA 18:10)

COUNTRY : USSR  
CATEGORY : Pharmacology, Toxicology. Chemotherapeutic Preparations. ✓  
Anti-helminthic Substances  
ABS. JOUR. : RZhBiol., No. 12 1958, No. 56853  
AUTHOR : Bolotny, M.M.  
INST. :  
TITLE : Hemolytic Jaundice with Overdosage of Phenothiazine

ORIG. PUB. : Vrachebnoye Delo, 1957, No.5, 529-530

ABSTRACT : Reports on the course of a severe hemolytic jaundice in a child 5 years of age associated with the use of phenothiazine (0.5 gm 3 times a day for 5 days). Treatment was given (blood transfusions, injections of vitamin B<sub>12</sub>, Fe, raw liver, etc.), with resulting improvement, and the child was discharged home after 19 days of hospitalization. - Ye.G.

Card: 1/1

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Honing sleeves with synthetic diamond bars. Svt. transp. 43  
no. 1:25-26 Ja '65. (MIRA 18:3)

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Synthetic diamonds at the Zhitomir Automobile Spare-Part Plant.  
Mashinostroitel' no.10:42-43 0 '64.

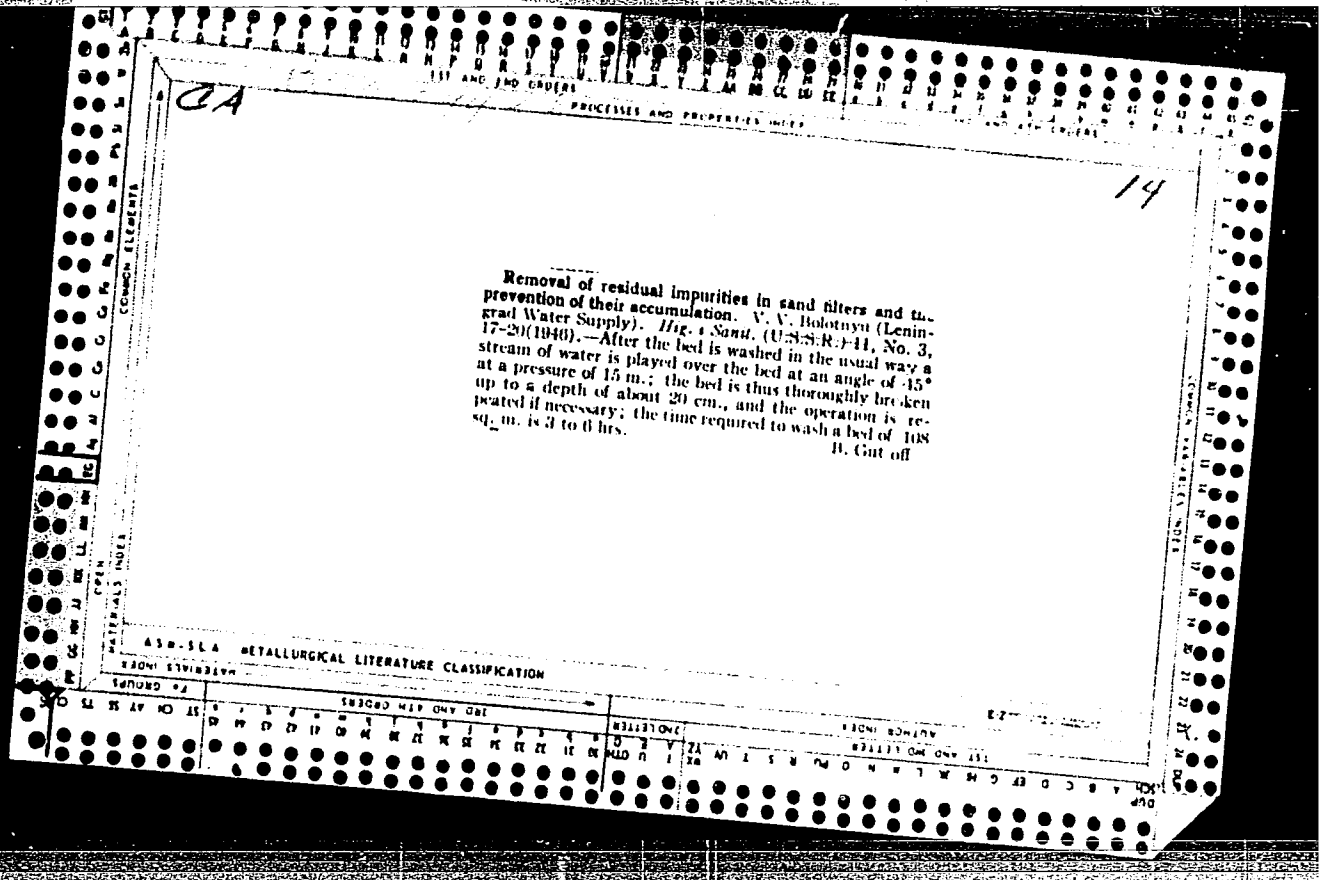
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BOLOTNYY, V., kandidat tekhnicheskikh nauk; GOLANT, Sh., kandidat tekhnicheskikh nauk.

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4 no.2:11-15 '54. (MLRA 7:5)

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Subject : USSR/Medicine AID P - 3656  
Card 1/1 Pub. 37 - 2/19  
Authors : ~~Bolotnyy, V. V.~~, Ettinger, A. I., Kupperberg, L. S.,  
Scientific Workers  
Title : Disinfection of drinking water by hydrogen peroxide  
Periodical : Gig. i. san., 11, 7-9, N 1955  
Abstract : Describes investigation and experiments on the use of a  
filter for disinfecting Neva water by hydrogen peroxide.  
The results of the experiments are presented in a table.  
Institution : Leningrad Scientific Research Institute, Academy of  
Municipal Services im. K. D. Pamfilov  
Submitted : S 9, 1954

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FEDOROV, Nikolay Fedorovich, doktor tekhnicheskikh nauk, prof.; BOLOTNYY, V.V.  
[deceased], kand:tekh.nauk, spetsiyal'nyy redaktor; KHRISTENKO, V.P.,  
redaktor isdatel'stva; PETROVSKAYA, Ye.S., tekhnicheskiy redaktor.

[Public sanitation of cities] Sanitarnoe blagoustroistvo gorodov.  
Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1957. 302 p. (MIRA 10:11)  
(Sanitary engineering)