

Shirnov, L. I.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announced that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1950 and 1951. (Sovetskaya Kultura, Moscow, No. 72-73, 30 Feb - 3 Apr 1951)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Shirnov, V. N.	"Experience of Soviet	Leningrad Scientific Society
Semotokin, B. A.	Medicine in the Great	of Neurosurgery (5)
Rubchin, I. S.	Patriotic War 1941-45"	
Shirnov, L. I.	"Gunshot Wounds and	
	Injuries of the Skull	
	and Cerebrum"	

BABCHIN, I.S., professor

Pathogenic classification as a basis for pathogenic therapy of
closed injuries of the brain. Vop.neirokhir. 18 no2:3-13 Mar-Apr '54.
(MLRA 7:5)

1. Iz Leningradskogo nauchno-issledovatel'skogo neyrokhirurgicheskogo
instituta imeni prof. A.L. Polenova (Postupila v redaktsiyu 23.IX.1953)
(BRAIN, wounds and injuries, (WOUNDS AND INJURIES,
*classif., pathogen. & ther. *brain, classif., pathogen, &
ther.)

BABCHIN, I.S., professor; GOL'TSMAN, Ye.M.

Treatment of medulloblastomas in children. Vop.neirokhir.
19 no.5:8-13 S-O '55. (MLRA 8:11)

1. Iz Leningradskogo nauchno-issledovatel'skogo neyro-
khirurgicheskogo instituta imeni prof. A.L.Polenova.

(CEREBELLUM, neoplasms,
medulloblastoma in child., ther.)

(MEDULLOBLASTOMA,
cerebellum, ther. in child)

BABCHIN, I. S., redaktor

[Bibliography of scientific works] Bibliograficheski ukazatel'
nauchnykh rabot. Leningradskogo neyrokhirurgicheskogo instituta
im. A.L.Polenova. Pod red. I.S.Babchina. Leningrad, 1956. 276 p.
(MLRA 10:1)

1. Leningrad. Leningradskiy neyrokhirurgicheskii institut
(BIBLIOGRAPHY--MEDICINE)

POLENOV, Andrey L'vovich, professor; BABCHIN, I.S., professor, redaktor;
BONDARCHUK, A.V., professor, redaktor; VASKIN, I.S., dotsent,
redaktor; PISAREVSKIY, A.A., redaktor; RULEVA, M.S., tekhnicheskii
redaktor.

[Selected works] Izbrannye trudy. [Leningrad] Gos. izd-vo med. lit-ry,
Leningradskoe otd-nie, 1956. 365 p. (MIRA 9:11)

1. Deystvite'l'nyy chlen Akademii meditsinskikh nauk SSSR (for Polenov)
(TRAUMATISM)

BABCHIN, I.S., professor

Diagnostic and prognostic significance of the X-ray symptom of the occipital bone in tumors of the cerebral hemispheres. Vop.neirokhir. 20 no.3:3-7 My-Je '56 (MLRA 9:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo neyrokhirurgicheskogo instituta imeni prof. A.L.Plenova.

(BRAIN, neoplasms

diag., x-ray symptom of occipital bone)

(OCCIPITAL BONE, radiol.

x-ray symptom in diag. of brain tumors)

BABCHIN, Isaak Savel'yevich

[Closed injuries of the skull and brain; methodological manual]
Zakrytye povrezhdeniia cherepa i golovnogo mozga; metodicheskoe
posobie. Leningrad, 1958. 38 p. (MIRA 13:9)
(SKULL--WOUNDS AND INJURIES)

BABCHIN, I.S., prof. (Leningrad, 8-ya Sovetskaya ul., d.9/13, kv.12)

L.M. Pussep; a pioneer in Russian neurosurgery. Vest.khir. 80
no.4:145-150 Ap'58 (MIRA 11:5)

(NEUROSURGERY,

in Russia, contribution of Liudvig Pussep (Rus))
(PUSSEP, LIUDVIG MARTYNOVICH, 1857-1924)

BABCHIN, I.S., prof. (Leningrad)

"Orthopedic treatment of spastic paralysis" by M.I. Kuslik:
Reviewed by I.S. Babchin. Vest.khir. 81. no.8:136-137 Ag '58
(MIRA 11:9)

(PARALYSIS)
(ORTHOPEDIA)
(KUSLIK, M.I.)

BABCHIN, I.S., prof., retsenzent (Leningrad, S-130, 8-ya Sovetskaya, d. 9/13,
kv. 12)

Review of I.IA. Razdol'skii's "Tumors of the spine and spinal cord."
Vop.onk. 5 no.5:634-636 '59. (MIRA 12:12)
(SPINE--TUMORS) (SPINAL CORD--TUMORS) (RAZDOL'SKII, I.IA.)

SHAMOV, V.N.; BABCHIN, I.S.; BADMAYEV, K.N.; CHAYKA, T.V.; MANDEL'BOYM, A.B.;
MEYMAN, B.G. (Leningrad)

Some observations on radiogold therapy in inoperable cerebral
tumors. Vop.neirokhir. 23 no.3:1-6 My-Je '59. (MIRA 12:8)

1. Nauchno-issledovatel'skiy neyrokhirurgicheskiy institut
imeni prof.A.L.Polenova.

(BRAIN NEOPLASMS, ther.

radiogold in inoperable tumors (Rus))

(GOLD, radioactive,

ther. of cancer of brain, inoperable cases
(Rus))

BABCHIN, I.S., prof. (Leningrad, S-130, 8-ya Sovetskaya ul., d.9/13, kv.12)

New trends in the diagnosis and treatment of neurosurgical
diseases. Vest.khir. 83 no.7:12-21 J1 '59. (MIRA 12:11)
(NERVOUS SYSTEM--DISEASES)

BABCHIN, I.S., prof.; KHOKHLOVA, V.V. (Leningrad)

Results of combined treatment of medulloblastoma of the cerebellum
in children. Vop.neirokhir. 25 no.1:26-28 Ja '61.

(MIRA 14:2)

1. Neyrokhirurgicheskiy institut imeni prof. A.L. Polenova i
kafedra neyrokhirurgii Gosudarstvennogo iustituta usovershenst-
vovaniya vrachev imeni S.M. Kircva.

(BRAIN--TUMORS)

BABCHIN, I.S.

Andrei L'vovich Polenov; on his 90th birthday. Vest. khir. no.4:
145-146 '62. (MIRA 15:4)

(POLENOV, ANDREI L'VOVICH, 1871-)

BABCHIN, I.S.

BABCHIN, I.S.

Basic problems of the current knowledge on closed cerebrocranial injuries. Rozhl. chir. 41 no.4:250-254 Ap '62.

1. Katedra neurochirurgie Leningradskeho statniho institutu pro doskolovani lekaru S.M. Kirova Leningradsky vedeckovyzkumny neurochirurgicky institut prof. A.L.Polenova.
(BRAIN wds & inj)

BABCHIN, I.S., prof. (Leningrad)

Clinical pathogenetic classification of closed injuries to the
brain. Vop.neirokhir. no.4:4-7 '62. (MIRA 15:9)
(BRAIN--WOUNDS AND INJURIES)

BABCHIN, I.S., prof. (Leningrad)

On "familial" angioreticulomatosis of the cerebellum (Hippel-Lindau disease). Vop.neirokhir. 25 no.1:54-59 '62.

(MIRA 15:1)

1. Kafedra neyrokhirurgii Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M. Kirova i Leningradskogo neyrokhirurgicheskogo instituta imeni prof. A.L. Polenova.
(ANGIOMATOSIS) (CEREBELLUM—TUMORS)

BABCHIN, I.S., prof.; BABANOVA, A.G., doktor med. nauk; BLOKHIN, N.N., prof.; BONDARCHUK, A.V., prof.; GAL'PERIN, M.D., prof.; GOL'DSHTeyN, L.M., prof.[deceased]; DYMARSKIY, L.Yu., kand. med. nauk; KARPOV, N.A., prof.; KOYRO, M.A., nauchn. sotr.; LARIONOV, L.F., prof.; LITVINOVA, Ye.V., kand. med. nauk; MEL'NIKOV, R.A., kand. med. nauk; NECHAYEVA, I.D., doktor med. nauk; PETROV, Nikolay Nikolayevich, prof.; PETROV, Yu.V., kand. med. nauk; RAKOV, A.I., prof.; ROGOVENKO, S.S., kand. med. nauk; SENDUL'SKIY, I.Ya., prof.; SEREBROV, A.I., prof.; SMIRNOVA, I.N., kand. med. nauk; TAL'MAN, I.M., prof.; TOBILEVICH, V.P., prof.; TRUKHALEV, A.I., kand. med. nauk; Kholdin, Semen Abramovich, prof.; CHEKHARINA, Ye.A., kand. med. nauk; CHECHULIN, A.S., kand. med. nauk; SHAAK, V.A., prof.[deceased]; SHANIN, A.P., prof.; SHAPIRO, I.N., prof.[deceased]; SHEMAKINA, T.V., kand. med. nauk; SHERMAN, S.I., prof.; ABRAKOV, L.V., red.; LEBEDEVA, Z.V., tekhn. red.

[Malignant tumors] Zlokachestvennyye opukholi; klinicheskoe rukovodstvo. Leningrad, Medgiz. Vol.3. Pts.1-2. 1962. (MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin, Petrov, Serebrov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kholdin).

(CANCER)

AR'YEV, T.Ya., prof.(Leningrad); BABCHIN, I.S., prof.(Leningrad);
 VAYNSHTEYN, V.G., prof. (Leningrad); GORODETSKIY, Ye.M.,
 kand. med. nauk (Moskva); GRATSIANSKIY, V.P., prof.
 (Leningrad); KORNEV, P.G., prof.(Leningrad); KAPLAN, A.V., prof.
 (Moskva); LEVIT, V.S., zasl. deyatel' nauki, prof.[deceased];
 PSHENICHNIKOV, V.I., prof.(Moskva); RUFANOV, I.G., prof.
 (Moskva); SITENKO, V.M., prof.(Leningrad); SMIRNOV, Ye.V., prof.
 (Leningrad); FRIDLAND, M.O., zasl. deyatel' nauki, prof.(Moskva);
 SHEYNIS, V.N., doktor med. nauk, (Leningrad); SHLAPOBERSKIY,
 V.Ya., prof.(Moskva); VISHNEVSKIY, A.A., prof., red.; GOL'DGAMMER,
 K.K., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Specialized surgery] Chastnaya khirurgia; rukovodstvo dlia vra-
 chei v trekh tomakh. Pod red. A.A. Vishnevskogo i V.S. Levita.
 Moskva, Medgiz. Vol.3.[The extremities] Konechnosti. 1963. 670 p.
 (MIRA 16:5)

1. Deyatvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
 Kornev, Rufanov).

(EXTREMITIES (ANATOMY))--SURGERY)

BABCHIN, I.S., prof.

Characteristics of the clinical aspects and surgical treatment of atypical forms of intracerebral hemorrhages. Vop. neurokhir. 28 no.1:39-44 Ja-F '64. (MIRA 18:1)

1. Kafedra neyrokhirurgii (zav. - prof. I.S. Babchin) Instituta uscvershenstvovaniya vrachey imeni S.M. Kirova (direktor - dotsent S.N. Polikarpov) i Leningradskogo nauchno-issledovatel'skogo neyrokhirurgicheskogo instituta imeni A.L. Polenova (direktor prof. V.M. Ugryumov).

BABCHIN, I.S., prof. (Leningrad)

Pathogenesis, classification and treatment of closed craniocerebral
traumas. Vest. khir. 93 no.9:61-70 S '64. (MIRA 18:4)

BAIKHINA, I.P.

Topographical characteristics of the distribution of diffuse
cancerous metastases in the central nervous system. Zhur. nevr. i
psikh. 56 no.3:240-243 '56 (MLRA 9:7)

1. Klinika nervnykh bolezney (dir.-prof. Ye.L. Venderovich[deceased])
1-go Leningradskogo meditsinskogo instituta imeni I.P. Pavlova.
(CENTRAL NERVOUS SYSTEM, neoplasms,
metastatic diffusion, topography (Rus))

RABCHINA, I.P.

Clinical aspects and pathological anatomy of neuro-optic myelitis
[with summary in French]. Zhur.nevr. i psikh. 85 no.11:1342-1348
N'58 (MIRA 12:1)

1. Kafedra nervnykh bolezney (sav. - prof. D.K. Bogorodinskiy)
I Leningradskogo meditsinskogo instituta im. I.E. Pavlova.
(NERVES, OPTIC, diseases
neuro-optic myelitis, clin. & postmortem pathol. (Rus))
(MYELITIS, case reports
same (Rus))

BABCHINA, I.P.; CHETCHUYEVA, T.A.

Metastases from cancer of the jejunum into the brain and spinal cord
simulating tabes dorsalis. Sbor. trud. Len. nauch. ob-va nevr. i
psikh. no.6:56-63 '59. (MIRA 13:12)

1. Iz kafedry nervnykh bolezney (zav. - prof. D.K. Bogorodinskiy)
i kafedry patologicheskoy anatomii (zav. - prof. M.A. Zakhar'yevskaya)
1-go Leningradskogo meditsinskogo institut imeni akademika I.P.
Pavlova.

(JEJUNUM—CANCER) (BRAIN—CANCER)
(SPINAL CORD—CANCER)

BABCHINA, I.P.

Clinical aspects and diagnosis of diffuse carcinomatosis of the cerebral meninges. Zhur. nevr. i psikh. 61 no.11:1615-1623 '61. (MIRA 15:2)

1. Kafedra nervnykh bolezney (zav. - prof. D.K.Bogorodinskiy)
1-go Leningradskogo meditsinskogo instituta imeni I.P.Pavlova,
Laboratoriya patologii nervnoy sistemy (zav. - akad. N.N.Anichkov)
Instituta eksperimental'noy meditsiny AMN SSSR.
(MENINGES---CANCER)

BABCHEN'SKIY, F.V., podpolkovnik meditsinskoy sluzhby, kand. med.
rank; ZAVODOVSKAYA, E.M.

Effect of hyperoxia on the human body; a review of the
literature. Voen.-med. zhur. no. 1:55-57 Ja '66
(MIRA 19:1)

BABCHINITSERAM818

600

1. BABCHINITSER, M. I., Candidate of Technical Sciences

2. USSR (600)

MMI imeni Bauman (Moscow Mechanical-Machine Bldg Institute imeni Bauman)
"New Methods for Determining the Force of Cylindrical Grinding"
Stanki i Instrument, 12, No. 2, 1941

9. ~~MMI~~ Report U-1503, 4 Oct. 1951

BABCHINITSER, M. I.

"A Portable Instrument for Checking the Geometrical Factors of Cutting Tools,"
Stanki i Instr. 15, No.12, 1944

BABCHINITSER, M. I.

"A Universal Angle Gage for Checking the Grinding Angles of a Multi-Edge Tool," Stanki i Instr., 16, No.9, 1945

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BABCHINITSEK, M.I.																									
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METHODS OF MEASURING THE RELIEF ANGLE OF DRILLS AND COUNTERSINKS. M. I. Babchinitser. (Stanki i Instrument, 1948, No. 2, p. 19). [In Russian]. Methods at present used for the measurement of relief angles are briefly considered and an account is given of a simple and rapid optical method. - u. k.																									
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ASB SLA METALLURGICAL LITERATURE CLASSIFICATION																									
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COMMON ELEMENTS										PROCESSES AND PROPERTIES INDEX										COMMON MATERIALS INDEX									
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BABCHINITSER, M. I. Two-Component Dynamometers for Determination of Forces of Grinding. (In Russian) M. I. Babchinitser. Stanki i Instrument (Machine Tools and Instruments), v. 20, Mar. 1949, p. 22-24. Describes and diagrams above devices designed to determine tangential and radial forces simultaneously during mechanical grinding.																													
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION 32001 STEELING 32002 STEELING 32003 STEELING 32004 STEELING 32005 STEELING 32006 STEELING 32007 STEELING 32008 STEELING 32009 STEELING 32010 STEELING 32011 STEELING 32012 STEELING 32013 STEELING 32014 STEELING 32015 STEELING 32016 STEELING 32017 STEELING 32018 STEELING 32019 STEELING 32020 STEELING 32021 STEELING 32022 STEELING 32023 STEELING 32024 STEELING 32025 STEELING 32026 STEELING 32027 STEELING 32028 STEELING 32029 STEELING 32030 STEELING 32031 STEELING 32032 STEELING 32033 STEELING 32034 STEELING 32035 STEELING 32036 STEELING 32037 STEELING 32038 STEELING 32039 STEELING 32040 STEELING 32041 STEELING 32042 STEELING 32043 STEELING 32044 STEELING 32045 STEELING 32046 STEELING 32047 STEELING 32048 STEELING 32049 STEELING 32050 STEELING 32051 STEELING 32052 STEELING 32053 STEELING 32054 STEELING 32055 STEELING 32056 STEELING 32057 STEELING 32058 STEELING 32059 STEELING 32060 STEELING 32061 STEELING 32062 STEELING 32063 STEELING 32064 STEELING 32065 STEELING 32066 STEELING 32067 STEELING 32068 STEELING 32069 STEELING 32070 STEELING 32071 STEELING 32072 STEELING 32073 STEELING 32074 STEELING 32075 STEELING 32076 STEELING 32077 STEELING 32078 STEELING 32079 STEELING 32080 STEELING 32081 STEELING 32082 STEELING 32083 STEELING 32084 STEELING 32085 STEELING 32086 STEELING 32087 STEELING 32088 STEELING 32089 STEELING 32090 STEELING 32091 STEELING 32092 STEELING 32093 STEELING 32094 STEELING 32095 STEELING 32096 STEELING 32097 STEELING 32098 STEELING 32099 STEELING 32100 STEELING																													

BABCHINITSER, M.I., kandidat tekhnicheskikh nauk.

Scientific-technical terminology in a Russian language
dictionary. Vest.mash.34 no.1:103-105 Ja '54. (MLRA 7:2)
(Encyclopedias and dictionaries)
(Engineering--Terminology)

BABCHINITSER, M.I.

Device for testing small abrasive disks. Med.prom. 11 no.12:46-48
D '57. (MIRA 11:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo
instrumentariya i oborudovaniya
(GRINDING WHEELS)

~~BABCHINITSER, M.I.~~

Geometry of sharpening hypodermic needles. Med.prom. 13
no.7:20-27 J1 '59. (MIRA 12:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo
instrumentariya i oborudovaniya.
(HYPODERMIC NEEDLES)

BABCHINITSER, M.I.

New means and methods of centering optical lenses. Med.prom. 13
no.11:58-60 N '59. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo
instrumentariya i oborudovaniya.
(OPTOMETRY)

BABCHINITSER, M.I.; KOVSHAROVA, L.A. ; SENCHISHCHEV, S.A. ; ZLATOPOL'SKIY, M.A.

In base organizations for standardization. Standartizatsiia 24
no.9:44-45 S '60. (MIRA 13:9)

(Standardization)

BABCHINISTER, M.I.

Modern foreign designs of eyeglass rims for the optical correction
of vision. Med. prom. 14 no.9:60-64 S '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh
instrumentov i ororudovaniya.
(SPECTACLES)

BABCHINITSER, M.I.; KOVSHAROVA, L.A.

Technical standards are an important aid in improving the
quality of medical articles. Med. prom. 16 no.1:7-10 Ja '62.

(MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh
instrumentov i oborudovaniya.

(MEDICAL INSTRUMENTS AND APPARATUS—STANDARDS)

5(3),15(8)

AUTHORS:

Davankov, A. B., Babchinitser, T. M., SOV/156-59-2-37/48
Borzenkova, S. Ya.

TITLE:

Innergranular Chemical Transformations in the Copolymers
of Styrene With Divinylbenzene (O vnutrigranul'nykh khimi-
cheskikh prevrashcheniyakh v sopolimerakh stirola s divinil-
benzolom)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya
tekhnologiya, 1959, Nr 2, pp 363-367 (USSR)

ABSTRACT:

The authors investigated two forms of the chemical reaction
in the polymers mentioned in the title, which were used in
granulated form (diameter 0.25-2.0 mm): 1) Nitriding with
following reduction of the nitrogen group, and 2) Chloro-
methylating with following substitution of the chlorine atoms
through aminogroups. Copolymers with a content of 2, 3, 4,
and 10 % divinylbenzene were nitrified. After nitriding, the
nitrogen content averaged 12-14 % (Table 1). A high content
of divinylbenzene aggravated the nitriding and resulted in
a lower nitrogen content. The nitrified granulate was of yellow
color and its mechanical hardness decreased. The reduction
was carried out - after an unsatisfactory trial with zinc -

Card 1/3

Innergranular Chemical Transformations in the
Copolymers of Styrene With Divinylbenzene

SOV/156-59-2-37/48

with tin (II) chloride in hydrochloric acid. With increasing interlacing of the copolymers, the force of the reaction decreases (Table 2). The static anion-interchangeability of the best resin test-pieces amounted to 6.25 mg-equiv/g for 0.5-normal hydrochloric acid and 7.75 mg-equiv/g for 0.5-normal sulphuric acid. During the second series of tests, copolymers with a divinylbenzene content of 2, 4, 6, 8, and 10 % were treated with chloromethylether (Table 3) and their chlorine content was determined. The copolymers with a Cl-content of 18-19 % were substituted with trimethylamine. The rest-content of chlorine amounted to 7-10 %, the nitrogen content to 2-2.5 %. When treated with pyridine instead of trimethylamine, the copolymers contained 9 % chlorine and also 2-2.5 % N. The static anion-interchangeability was 2-3 mg-equiv/g for 0.1-normal hydrochloric acid. There are 3 tables and 4 references, 2 of which are Soviet.

Card 2/3

Innergranular Chemical Transformations in the
Copolymers of Styrene With Divinylbenzene

SOV/156-59-2-37/48

PRESENTED BY: Kafedra tekhnologii plastmass Moskovskogo khimiko-tekhnologicheskogo instituta im. D. I. Mendeleyeva (Chair for the Technology of Plastics Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: December 11, 1958

Card 3/3

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11.2219

S/190/60/002/004/004/020
B004/B056

AUTHORS: Korshak, V. V., Vinogradova, S. V., Babchinitser, T. M.

TITLE: Investigation in the Field of Coordination Polymers. III.
Coordination Polymers on the Basis of Bis-(8-hydroxy-
quinolyl)-methane

PERIODICAL: Vysokomolekulyarnyye soyedineniya, 1960. Vol. 2. No. 4, X
pp. 498-507

TEXT: In the present paper, the authors give a report on the synthesis of coordination polymers of bis-(8-hydroxyquinolyl)-methane (Oq) with zinc, nickel, cadmium, cobalt, manganese, and copper, as well as of mixed coordination polymers of Oq with quinizarin (q). Oq was synthesized by reaction of o-hydroxyquinoline with formaldehyde in concentrated sulfuric acid. Polymerization was carried out with the acetylacetonate of the metal in nitrogen current, and finally in vacuum at 220°C, or in a nitrogen current or dimethylformamide at 120 - 140°C, or in dinitrile at 230°C. Table 1 gives the analyses and structural formulas, Table 2 the

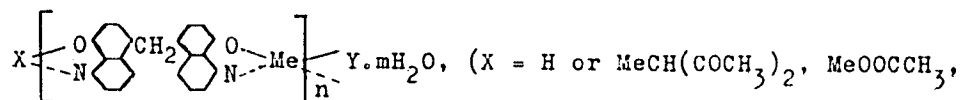
Card 1/4

Investigation in the Field of Coordination
Polymers. III. Coordination Polymers on the
Basis of Bis-(8-hydroxyquinolyl)-methane

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coloring, the results of the X-ray structural analysis, the molecular weight, and the behavior during heating for Oq polymers. The following structural formula is assumed:



Me CH(COCH₃)₂, Me(OOCCH₃)₂, Y = Oq radical, CH(COCH₃)₂, OOCCH₃,
CH(COCH₃)₂ or (OOCCH₃)₂. Polymeric coordination compounds were obtained.

Low-molecular compounds (trimer and dimer) were formed only with copper and nickel. Within the temperature range 250 - 320°C decomposition sets in. Fig. 1 shows the thermomechanical curve of the zinc compound of Oq. The majority of polymers have a crystal structure. Fig. 2 shows the X-ray picture of the Oq compound with zinc and cadmium. The authors further produced mixed polymers: a) with Oq and two different metals (Zn + Cu; Zn + Cd); b) with Oq + Q and Co, Mn, Cu. Analyses, coloring, structural

Card 2/4

Investigation in the Field of Coordination
Polymers. III. Coordination Polymers on the
Basis of Bis-(8-hydroxyquinolyl)-methane

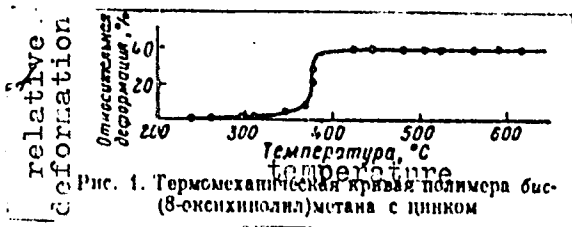
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formulas, and behavior during heating are given for these compounds in
Tables 3 and 4. Analysis shows that Oq has a higher complex-forming
activity than Q. Therefore, the polymers contained more Oq than Q.
The authors thank the collaborators of the laboratories headed by G. L.
Slonimskiy and A. I. Kitaygorodskiy for thermomechanical and X-ray
structural analyses. There are 2 figures, 4 tables, and 3 references:
2 Soviet and 1 German.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR
(Institute of Elemental-organic Compounds AS USSR)

SUBMITTED: December 17, 1959

Card 3/4



Legend to Fig. 1: Thermomechanical curve of the polymer of the bis-(8-hydroxyquinolyl)-methane with zinc.

Card 4/4

KORSHAK, V.V.; VINOGRADOVA, S.V.; ARTEMOVA, V.A.; BABCHINITSER, T.M.;
PAVLOV, S.A.

Laws governing polycoordination and new coordination polymers.
Vysokom.soed. 3 no.7:1117 J1 '61. (MIRA 14:6)
(Polymerization)

15 8340

29733
S/190/61/003/011/002/016
B124/B101

AUTHORS: Korshak, V. V., Slinkin, A. A., Vinogradova, S. V.,
Babchinitser, T. N.

TITLE: Study in the field of coordination chain polymers.
VIII. Coordination polymers based on bis-(8-hydroxy-
quinolyl)methane, quinizarin, and 4,4'-bis-(aceto-
acetyl)phenyl ether

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 11, 1961,
1624-1632

TEXT: The synthesis of mixed coordination polymers of bis-(8-hydroxy-
quinolyl)methane (I) and quinizarin (II), (I) and 4,4'-bis-(aceto-
acetyl)phenyl ether (III) with various metals is described, and the
magnetic properties of some coordination polymers of (II), (I), and (III)
are studied. Compositions, structures, and properties of the synthesized
coordination polymers are given. X-ray data indicate that the
homogeneous coordination polymers exhibit a more or less ordered
structure. The solubilities of the homogeneous and the mixed coordination
Card 1/2

Study in the field of...

29733
S/190/61/003/011/002/016
B124/B101

polymers in organic solvents are extremely low; only the mixed coordination polymers of (I) and (III) with Cu are soluble in cresol. The temperature dependence of the magnetic susceptibility (χ) as well as the magnetic moment and the Weiss constant calculated from the magnetic susceptibility are given for a number of coordination polymers on the basis of (II), (I), and (III). Conclusions as to the configurations of Co, Mn, and Ni in the polymers were drawn from the magnetic properties. The authors thank the staff of the Laboratories of INOES AN SSSR under the guidance of A. I. Kitaygorodskiy and N. E. Gel'man. There are 3 figures, 3 tables, and 7 references: 6 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: D. P. Craig, A. Maccoll, R. S. Nyholm, L. E. Orgel, L. E. Sutton, J. Chem. Soc. 1954, 332, 354.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR
(Institute of Elemental Organic Compounds, AS USSR).
Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR
(Institute of Organic Chemistry imeni N. D. Zelinskoy, AS USSR)

SUBMITTED: November 16, 1960

Card 2/2

L 17232-63

Pr-4--RM/WW/MAY

ACCESSION NR: AP3006594

BDS/EWT(m)/EPR/EWP(j)/EPF(c)--AFFTC/ASD--Ps-4/Pc-4/

S/0020/63/151/006/1332/1334

AUTHOR: Korshak, V. V. (Corresponding member, AN SSSR); Mozgova, K. K.; Babchinitser, T. M.

TITLE: Preparation of graft copolymers. Copolymers of polytetrafluoroethylene and methyl methacrylate

SOURCE: AN SSSR. Doklady*, v. 151, no. 6, 1963, 1332-1334

TOPIC TAGS: polytetrafluoroethylene, teflon, methyl methacrylate, copolymer, polytetrafluoroethylene poly(methyl methacrylate) copolymer, silent electrical discharge, activation, adhesive strength, silent electrical discharge activation, infrared spectra, graft copolymer, polymer metal adhesion, activation mechanism, property modification

ABSTRACT: Copolymerization of methyl methacrylate with films of polytetrafluoroethylene (PTFE) preactivated by the silent-discharge method have been studied in an attempt to improve the poor adhesive properties of PTFE. The elemental composition, infrared spectra,

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L 17232-63

ACCESSION NR: AP3006594

and adhesion to metals of the graft copolymers were determined. The PTFE film was activated by silent discharge (frequency, 50 cps; voltage, 22—30 kv) in a mixture of air and oxygen for 10—30 min in a specially constructed apparatus. The activated PTFE film was then placed in a vessel containing methyl methacrylate, and bulk polymerization of the methyl methacrylate was conducted at 85—90°C, to a degree of conversion of 4—5%. The film was then treated with boiling dichloroethane and acetone to remove the homopolymer and dried to constant weight. The properties of the dry film were determined and compared with the properties of the initial PTFE. Table 1 of the Enclosure shows the results of the grafting of methyl methacrylate to a PTFE film 40 μ thick. In individual experiments yields of 7—8% on the initial PTFE were obtained for the grafted layer. Comparison of the infrared spectra of the initial and the grafted PTFE shows two new absorption bands, 3000 cm^{-1} and 1450 cm^{-1} , for the latter, corresponding to the valency and deformation vibrations of the CH_3 groups. The grafted PTFE-to-steel adhesive bond strength ranged from 5 to 25 kg/cm^2 , depending on the amount of methyl methacrylate grafted. It was assumed that

Card 2/4 Z

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ACCESSION NR: AP3006594

4

in the activation of the film, gas ionization due to the silent electrical discharge led to the formation of reactive radicals on the surface of the PTFE film. These radicals initiate the grafting reaction. With the cooperation of Ya. S. Lebedev of the Institut khimicheskoy fiziki AN SSSR (Institute of Chemical Physics, AN SSSR) the authors studied the EPR of the activated film, but did not obtain characteristic polymeric or peroxide radicals of PTFE, such as were obtained by Rextroad and Gordy (H. N. Rextroad, N. Gordy, J. Chem. Phys. 30, 395, (1959)) on irradiation of PTFE. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Organoelemental Compounds, Academy of Sciences SSSR)

SUBMITTED: 20May63

DATA ACQ: 27Sep63

ENCL: 01

SUB CODE: CH, MA

NO REF SOV: 001

OTHER: 002

Card 3/4 3

KORSHAK, V.V.; MOZGOVA, K.K.; BABCHINITSER, T.M.

Preparation of graft copolymers. Part 14: Copolymers of
polytrifluoroethylene and vinyl monomers. Vysokom. soed. 5
no.10:1451-1456 0 '63. (MIRA 17:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ACCESSION NR: AP4033389

8/0062/64/000/004/0716/0720

AUTHOR: Korshak, V. V.; Mozgova, K. K.; Babchinitser, T. M.

TITLE: Production of graft copolymers. Communication 17: copolymers of polytrifluorochloroethylene with vinyl monomers.

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 4, 1964, 716-720 and bottom half of insert facing p. 712

TOPIC TAGS: graft copolymer, polytrifluorochloroethylene, polytrifluorochloroethylene styrene graft copolymer, polymer film, powder, x ray analysis, crystallinity, solvent stability, swelling, polymer morphology, activation center, mechanism

ABSTRACT: As a continuation of their earlier work (Vy*sokomolekul. soyedineniya 5, 1451, (1963)), the authors studied the process of grafting vinyl monomers onto polytrifluorochloroethylene films. It is possible to form graft copolymers of polytrifluorochloroethylene and styrene without activating the initial polymer; the maximum yield was about 10%, based on initial sample, of grafted layer. X-ray studies showed the graft does not change the crystallinity of polytrifluorochloroethylene. The stability to solvents compared with copolymers formed by radiation

Card 1/2

ACCESSION NR: AP4033389

Grafting: weight loss after 50 hours in boiling benzene was 1.8-2%. Swelling reaches a maximum in 10 minutes and amounts to 10% of the weight of the film. A study of the grafting process at 75 C indicated reaction was most rapid in the first 6-8 hours, with 6.5-7.5% yield; reaction for 16 hours increased the yield by only 1.5-2%. The greater activity of the polytrifluorochloroethylene film than of the powdered polymer toward grafting indicates the presence of activation centers which may be formed by thermal oxidation during processing, and is also attributed to the morphology of the polymer. Orig. art. has: 1 equation, 7 figures and 1 table.

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk SSSR
(Institute of Organometallic Compounds, Academy of Sciences, SSSR)

SUBMITTED: 10Oct62

ENCL: 00

OTHER: 005

SUB CODE: OC, MT

NO REF SOV: 005

Card

2/2

L 32590-66 EWT(m)/ENP(v)/ENP(j)/T IJP(c) WW/JWD/DJ/RM
ACC NR: AR5023721 SOURCE CODE: UR/0081/65/000/013/S010/S010

AUTHOR: Korshak, V. V.; Mozgova, K. K.; Babchinitser, T. M. 19 13

TITLE: Modification of the properties of fluorine-containing polymers 11

SOURCE: Ref. zh. Khimiya, Abs. 13S59

REF SOURCE: Sb. Tezisy dokl. Vses. konferentsii po khimii ftororgan. soyedineniy. Novosibirsk, 1964, 27

TOPIC TAGS: polytetrafluoroethylene, polytrifluorochloroethylene, styrene, methylmethacrylate, adhesion

ABSTRACT: In order to increase the adhesion to metals of polytrifluoroethylenechloride, a polytetrafluoroethylene graft of styrene, methylmethacrylate and other monomers was made to films of these polymers. To increase the activation process of the film, it was previously conditioned by a slow electric discharge. The results of the studies of the reaction mechanism of fluorine layers with vinyl monomers are given. A. Sorokin

SUB CODE: 11,20/ SUBM DATE: 10Jul65

Card 1/1 BK

AID P - 5124

Subject : USSR/Aeronautics - training
Card 1/1 Pub. 135 - 9/26
Author : Babchinskiy, F. V., Lt. Col. of med. service
Title : Training of flying personnel in the use of oxygen equipment.
Periodical : Vest. vozd. flota, 10, 49-52, 0 1956
Abstract : The training of the flying personnel in the use of oxygen equipment, as was carried out in a unit, is described in detail. The article is of some informative value.
Institution : None
Submitted : No date .

KOVALENKO, Ye.A.; BABCHINSKIY, F.V.

Respiration under increased oxygen pressure and tension in the
brain tissues. Fiziol. zhur. 48 no.4:449-454 Ap '62. (MIRA 15:6)

(RESPIRATION)

(ATMOSPHERIC PRESSURE ~~PHYSIOLOGICAL~~ EFFECT)

(BRAIN)

(OXYGEN IN THE BODY)

S/239/62/048/010/001/004
1015/1215

AUTHORS: Kovalenko, Ye. A., Babchinskiy, P.V. (Moscow)
TITLE: The effect of compensation of the excessive
intrapulmonary pressure, on oxygen tension in
brain tissue at high altitudes
PERIODICAL: Fiziologicheskii zhurnal SSSR im I.M. Sechenova
v. 48, no. 10, 1962, 1203-1208

TEXT: The pathophysiological mechanism of disorders
resulting from increased intrapulmonary pressure -- which is not
completely compensated by a pressure-dress -- has been insuffi-
ciently studied. Experiments were carried out on 10 dogs with
platinum electrodes inserted into the cortex and subcortex. The

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S/239/62/048/010/001/004
I015/I215

The effect of compensation....

oxygen tension was determined polarographically and was accepted in the brain as 100% at sea level conditions. The recording was performed according to galvanometric indications and in some cases also with a photokymograph. The pulse rate and respiration were also recorded. The experiments were carried out in a pressure cabin. The dogs were dressed with a pressure-dress prior to the experiments. Pure oxygen was administered continuously. Excessive pressure was maintained at altitudes of 12000 m and more (145 mm Hg, including the pressure of the surrounding atmosphere). It was found that the oxygen tension in the brain tissue depended on the adequate compensation technique. Respiratory and cardiac disorders were not found. A rapid ascending of the dogs to altitudes of 15, 17 and 20 thousand meters and the production

Card 2/3

S/239/62/048/010/001/004
I015/I215

The effect of compensation...

of excess intrapulmonary pressure of 800, 1100 and 1400 mm H₂O without any compensation brought about respiratory and cardiac arrest within a few minutes. It is assumed that not only hypoxia of the brain but also reflex disorders of respiratory and cardiac activity are involved in the mechanism of the pathologic effect of non-compensated or inadequately compensated intrapulmonary pressure at high altitudes. There are 4 figures.

SUBMITTED: October 13, 1961

Card 3/3

BABCHINSKIY, F.V., kand.med.nauk (Moskva)

Characteristics of speech disorders during breathing under excessive pressure. Vest. oterin. 25 no.5:10-14 S-O '63. (MIRA 17:4)

BABCHINSKIY, B.V., podpolkovnik meditsinskoy sluzhby, kand. med. nauk

Signalling device for the detection of hypoxic conditions and
methods for the restoration of the respiratory function. Voenn.-med.
zhurn. no.10:85-87 '64. (MIRA 18:5)

BABCHINTSER, M.I.; IL'CHENKO, L.I.

Branch specifications for electronic medical devices. Trudy
VNIIMIO no.3:195-208 '63 (MIRA 18:2)

TARATUTA, V.N.; BABCHUK, I.V.

There will not be economically weak farms. Zashch. rast. ot
vred. i bol. 9 no.1:4-6 '64. (MIRA 17:4)

1. Nachal'nik Khmel'nitskogo proizvodstvennogo kol'khozno-sovkhoznogo upravleniya (for Taratuta). 2. Nachal'nik Vinnitskoy oblastnoy stantsii zashchity rasteniy (for Babchuk).

BABCHUK, M.O.; GRISHILO, L.I. [Hryshylo, L.I.]

Leather for the welts of footwear made on the semiautomatic
FKP-1 machine. Leh. prom. no. 4:30-31 O-D '64 (MIRA 18:1)

BABCHUK, P.

Needed changes in the training of volunteer fire chiefs. Pozh.delo
6 no.12:31 D '60. (MIRA 13:12)

1. Starshiy pozharnyy inspektor Lyubimskogo rayona Yaroslavskoy
oblasti.

(Firemen--Education and training)

FAVLOV, V.V. (Kiyev); BABCHUK, V.G. [Rabochiy, V.E.] (Kiyev)

Invariance to ϵ and criticality of the tuning of invariance
conditions in nonlinear automatic control systems. Avtomatizatsiya
9 no.3:70-72 '64 (MIRA 17:7)

PAKUTA, R.; LEWINSON, L.; ~~BABCZYNSKA, F.~~

Variability of *Streptococcus viridans* under the effect of
sulfathiazole, penicillin, and chloramphenicol. Zhur.mikro-
biol. epid. i immun. no.8:115 Ag '55 (MLRA 8:11)
(STREPTOCOCCUS) (ANTIBIOTICS) (SULFATHIAZOLE)

BABCZYNSKI, F.

(DROGOWNICTWO, Vol. 8, No. 8, Aug. 1953, Warsaw, Poland)

"Some remarks concerning the production and use of asphalt coating." p. 209

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS. L.C., Vol. 3, No. 4, APRIL 1954

BRN 575574, 1ADW106

HIRSZFELDOWA, Hanna; SKURSKA, Zofia; ZOPOTH, Janina; SYGNATOWICZ, Janina;
HAAS, Wiktor; BABCZYSZYN, Jadwiga; MAKOWER, Henryk

Studies on aerobic flora in the intestines in diarrhea in
children with special reference to Paracolobactrum. Med. dosw.
mikrob. 8 no.4:405-426 1956.

1. Z I Kliniki Dzieciecej A.M., z Dzialu Wirusologii Inst. Immun.
i Ter. Dosw. P.A.N. orag z Oddzialu biegunkowego Szpitala im.
Korczaka we Wroclawiu.

(DIARRHEA, in infant and child,
fecal Paracolobactrum (Pol))

(FECES, microbiology,

Paracolobactrum in diarrhea in child. (Pol))

(PARACOLOBACTRUM,

fecal in diarrhea in child (Pol))

KOSSOWSKI, Stanislaw; DURLAKOWA, Irena; AGOSTOWICZ, Grzegorz; MARCZ-
BABCZYK, Jadwiga; KUSTRZYCKA, Helena; PRZYNDOK-HESSEK,
Anna; CYRULIŃSKA, Jadwiga; LUSAR, Zofia

Clinical, bacteriological and serological studies on chronic
atrophic fetid nasopharyngitis. Arch. immun. ther. exp. 12
no.4:483-490 '64

Clinical, bacteriological and serological studies on chronic
atrophic nonfetid nasopharyngitis and laryngitis. Ibid.:
491-496

1. Department of Bacteriology, Institute of Immunology and
Experimental Therapy, Polish Academy of Sciences, Wrocław;
The Laryngological Clinic, School of Medicine, Wrocław,
and Department of Microbiology, School of Medicine, Wrocław.

BABDZHAN, A A

73, 5
732.08
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Opyt novatorov medeplavil'noy promyshlennosti urala (Experience of innovators in the copper industry of the Urals) Svel'dlovsk, Metallurgizdat, 1953.

133 p. diagrs., pots, tables.

"Literatura": p. 132.

ББК 65.

Tendencies and correlations in the development of the
production assets of industrial enterprises. Problems
econ 17 no.10:16-30 O '64.

BABF. A.

Characteristics of the state budget in socialism. Problems
econ 18 no.2:18-30 F '65.

BABECKI, J.

O zdrowiu i jego ochronie (About health and its protection)

SO: NOWE KSIĄZKI#L, Jan 56, Unclassified.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102820006-2

BABECKI J.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102820006-2"

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102820006-2

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102820006-2"

PROJECT, J. L.

JANOSY, L.

21(1) PHASE I BOOK EXPLOITATION ENR/1911

International Conference on Cosmic Radiation. Budapest, 1956.
International Conference on Cosmic Radiation Organized by the
Hungarian Academy of Sciences. Budapest, 1957. 187 p.
200 copies printed.

Sponsoring Agency: Magyar Tudományos Akademia

Eds.: E. Fenyves, and A. Somogyi

PURPOSE: This report is intended for geophysicists concerned with
cosmic radiation.

CONTENTS: This report contains the six plenary sessions of the
conference. Some of the problems dealt with include nuclear
emulsions, extensive air showers and the program of cosmic
ray measurements planned for the International Geophysical
Year. Most of the reports are followed by references. Soviet
scientists in the field of cosmic radiation who attended the
conference are: E.L. Andronikashvili, A.I. Dobrotin, I.I.
Gurevich, S.L. Nikol'skiy and S.M. Vernov. The articles are
written in English, German and Russian without parallel trans-
lation.

Card 1/6

International Conferences (Cont.)

3. Nikol'skiy, S.L. The Study of Nuclear Active Components of
Extensive Atmospheric Showers of Cosmic Rays 50
4. Vernov, S.M. and Zatsapin, G.Z. Height Dependence and the
Problem of the Core of Extensive Atmospheric Showers (not incl.)
5. Chudakov, A.Ye. Cherenkov Radiation of Extensive Atmos-
pheric Showers of Cosmic Rays 57
6. Andronikashvili, E.L., and M.P. Bibilashvili. The Study of
the Spatial Dispersion of Penetrating Particles of Ex-
tensive Atmospheric Showers 63

THIRD SESSION

EXTENSIVE AIR SHOWERS

1. Babicki, J.L., Jurkiewicz, and J.M. Kasalak. The Transi-
tion Curve of the Electron-Photon Component of Extensive Air
Showers in Lead Absorbers of Thicknesses Between 0 and 25 cm. 73
2. Janosy, L., T. Sander, and A. Somogyi. Investigation of
Extensive Air Showers 230 m. Above Sea Level 96

Card 1/6

BIBLIOGRAPHY

POLAND/Nuclear Physics - Cosmic Rays

C-7

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 15208

Author : Babiecki J., Jurkiewicz L., Massalski J.M., Mieswicz M.
Inst : Institute of Nuclear Research, Polish Academy of Sciences,
Academy of Mining and Metallurgy, Krakow, Poland
Title : The Transition Curve of the Electron-Photon Component of Ex-
tensive Air Showers in Lead Absorber of Thickness Between
0 and 25 cm.

Orig Pub : Acta phys. polon., 1957, 16, No 1-2, 119-133

Abstract : Measurements were made of the absorption curve for particles
of extensive atmospheric showers with the aid of the ordin-
ary setup for the registration of extensive showers, consis-
ting of three rows counters and a telescope, consisting of
three rows of counters of large area. Simultaneously, there
were recorded eight types of coincidences at two positions of
the lead absorber with respect to the rows of the telescope
counters. The thickness of the absorber was varied from 0 to
25 cm. On the basis of the results obtained the authors have

Card : 1/2

15

POLAND/Nuclear Physics - Cosmic Rays.

C

Abs Jour : Pol Star Fizika, No 12, 1959, 26957

Author : Babecki, Jan

Inst : Institute of Nuclear Research, Krakow, Poland

Title : Analysis of the Influence of Low Energy Penetrating
Photons on the Absorption of Extensive Air Showers in
Lead

Orig Pub : Acta phys. polon., 1958, 17, No 6, 409-415

Abstract : An experimental study was made of the absorption of
strongly penetrating photons of extensive atmospheric
showers under great thicknesses of lead. Correspond-
ing absorption curves were obtained, with which it
was possible to calculate, for various thicknesses,
the average number of strongly penetrating photons
leaving the absorber during one act of coincidence,

Card 1/2

BANECKI, J.

Great cosmic-ray showers and their relation to the study of collision with high-energy particles. p. 187

KOLMO, SERIA B: PRZYroda NIECZYWIONA. (Polskie Towarzystwo Przyrodników im. Kopernika) Warszawa, Poland. Vol. 5, no. 3, 1959.

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

Uncl.

BABECKI, J.

3
/ Analysis of the influence of low-energy penetrating photons on the absorption of extensive air showers in lead. J. Babceki (Inst. Badań Jądrowych, Warsaw). Polish Acad. Sci. Inst. Nuclear Research Rept. No. 78/VI, 9 pp. (1959)(in English).--An app. composed of a detector of extensive showers and a counter telescope contg. 3 trays was used to study the effect of penetrating 1.2-7-m.e.v. photons on the absorption of air showers in Pb. The absorption curves, i.e., no. of penetrating photons under the absorber per electron falling on the absorber vs. the absorber thickness, are given and discussed. A. Szafranski

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SS

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GRIGOROV, N.L.; TRETYAKOVA, C.A.; SHESTOPIEROV, V.J.; BABAYAN, C.P.;
BAYADSYAN, N.G.; BABECKI, J.; LOSKIEWICZ, J.; MASSALSKI, J.;
OLES, A.

Investigations of energy particles interactions with atomic
nuclei at the mountain altitudes. Nukleonika 7 no.12:
759-767 '62.

1. Institute of Nuclear Physics, University of Moscow, Moscow
(for Grigorov, Tretyakova, Shestopierov). 2. Armenian Academy
of Sciences, Institute of Nuclear Physics, Erevan (for Babayan
and Bayadsyn). 3. Institute of Nuclear Research, Laboratory of
High Energy Physics, Krakow, Polish Academy of Sciences (for
Babecki, Loskiewicz, Massalski, Oles).

BABECKI, Jan

The Pb - ~~α~~ method of determining the absolute age of volcanic rocks. Przegl geol 11 no.1:30-35 Ja '63.

1. Zaklad VI, Instytut Badan Jadrowych, Krakow.

BABECKI, J.; BUJA, Z.; MASSALSKI, J.; NIZIOL, B.

Energy spectrum of photons from decay of Υ^0 -mesons generated in nuclear interactions at the altitude of 3200 m. above sea level. Acta physica Pol 24 no.3:373- 380 8'63.

1. Institute of Nuclear Research, Laboratory of High Energy Physics, Krakow Department.

BABECKI, Jan

"Mesons, gravitation, antimatter." Reviewed by Jan Babecki.
Postepy fizyki 14 no. 4: 495 '63.

MU, H.; HASEGAWA, T.; KAWABE, T.; KAWABE, T.

The four momentum transfer between groups of particles in cosmic ray jets of very high energies. Acta physica Pol 36 no.1:71-76 J1 '64.

1. Institute of Nuclear Research, Laboratory of High Energy Physics, Krakow, Polish Academy of Sciences (for Hasegawa, Coghren, Miesowicz). 2. University of Tokyo, Institute for Nuclear Studies, Tokyo (for Mu).

BABECKI, W.J.

In Memoriam Dr. Adam Huszcza. Polski tygod.lek.15 no.10:367-368
7 Mr '60.

(OBITUARIES)

BAHEJ, K.; LIVANCOVA-BROZOVA, V.

Ventricular gradient in newborn infants. Cesk.pediat.15 no.10:
896-900 0'60.

1. II. detska klinika FDL, prednosta prof. MUDr. J.Houstek,
Skolitel as. MUDr. I.Bor.
(ELECTROCARDIOGRAPHY)
(INFANT NEZBORN physiol)

CZECHOSLOVAKIA

SVIHOVEC, J.; VOLICER, L.; BABEK, M.; Chair of Pharmacology (Katedra Farmakologie) FDL [Abbreviation not explained], Pharmacological Institute, Czechoslovak Academy of Sciences (Farmakologicky Ustav CSAV), Prague.

"The Influence of Reserpine on the Pressor Effect of Angiotensin, Noradrenalin, and Tyramine."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 395

Abstract: The pressor effect of angiotensin (AT), noradrenalin (NA), and of tyramine (TY) was investigated on reserpinized dogs. Reserpinization increased the pressor effect of AT and NA, but decreased that of TY. An infusion of NA in reserpinized dogs somewhat increased the effect of AT, and completely restored the effect of TY. Infusion of AT did not change the effect of NA. Reserpinization did not affect the action of AT and NA on heart beat frequency, but eliminated the action of TY on normal tachycardia. 2 Western, 1 Japanese reference. Submitted at 14 Days of Pharmacology at Smolenice 15 Feb 66.

1/1

2014-50 L 05115-62 JK
ACC NR: AP6032380

SOURCE CODE: CZ/0053/66/015/005/0404/0404

AUTHOR: Friedrich, R.; Svihovec, J.; Stulc, J.; Babej, M. 21
B

ORG: Department of Pharmacology of the Pediatrics Faculty, Prague (Katedra farmakologie fakulty detskeho lekarstvi)

TITLE: The effect of staphylococcal toxin on the permeability of smooth muscle membrane (diaphragm) to potassium

SOURCE: Ceskoslovenska fysiologie, v. 15, no. 5, 1966, 404

TOPIC TAGS: toxicology, muscle physiology, biochemistry, permeability measurement

ABSTRACT: The changes in the permeability of smooth muscle membrane (diaphragm) to potassium caused by the staphylococcal toxin were studied. It was found that following the application of the haemolytic units (dosage 36, and 7, 2) the intensity of diffusion of K^{42} from the tissue considerably increases and reaches a maximum in about 20 minutes. Then, it begins to decrease, and after 80—120 minutes it returns to the normal level despite the fact that toxin contact with muscle membrane remained unabated. The conclusion is that the permeability changes

Card 1/2

L 05115-67

ACC NR: AP6032380

experienced in this process do not cause any irreversible damage to smooth muscle membrane, and that these changes are not a decisive factor in the development of muscle contraction. [WA 50] [KP]

SUB CODE: 06/ SUBM DATE: none/

Card 2/2

ymb

STIBRANI, Ivan, inz.; BABEK, Frantisek

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