16.5000
24.4600

S/058/62/000/003/020/092
A061/A101

AUTHORS: Bogush, A. A., Fedorov, F. I.

TITLE: General transformation of the Lorentz group representation in the
               bi-spinor space

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1962, 34, abstract 3A325 (Dokl.
               AN BSSR, 1961, v. 5, no. 8, 327 - 330)

TEXT: Formulas are obtained for the transformation of bi-spinors in an ar-
bitrary Lorentz transformation, if the latter is given by the complex vector q
(see RZhFiz, 10A108).

[Abstracter's note: Complete translation]

Card 1/1

BOGUSH, A.A.

.Transformation of wave functions for the 1/2, 0, 1 spin. Dokl.
AN BSSR 6 no.1:22-25 Ja '62.

(MIRA 15:2)

1. Institut fiziki AN BSSR. Predstavleno akademikom AN BSSR
M.A.Yel'yashevichem.

(Nuclear spin)

· ·

ʃ6. 1500

AUTHOR: Bogush, A. A. and Fedorov, F. I.

TITLE: On the properties of the matrices of Daffin-Kemmer

PERIODICAL: Akademiya nauk Belaruskaya SSR. Doklady, v. 6, no. 2, 1962, 81–85

TEXT: The most important properties of the Daffin-Kemmer matrices are obtained on the basis of general considerations. The following representation of the matrix β_μ with the aid of the projective operations $P^{(k)}$ and $\bar{P}^{(k)}$ (separating respectively the scalar and vector (tensor) part of the k-dimensional space: $k = 5, 10$) is used as starting point:

$$\beta_\mu = P\beta_\mu \bar{P} + \bar{P}\beta_\mu P \qquad (3)$$

The rules of commutation are obtained from here:

$$\beta_\mu P + P\beta_\mu = \beta_\mu; \quad \beta_\mu \bar{P} + \bar{P}\beta_\mu = \beta_\mu \qquad (5)$$

The general form of the projective operators P and $\bar{P}$ is then obtained:

$$\bar{P} = \frac{\beta^2 - a_1}{a_2 - a_1}, \quad P = \frac{\beta^2 - a_2}{a_1 - a_2} \qquad (10)$$

Card 1/2

On the properties of the...

where $\beta^2 = \sum_\mu \beta_\mu$, $a_1^{(5)} = 4$, $a_2^{(5)} = 1$; $a_1^{(10)} = 3$, $a_2^{(10)} = 2$, $^{(23)}$ Lastly, a general expression for the spur of the product of any number of 10-dimensional Daffin-Kemmer matrices is determined. The most important English-language reference read as follows: Harich-Chandra, Proc. Roy. Soc., 18, 502, 1946; M. Neuman, E. H. Furry, Phys. Rev. 76, 1677, 1949.

ASSOCIATION: Institut fiziki AN BSSR (Institute of Physics of AS BSSR)

SUBMITTED: November 3, 1961

Card 2/2

24.6610

S/056/62/043/005/049/058
B125/B104

AUTHORS: Bogush, A. A., Satsunkevich, I. S.

TITLE: Electron-proton scattering with consideration of the dipole
              moments

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,
              no. 5 (11), 1962, 1953-1956

TEXT: The differential e-p scattering cross sections are determined in
Born approximation for the following cases: (1) the initial and the final
longitudinal polarizations of both particles are fixed. (2) Only initial
polarizations are considered. (3) Unpolarized particles. The 16 cross
sections

$$d\sigma_{u\,\epsilon_i,\,\epsilon_i';\,\epsilon_i,\,\epsilon_i'} / d\Omega = \alpha^2 \,[2p^2\nu(p_0 + p_0')]^{-2}\,\{|M_{\epsilon_i,\,\epsilon_i';\,\epsilon_i,\,\epsilon_i'}|^2\};$$

$$|M_{\epsilon,\,\epsilon;\,\epsilon,\,\epsilon}|^2 = \mu^2 f_1^2\,(p^2 + p_0 p_0')^2,$$

(6)

$$|M_{\epsilon,\,\xi-\epsilon;\,\epsilon,\,-\xi}|^2 = \nu^2\,\{f_1\,[\eta^{-1}\,(p^2 + p_0 p_0') + 2p^2] + 4f_2 \varkappa p^2\}^2,$$

Card 1/5

Electron-proton scattering ...

$$|M_{\varepsilon_1,\varepsilon_1;\varepsilon_1,-\varepsilon_1}|^2 = \mu v f_1^2 \varkappa'^2 p_0^2,$$

$$|M_{\varepsilon_1,\varepsilon_1;-\varepsilon_1,\varepsilon_1}|^2 = \mu v \{[f_1 \varkappa p_0' - 2f_2 p^2 (p_0 + p_0')]^2 + 4 f_3^2 p^2 (p^2 + p_0 p_0')^2\}, \qquad (7)$$

$$|M_{\varepsilon_1,\varepsilon_1;-\varepsilon_1,-\varepsilon_1}|^2 = v^2 \{\varkappa'^2 [(f_1\varkappa - 2f_2 p^2)^2 + 4 f_3^2 p^2 p_0^2]\};$$

$$\mu = 2\cos^2(\vartheta/2), \, v = 2\sin^2(\vartheta/2), \, \eta = v/\mu = \text{tg}^2(\vartheta/2),$$

for all possible combinations of initial and final polarizations of the electron and the proton are obtained from simple calculations using the matrix elements

$$M = \text{Sp}\,(\Gamma_\mu \Lambda'^i\,(-p_2)\,S^{-1})\,\text{Sp}\,(\gamma_\mu \Lambda'^i\,(p_2')\,S'^{-1}), \qquad (2).$$

$$\Gamma_\mu = \gamma_\mu\,(f_1 - if_2\hat{q} - if_3\gamma_5)$$

Card 2/5

Electron-proton scattering ...

ϑ is the c.m. scattering angle and it is shown that $f_2 = f_2(q'') = 1 F_2(q^2)/2\kappa$, $f_3 = \lambda F_3(q^2)/2\kappa$ and $\hat{q} = q_\mu \gamma_\mu$. The projective matrix dyads Λ^2 and $\Lambda^{r'}_1$ determine the initial states of the proton and the electron. The transformation matrices S and S' of the Lorentz group in the bispinor space effect the transition from the initial to the final state of the particle.

$$d\sigma_{a\pm}/d\Omega = a^2 \, [2p^2 v \, (p_0 + p_0')]^{-2} \{ |\mathfrak{M}|^2_u \mp |\mathfrak{M}|^2_u \}. \qquad (8) \text{ and}$$

$$|\mathfrak{M}|^2_u = 2v\{ f_1^2 \, [\eta^{-1} \, (p^2 + p_0 p_0')^2 + (p^2)^2 v + \varkappa^2 \varkappa'^2] +$$

$$+ 2f_2^2 \, (p^2)^2 \, [\mu \, (p_0 + p_0')^2 + v \, (2\varkappa + \varkappa'^2)] - 4\varkappa f_1 f_2 p^2 \, (\varkappa'^2 - v p^2) +$$

$$+ 2f_3^2 p^2 \, [\mu \, (p^2 + p_0 p_0') + v\varkappa'^2 p_0^2]\}, \quad |\mathfrak{M}|^2_u = 2v p^2 \{ f_1^2 \, (2p^2 + \mu p_0 p_0') + \qquad (9)$$

$$+ 4 f_2^2 v \varkappa^2 p^2 + 2 f_1 f_2 \varkappa [(2+v)p^2 + \mu p_0 p_0']\}.$$

Card 3/5

Electron-proton scattering ...   S/056/62/043/005/049/058
                                                   B125/B104

ensue by summation over the final spin states of the proton and the electron. With $f_3 = 0$ this scattering cross section agrees with the formulas hitherto known. The initial dipole structure does not contribute in any way to the polarization correction $\sim |\mathfrak{Q}|^2$, if only the initial spin states of particles are used. f_1 and f_2 can be determined by twice measuring the difference $d\sigma_- - d\sigma_+ \sim |\mathfrak{Q}|^2$. The lab-system cross section

$$\frac{d\sigma_n}{d\Omega} = \frac{\alpha^2 p_n}{q_n^4} \{|\mathfrak{M}|_n^2\} = \left(\frac{\alpha}{2p_{10}'}\right)^2 \frac{\cos^2(\theta/2)}{\sin^4(\theta/2)} \left(1 + \frac{2p_{10}'}{\varkappa} \sin^2 \frac{\theta}{2}\right)^{-1} \times$$

$$\times \left\{F_1^2 + \frac{q_n^2}{4\varkappa^2}\left[2(F_1 + lF_2)^2 \lg^2\frac{\theta}{2} + (lF_2)^2 + (\lambda F_3)^2\right]\right\}. \qquad (10)$$

of the scattering of unpolarized particles from protons without dipole moment agrees with the formula by M. N. Rosenbluth (Phys. Rev., 79, 625, 1950), if $\varkappa \to 0$. With q small the formfactor λF_3 is small, with q large it makes a certain contribution to the scattering cross section. With $q^2 = 30f^{-2}$ λF_3 is of the order of 10^{-2}. The three unknown quantities

Card 4/5

Electron-proton scattering ...   S/056/62/043/005/049/058
                                                  B125/B104

F_1, F_2 and F_3 in $d\sigma/(d\Omega\sigma_{NS}) = a_{11}F_1^2 + a_{12}F_1F_2 + a_{22}F_2^2 + a_{33}F_3^2$ can be determined from at least three experimental cross sections. The independence of a_{33} from the scattering angle ϑ (with q^2 fixed) can be important in determining the influence of the dipole structure.

ASSOCIATION: Institut fiziki Akademii nauk Belorusskoy SSR
                (Institute of Physics of the Academy of Sciences of the
                Belorusskaya SSR)

SUBMITTED: June 21, 1962

Card 5/5

24,6610

S/056/63/044/001/050/067
B184/B108

AUTHORS: Bogush, A. A., Satsunkevich, I. S.

TITLE: Determining the form factor of electrons

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 1, 1963, 303-305

TEXT: In a former paper (Vestsi AN BSSR, ser. fiz.-tekhn. navuk, 2,26, 1962), the differential electron-electron scattering cross section of high-energy electrons was calculated in Born's approximation, allowing for charge distribution and magnetic momentum. The longitudinal polarizations in the initial and final states were taken into account for both electrons. Using a method due to G.V. Avakov (ZhETF,37,849,1959), a system of four quadratic equations is obtained from the above cross section. The system serves to determine the way in which the four form factors (2 charge and 2 momentum factors) of the electron depend on the scattering cross section for polarized and unpolarized electrons, which can be determined experimentally. Determining the form factors of the electron when the polarizations are fixed in the initial or final state

Card 1/2

Determining the form factor ...   S/056/63/044/001/050/067
                                                    B184/B108

is also described. A system of 6 second-order equations and 6 variables
is then obtained to determine the form factors of the electron.

ASSOCIATION: Institut fiziki Akademii nauk Belorusskoy SSR (Physics
              Institute of the Academy of Sciences Belorusskaya SSR)

SUBMITTED: July 31, 1962

Card 2/2

L 16966-63   EPF(n)-2/EWT(m)/BDS   AFFTC/ASD/SSD   Pu-4
S/020/63/149/006/006/027

AUTHOR: Bogush, A. A.   59

TITLE: Wave Functions and the Calculation of Matrix Elements for Longitudinally
              Polarized Vector Particles

PERIODICAL: Akademiya nauk SSSR. Doklady. v. 149, no. 6, 1963, 1286-1289

TITLE: Recently, in view of the experimental discovery of particles with
spin of 1, the development of the theory of vector mesons has been attracting
considerable interest. Within the framework of 10-dimensional β-formalism, the
author presents a compact matrix representation of the vector meson, which makes
it possible to perform calculations of different effects of interaction on taking into
account longitudinally polarized particles with spin of 1 on the basis of the
covariant method of direct calculation of matrix elements. The most important
English-language reference reads as follows: E. L. Hart et al., Phys. Rev. Lett.,
9, 133 (1962).

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

SUBMITTED: December 8, 1962

Card 1/1

ACCESSION NR: AP4044255   S/0250/64/008/007/0441/0443

AUTHOR: Moroz, L. G.; Bogush, A. A.

TITLE: Scattering of a circularly polarized photon by a longitudinally polarized proton

SOURCE: AN BSSR. Doklady*, v. 8, no. 7, 1964, 441-443

TOPIC TAGS: photon, photon scattering, polarized photon, proton, polarized proton, scattering matrix

ABSTRACT: On the basis of the scattering matrix of a Pauli interaction, the differential scattering cross section for a photon incident on a proton is calculated in the first Born approximation, using the laboratory system in order to simplify the form of the spin projection operators. Using a Feynman diagram, an expression is obtained for the cross section, the contribution from the direct diagram for parallel spins being zero, as is also true in the center-of-mass system. This may be explained as compensation of spin waves because of opposite polarizations of the colliding particles. When an intermediate state is involved, this compensation does not occur and the contribution from the exchange diagram is not zero. An expression is given for the scattering cross section of a circularly polarized photon with positive spin projection and parallel spins, and it is noted that the deriva-
Card 1/2

ACCESSION NR: AP4044255

tion for antiparallel spins can be carried out using Powell's formula. Orig. art. has: 1 figure and 11 formulas.

ASSOCIATION: Institut fiziki AN BSSR (Physics Institute, AN BSSR)

SUBMITTED: 04Sep63   ENCL: 00

SUB CODE: NP   NO REF SOV: 004   OTHER: 001

Card 2/2

BOGUSH, A.A.; BOLSUN, A.I.

General calculation of the matrix elements for polarized vector
particles. Dokl. AN SSSR 155 no. 5:1046-1049 Ap '64.
(MIRA 17:5)

1. Institut fiziki AN SSSR. Predstavleno akademikom V.A. Fokom.

BOGUSH, A.A.

Calculation of the matrix elements of scalar particles. Dokl.
AN BSSR 7 no.8:520-523 Ag '63.   (MIRA 16:10)

1. Institut fiziki AN BSSR. Predstavleno akademikom AN BSSR
M.A. Yel'yashevichem.

BOGUSH, A.A.

Scattering of lengthwise polarized electrons by scalar
particles. Dokl. AN BSSR 7 no.12:807-810 D '63.

(MIRA 17:8)

1. Institut fiziki AN BSSR. Predstavleno akademikom AN BSSR
B.I. Stepanovym.

MOROZ, L.G.; BOGUSH, A.A.

Scattering of circularly polarized photons by longitudinally polarized protons. Dokl. AN BSSR 8 no.7:441-443 '64.   (MIRA 17:10)

1. Institut fiziki AN BSSR. Predstavleno akademikom AN BSSR M.A. Yel'yashevichem.

BOGUSH, A.A.

General calculation of matrix elements of longitudinally
polarized particles. Vestsi AN BSSR. Ser. fiz.-tekh. nav.
no.2:29-38 '64.   (MIRA 18:1)

MOROZ, L.G. [Maroz, L.R.]; BOGUSH, A.A. [Bohush, A.A.]

Covariant formulation of the scattering matrix with Pauli
interaction. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3:
46-52 '64.   (MIRA 18:2)

BOGUSH, A.A. [Bohush, A.A.]

Coupling of matrix elements for Dirac and Pauli currents.
Vestsi AN BSSR. Ser.fiz.-mat.nav. no.2:76-82 '65.

(MIRA 19:1)

L 45656-65   EWT(m)/EWA(m)-2   Peb
ACCESSION NR: AP5009832

UR/0367/65/001/002/0288/0290

AUTHOR: Bogush, A. A.; Bolsun, A. I.; Satsunkevich, I. S.

TITLE: On the scattering of antineutrinos by electrons

SOURCE: Yadernaya fizika, v. 1, no. 2, 1965, 288-290

TOPIC TAGS: antineutrino scattering, electron scattering, form factor, vector meson, charge distribution, nonlocality parameter

ABSTRACT: The differential and total cross sections for the process $\bar{\nu}_e + e \to e' + \bar{\nu}'_e$, which has hitherto been discussed from the point of view of a weak contact interaction by several authors, are calculated in this paper by assuming the existence of intermediate vector mesons and by taking into account the possible charge distribution of the antineutrino. The possible information that can be obtained with existing experimental techniques is discussed, and possible methods of determining the nonlocality parameter due to the bosons and the Dirac charge form factor of the antineutrino are described. It is concluded that an account of the antineutrino charge form factor may be very important in the interpretation of experimental data on the process in question, and that if this form factor is small

Card 1/2

L 45656-65
ACCESSION NR: AP5009832

and the neutral vector meson does indeed exist, then the process may not be ob-
servable at all. "The authors thank F. I. Fedorov and L. G. Moroz for useful com-
ments." Orig. art. has: 1 figure and 8 formulas.

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow Engineering
Physics Institute)

SUBMITTED: 01Jul64   ENCL: 00   SUB CODE: NP

NR REF SOV: 003   OTHER: 007

Card 2/2

DROZDOV, A.D., dotsent, kandidat tekhnicheskikh nauk.;BOGUSH, A.G., kandidat
tekhnicheskikh nauk.

Investigation of saturating-current transformers used in differential
protective devices. Nauch. trudy NPI 26:325-334 '55.   (MIRA 9:12)
(Electric transformers) (Electric relays)

BOGUSH, A.G.

112-3-5671

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3, p. 90 (USSR)

AUTHORS: Drozdov, A. D., Bogush, A. G.

TITLE: A Saturation Transformer with a Short-Circuited Winding for Differential Protection (Nasyshchayushchiysya transformator s korotkozamknutoy obmotkoy dlya differentsial'noy zashchity)

PERIODICAL: Tr. Novocherkas. politekhn. in-ta, 1956, Nr 33/47, pp. 77-84.

ABSTRACT: The design and construction of saturation transformers with a short-circuited winding is presented. Since such a transformer contains two cores, it is possible to connect in a compensating winding conveniently when the transformer is used as an autotransformer. The primary winding, which is connected to the uncompensated circuit of the differential protection, is wound around both cores; the secondary winding, which feeds

Card 1/2

112-3-5671

A Saturation Transformer with a Short-Circuited Winding for
Differential Protection (Cont.)

the relay, is wound around only one core. A portion
of the short-circuited winding is wound around one of
the cores, and another portion of the winding is wound
around the other core. The results of research on the
number and relative position of the turns of the short-
circuited winding on the saturation transformer charac-
teristics are given. Presented also are experimental
data on the effect of the number of turns and their
relationship to the short-circuited winding on the char-
acteristic $I_{*0} = f$ (k). Included are equations and
equivalent circuits illustrating the design of satura-
tion transformers with a short-circuited winding. M.G.R.

ASSOCIATION: Novocherkassk Polytechnical Institute (Novocherkas.
politekhn. in-t.)

Card 2/2

THE RUSH OF MAGNETIZING CURRENT

amplitude of the periodic throw-on current may almost reach the amplitude of the rated current. The experiments also showed that the periodic throw-on current is transformed without distortion in the current transformers. This means that if the current

AVILOV-KARNAUKHOV, B.N.; BOGUSH, A.G.; BOLYAYEV, I.P.; GIIIS, A.F.; DROZDOV, A.D.; KAYALOV, G.M.; MIRONOV, Ye.P.; MIKHAYLOV, D.I.; SEKRETEV, D.I.; SINEL'NIKOV, Ye.M.; CHERNYAVSKIY, F.I.

An outstanding scientist; on professor A.G.Beliavskii's 80th birthday. Izv.vys.ucheb.zav.; elektromekh. 7 no.11:1399-1400 '64.   (MIRA 18:3)

AVILOV-KARNAUKHOV, B.N.; BATURO, V.I.; BAKHVALOV, Yu.A.; BOGUSH, A.G.;
    BOLYAYEV, I.P.; GIKIS, A.F.; DROZDOV, A.D.; KAYALOV, G.M.; KLEYMENOV,
    V.V.; KOLESNIKOV, E.V.; MALOV, D.I.

Professor Efim Markovich Sinel'nikov, 1905- ; on his 60th birthday.
Elektrichestvo no.9:89 S '65.

(MIRA 18:10)

AVILOV-KARNAUKHOV, B.N.; BOGUSH, A.G.; GIKIS, A.F.; DROZDOV, A.D.;
MALOV, D.I.; SINEL'NIKOV, Ye.M.; BRUSENTSOV, L.V.; DENISOV, A.A.;
PAL'SHAU, M.V.; POLYAKOV, F.I.; CHERNYAVSKIY, F.I.; BUROK, V.S.;
GORDEYEV, V.I.; KAZHDAN, A.E.; KOVALEV, V.Ye.; KURENNYY, E.G.;
POTAPENKO, V.Ya.

Professor Georgii Mikhailovich Kaialov, 1905- ; on his 60th
birthday and the 37th anniversary of his theoretical and educa-
tional work. Izv. vys. ucheb. zav.; elektromekh. 8 no.10:1181-
1182 '65.   (MIRA 18:11)

L 22425-66   EWT(d)/EWP(k)/EWP(l)

ACC NR: AP6013623   SOURCE CODE: UR/0105/65/000/009/0089/0090

AUTHOR: Avilov-Karnaukhov, B. N.; Baturo, V. I.; Bakhvalov, Yu. A.; Bogush, A. G.; Bolyayev, I. P.; Gikis, A. F.; Drozdov, A. D.; Kayalov, G. M.; Kleymenov, V. V.; Kolesnikov, E. V.; Malov, D. I.

ORG: none

TITLE: Honoring the 60th birthday of Professor Yefim Markovich Sinel'nikov

SOURCE: Elektrichestvo, no. 9, 1965, 89-90

TOPIC TAGS: academic personnel, electric engineering personnel, computer research

ABSTRACT: Professor Sinel'nikov was born 11 May 1905 in Yekater-inoslav (now Dnepropetrovsk) in the family of a clerk. Following his graduation from the Khar'kov Electrical Engineering Institute in 1930 he was appointed chief of the Technical Division on Electric Drive at the Khar'kov Electrical Machinery Plant. Subsequently he was appointed research engineer at the Vol'ta Plant and later on transferred to Moscow, to the Institute of Experimental Medicine, while at the same time he continued his studies. In 1946 he started working as a senior scientific researcher at the All-Union Electrical Engineering Institute. Since September 1953 Professor Sinel'nikov has been working at the Novocherkassk Polytechnic Institute. At present he is head of the Chair of

Card 1/2   UDC: 621.313

L 22425-66

ACC NR: AP6013623

Electrical Machinery, Apparatus, and Computers and Mathematical Devices. He has been instrumental in establishing the computer laboratory at this institute, where research is being performed on the problems of utilizing computer engineering in the design and calculation of electromagnetic, mechanical, and thermal processes in electrical machinery and equipment. Since 1958 Professor Sinel'nikov has been Coordinating Editor of the journal Elektro-mechanika (Electromechanics) - one of the series published under the aegis of Izvestiya Vysshikh Uchebnykh Zavedeniy (News of Higher Schools). Yefim Markovich is moreover a prominent educator and the holder of many social honors and consultant to a series of industrial enterprises. For his great merits as an educator and for his scientific contributions he has been awarded the Order of Labor Red Banner. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2

L 23216-66   EWT(d)/EWP(k)/EWP(1)

ACC NR: AP6013582   SOURCE CODE: UR/0144/65/000/010/1181/1182

AUTHOR: Avilov-Karnaukhov, B. N.; Bogush, A. G.; Gikis, A. F.; Drozdov, A. D.;
Malov, D. I.; Sinel'nikov, Ye. M.; Brusentsov, L. V.; Denisov, A. A.; Pal'shau, M. V.;
Polyakov, B. A.; Chernyavskiy, F. I.; Burok, V. S.; Gordeyev, V. I.; Kazhdan, A. E.;
Kovalev, V. Ye.; Kurennyy, E. G.; Potapenko, V. Ya.

ORG: none

TITLE: Professor G. M. Kayalov on the occasion of his 60th birthday and 37 years of
pedagogical activities

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Elektromekhanika, no. 10, 1965,
1181-1182

TOPIC TAGS: electric engineering personnel, academic personnel

ABSTRACT: Doctor of Engineering Sciences, Professor of RIIZhT
/Rostovskiy institut inzhenerov zheleznodorozhnogo transporta;
Rostov Institute of Railroad Engineers/, Georgiy Mikhaylovich
KAYALOV was born on 26 September 60 years ago. He began his
working career as a standby electrical construction worker at the
Novorossiysk cement factory. In 1929 he graduated from the
Novocherkassk Polytechnical Institute, and between 1928 and 1947
worked in the designing section of the "Elektroprom" trust. Sub-

Card 1/2

L 23216-66

ACC NR: AP6013582

sequently, he joined the Rostov department of the GPI /Gosudarstvennyy proyektnyy institut; State Designing Institute/ "Tyazhpromelektroproyekt" where he advanced from a technician of the designing department to its chief engineer. From 1933 to 1962 he was docent of the department of electrification of industrial enterprises of the NPI /Novocherkasskiy politekhnicheskiy institut imeni Sergo Ordzhonikidze; Novocherkassk Politechnic Institute im. Sergo Ordzhonikidze/; he taught as professor until 1965 and presently is a professor of the RIIZhT. He published more than 70 scientific works, including studies of flywheel-containing electric motors, investigations of electrical loads of industrial enterprises, analyses of basic features of real load graphs, (including their probabilistic modeling), proposals for peak load calculation methods (based on the theory of mass servicing) and developments of methods for the calculation of extremal loads of heavy consumers, for the study of random graphs of reactive loads, for the evaluation of electric load fluctuations, and the like. G. M. KAYALOV was also active in the Party, professional, and scientific organizations. He is a holder of the "For Outstanding Work During the Great Patriotic War of 1941-1945 gg." medal and the "Badge of Honor"

decoration. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 05 / SUBM DATE: none

Card 2/2

L 33115-66

ACC NR: AP6024083

SOURCE CODE: UR/0144/66/000/002/0235/0236

AUTHOR: Zav'yalov, A. S.; Get'man, A. A.; Molchanov, V. D.; Krasyuk, N. P.; Agranovskiy, K. Yu.; Berger, A. Ya.; Greyer, L. K.; Yesakov, V. P.; Miller, Ye. V.; Pyatman, K. I.; Abryutin, V. N.; Gubanov, V. V.; Oranskiy, M. I.; Yevseyev, N. Ye.; Horkin, G. B.; Sinel'nikov, Ye. M.; Avilov-Karnaukhov, B. N.; Bogush, A. G.; Belyayev, I. P.; Fokker, I. I.; Chernyavskiy, F. I.

ORG: none

TITLE: O. B. Bron (on his 70th birthday)

SOURCE: IVUZ. Elektromekhanika, no. 2, 1966, 235-236

TOPIC TAGS: electric engineering personnel, circuit breaker

ABSTRACT: Osip Borisovich Bron was born in 1896 in Klintsi. In 1920, he graduated from the physics-math faculty of Khar'kov Technological Institute. He became a professor in 1930. He defended his doctor's thesis in 1940. During the second world war, he was in the navy. After demobilization in 1950, Engineer Colonel Bron went to work teaching at the Leningrad Industrial Correspondence School. He became the head of the Chair of Theoretical Bases of Electrical Technology in 1958. He is closely associated with scientific and development work, and has cooperated closely in this area with the Leningrad "Elektrosila" plant since 1946. His work has been in the areas of spark-damping and high-power circuit breakers. He has published over 140 scientific works and 19 inventions. [JPRS]

SUB CODE: 05, 09 / SUBM DATE: none

Card 1/1

5(3)

AUTHORS: Pansevich - Kolyada, V. I., Bogush, B. K.   SOV/79-29-4-34/77

TITLE: Investigation of Esters With an Allyl Position of the Double Bond (Issledovaniye prostykh efirov s allil'nym polozheniyem dvoynoy svyazi). IV. Preparation of Some Esters of 2-Methyl-4-benzyl-penten-2-ol-4 and 1-Phenyl-buten-1-ol-3 (IV. Polucheniye nekotorykh prostykh efirov 2-metil-4-benzil-penten-2-ola-4 i 1-fenilbuten-1-ola-3)

ABSTRACT: In the previous reports (Refs 1-3) published by the authors it was shown that $\alpha,\alpha,\gamma,\gamma$-tetra-alkyl-substituted allyl alcohols are exceptionally capable of forming esters with primary alcohols in the presence of a small quantity of diluted sulfuric acid. It is known that this formation of esters is also easily possible in the case of some tertiary alcohols containing a phenyl- or styryl radical (Refs 4-14). Therefore it seemed rather obvious to carry out the formation of esters of tetra-substituted allyl alcohols with aryl radicals. In the present article the results of the formation of ester of 2-methyl-4-benzyl-penten-2-ol-4 (I) and 1-phenyl-buten-1-ol-3 (II) with methyl-, ethyl-, n.-propyl-,

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Investigation of Esters With an Allyl Position of the Double Bond. IV. Preparation of Some Esters of 2-Metnyl-4-benzyl-penten-2-ol-4 and 1-Phenyl-buten-1-ol-3

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n.-butyl-, and allyl alcohol are described. It was found that the alcohol (I) is almost as easily transformed into the ester as the tetra-alkyl-substituted allyl alcohols (Refs 1-3), and that the ester formation of the alcohol (II) is much more difficult, as was noted on an earlier occasion (Ref 1). This different reaction rate in the ester formation of these two alcohols (I) and (II) may only be explained by the different nature of the alcohol groups. The synthesized esters exhibit the following structure:

1)
$$CH_3-C=CH-C-CH_2-C_6H_5$$
with CH_3 and OR substituents on the central carbon, CH_3 group above.

2) $C_6H_5-CH=CH-CH-CH_3$ with OR substituent

(III)R=CH_3; (IV)R=C_2H_5;
(V)R=n.-C_3H_7; (VI)R=C_3H_5.

(VII)R=C_2H_5; (VIII)R=n.-C_3H_7;
(IX)R=n.-C_4H_9; (X)R=C_3H_5.
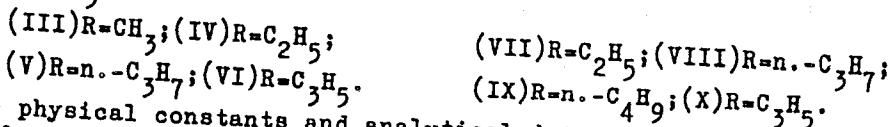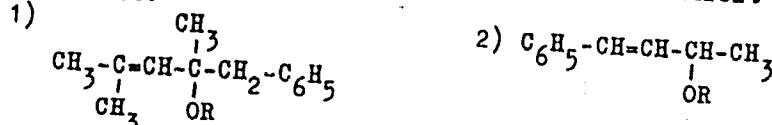
The physical constants and analytical data are given in the table. Only benzoic acid aldehyde and benzoic acid were found in

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Investigation of Esters With an Allyl Position of the Double Bond. IV. Preparation of Some Esters of 2-Methyl-4-benzyl-penten-2-ol-4 and 1-Phenyl-buten-1-ol-3

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the oxidation products of 1-phenyl-3-ethoxy-buten-1 with potassium permanganate. In all, eight esters hitherto unknown were synthetized, all of them with an allyl position of the double bond. There are 1 table and 17 references, 5 of which are Soviet.

ASSOCIATION: Belorusskiy politekhnicheskiy institut (Belorusskiy Polytechnic Institute)

SUBMITTED: March 6, 1958

Card 3/3

PANSEVICH-KOLYADA, V.I.; BOGUSH, B.K.

Oxido compounds. Part 14: Preparation of some phenyl-substituted α,β-alcohol oxides and their reactions with aniline and o-toluidine. Zhur.ob.khim. 32 no.11: 3552-3556 N '62.

(MIRA 15:11)

1. Belorusskiy politekhnicheskiy institut.
(Ethers)   (Aniline)   (Toluidine)

PANSEVICH-KOLYADA, V.I.; BOGUSH, B.K.

Study of ethers with the allyl position of a double bond. Part 8:
Etherification of some di- and tetra-substituted allyl alcohols with
primary aliphatic alcohols. Zhur.ob.khim. 33 no.7:2137-2139 Jl
'63.
                                                    (MIRA 16:8)

1. Belorusskiy politekhnicheskiy institut.
                (Allyl alcohol) (Etherification)

OKSMAN, Ya.B.; BABAYEV, A.; BOGUSH, G.; DOLINA, Ye.; KOVYNEV, B.; MIRNYY, G.;
RUBEO, Stelio(Italiya);SING, Ramkhandr (Indiya); SOMOV, Yu.; KHARSH;
D'yerd'(Vengriya); YUR'YEV, N.; YANEV, Kirill (Bolgariya); LAPIDUS,
M.A., red.; BALLOD, A.I., tekhn.red..

[Foreign visitors on Soviet agriculture; impressions of participants
in the Sixth World Festival of Youth and Students] Zarubezhnye.
gosti o sel'skom khoziaistve SSSR; vpechatleniia uchastnikov VI
Vsemirnogo festivalia molodezhi i studentov. Moskva, Gos.izd-vo
sel'khoz.lit-ry, 1958. 239 p.   (MIRA 12:4)
                        (Agriculture)

BOGUSH, G.; KOHN, M.

        State farm on virgin land. Nauka i pered.op.v sel'khoz. 9
        no.1:66-70 Ja '59.   (MIRA 13:3)
            (Voronesh Province--Agriculture)

BOGUSH, G.

Promoters of machinery in dairying. Nauka i pered. op v sel'khoz 9
no.5:31-33 My '59.   (MIRA 12:8)
     (Dairying) (Farm mechanization)

BOGUSH, G.

The larger the harvest, the richer the country. Komm. Vooruzh.
Sil 3 no.8:48-52 Ap '63.   (MIRA 16:4)
                              (Agricultural policy)

BOGUSH, G.M.; KHVOSTOVA, D.M., red.; SHADRINA, N.D., tekhn. red.

[Initiators of the new in the seven-year plan] Zachinateli novogo
v semiletke; liudi trudovogo podviga. Moskva, Izd-vo VTsSPS Profizdat.
No.4. 1961. 50 p.
                                                    (MIRA 14:12)
        (Stock and stockbreeding—Technological innovations)
              (Socialist competition)

USSR / General and Specialized Zoology - Insects.   P

Abs Jour   : Ref Zhur - Biologiya, No 5, 1959, No. 20887

Author   : Bogush, I. P.
Inst   : Not given
Title   : The Cutworm Moth (Laphygma exigua) and
              Cotton Bollworm (Chloridea obsoleta F.)
              in Turkmenia and Measures to Prevent Loss
              of Crops from Them

Orig Pub   : V sb.: Materialy Ob"yedin. nauchn. sessii po
              khlopkovodstvu. T.2, Tashkent, Gosizdat.
              UzSSR, 1958, 297-303

Abstract   : The cutworm moth is a permanent inhabitant
              of Turkmenia. From 1928 on, the fight
              against it has been carried out annually in
              one rayon or another. Out of 1,090 thousands
              of hectares treated against pests of cotton

Card 1/4

USSR / General and Specialized Zoology - Insects.   P

Abs Jour   : Ref Zhur - Biologiya, No 5, 1959, No. 20887

time of crops injured by the Noctuidae;
assistance to the propagation of the
entomophages of the Noctuidae, and speci-
fically the use of insecticides which will
not cause their mass destruction; the organi-
zation of a service for the recording and
forecasting of pests; timely and high-
quality chemical control of the insects;
the prevention of the development of the
spring generation of the cotton bollworm on
alfalfas; in the regions where new land is
brought under cultivation, the prevention
of over-moisture in the fields, which is
beneficial to the propagation of the cotton
bollworm; the study of the cutworm moth and
the cotton bollworm during irrigation of

Card 3/4

USSR / General and Specialized Zoology -- Insects.   P

Abs Jour   : Ref Zhur - Biologiya, No 5, 1959, No. 20887

lands from the Kara-Kum canal. -- A. P.
Adrianov

Card 4/4

38

BOGUSH, J.

In memoriam, Dr. Mieczyslaw Orwicz. Pol. przegl. chir. 33 no.12:
1485-1487 '61.

(BIOGRAPHIES)

BOGUSH, L. K.

35488.   Modifikatsiya otkrytogo lecheniya tuberkuleznykh kavern v legkom.
V SB: Voprosy grudnoy khirurgii.T. 111. M., 1949, c. 174-80.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

BOGUSH, L. K.

"Hydraulic Drainage Prior to Pleural Suturing," Prob. Tuber., No.5, 1949

Inst. Tuberculosis, Dept. Clinical Med., AMS USSR

ROWISH, Prof. I. K.

Tuberculosis

Third All-Union conference on thoracic surgery. Probl. tub. No. 3, 1952.

9. <u>Monthly</u> <u>List</u> <u>of</u> <u>Russian</u> <u>Accessions</u>, Library of Congress, ___November___ 1953, Uncl.

2

1. BOGUSH, L. K., Prof.

2. USSR (600)

4. Tuberculosis

7. Surgical methods in the treatment of pulmonary tuberculosis.
   Khirurgiia No. 11, 1952

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

1. BOGUSH, L. K., Prof.

2. USSR (600)

4. Hemorrhage

7. Prevention and treatment of hemorrhages complicating operation for elimination of pleural adhesions. Sov. med. 16 no. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

Bogush, L.K.

Excerpta Medica Sec 9 Surgery Vol. 8/7 July 1954

4336. BOGUSH L. K. *Indications for lobectomy and pneumonecto-
        my in pulmonary tb. (Russian text) PROBL. TUBERK. 1953, 3
        (63-67)
Indications for lobectomy are: (1) isolated large cavities in the upper lobe with
bronchial stenosis, (2) cavitary processes in the lower lobe with bronchial steno-
sis following unsuccessful phrenic avulsion, (3) bronchiectatic cavities and chronic
suppuration, (4) lobitis following streptomycin failure, (5) tuberculoma (sometimes
segmental resection) and (6) cavities refractory to pneumothorax. Indications for
pneumonectomy are (1) diffuse cavitation of one lung, (2) the same associated with
bronchial stenosis, (3) unilateral bronchiectasis and tb and (4) unsuccessful thora-
coplasty.   Frey - Berlin (XV, 9)

BOGUSH, L.K., professor.

Pulmonary resection in tuberculosis. Khirurgiia no.10:3-9 0 '53.

(MLRA 6:11)

1. Iz khirurgicheskoy kliniki (zaveduyushchiy L.K.Bogush) Instituta tuberkule-za (direktor Z.A.Lebedeva, zamestitel' direktora - professor N.A.Shmelev) Aka-demii meditsinskikh nauk SSSR.
(Tuberculosis)

BOGUSH, L.K.

Indications for lobectomy and pneumonectomy in pulmonary tuberculosis.
Probl. tuberk., Moskva no.3:63-67 May-June 1953.   (CIML 25:1)

1. Professor. 2. Of the Institute of Tuberculosis (Director -- Z. A.
Lebedeva), Academy of Medical Sciences USSR.

BOGUSH, L.K., professor

Caseous tuberculoma of the lungs. Probl. tub. no.6:15-20 N-D '54.
(MLRA 8:1)

1. Iz instituta tuberkuleza Akademii meditsinskikh nauk SSSR
(dir.-Z.A.Lebedeva)
(TUBERCULOSIS, PULMONARY, manifestations
caseoma, pathol.)

BOGUSH, L. K.

Summaries of papers presented at the XXVI Congress of Surgeons of the USSR, Moscow, 20 - 27 January 1955, included:

Modern Foundations of Surgical Treatment of Pulmonary Tuberculosis.

L.K. BOGUSH and T. N. KHRUSHCHOVA

SOURCE: ~~SO/SUM~~-A-46013 (Official Publication) Unclassified.

BOGUSH, L.K.

[Gavernostomy for patients with pulmonary tuberculosis] Kaverno-
tomiia u bol'nykh tuberkulezom legkikh. Moskva, Medgiz, 1955.
142 p.
                                                      (MIRA 8:11)
              (TUBERCULOSIS) (LUNGS--SURGERY)

BOGUSH, L.K., professor

Further prospects in the development of surgery in pulmonary
tuberculosis. Sov.med. 20 no.9:56-62 S '56.   (MLRA 9:11)

1. Iz khirurgicheskogo otdeleniya Instituta tuberkuleza (dir.
Z.A.Lebedeva) Akademii meditsinskikh nauk SSSR.
     (TUBERCULOSIS, PULMONARY, surg.
          progr.)

BOGUSH, L.K., professor; SHADRIN, V.P.

       Differential diagnosis of "cancer of the lung. Khirurgiia 32 no.7:
       24-29 Jl '56.   (MIRA 9:11)

       1. Iz khirurgicheskogo otdeleniya (zav. - prof. L.K.Bogush)
       Instituta tuberkuleza (dir. Z.A.Lebedeva) AMN SSSR
           (TUBERCULOSIS, PULMONARY, differ. diag.
              caseoma, from peripheral lung cancer)
           (LUNG NEOPLASMS, differ. diag.
              peripheral cancer from tuberc. caseoma)

BOGUSH, L.K., professor

Segmental resection of the lung in tuberculosis. Probl.tub. 34 no.3:
16-22 My-Je '56.   (MIRA 9:11)

1. Iz Instituta tuberkuleza AMN SSSR (dir. - Z.A.Lebedeva)
   (TUBERCULOSIS, PULMONARY, surg.
        resection, surg. anat. & technic)

1813. BOGUSH L. K., GERASIMENKO N. I. and SAVON A. A. Surg. Dept. of
the Tuberc. Inst. of the USSR Acad. of Med. Sci., Moscow *Ligation of bronchi in
the treatment of pulmonary tuberculosis (Russian text)* Khirurgija 1956, 32/8 (3–7)
Experience of ligation of the bronchi permits the conclusion that it may be one of
the new effective surgical treatments of pulmonary tuberculosis. Ligation of the
upper bronchi on the right as well as on the left side is performed by a lateral
incision under local anaesthesia or general anaesthesia with intubation. When
suturing the bronchus it is necessary to take into consideration the possibility of
restoration of patency of the bronchial lumen.   This method requires further
improvement. Of 20 patients operated by ligation of a bronchus one died on the
10th day of a contralateral pneumonia. The isolated ligation of the lower bronchus
at the hilus inducing complete atelectasis of the base of the lung is not followed by
necrosis of the pulmonary tissue. The operation is better tolerated than pulmonary
resection. A definite therapeutic effect of postoperative atelectasis of a part of the
lung was observed.   Soloveva — Moscow (XV, 9)

BOGUSH, L.K.

Bogush, L.K., professor

Bronchial ligation as a new method for treating cavitory tuberculosis.
Sov.med. 21 no.6:45-50 Je '57.   (MIRA 10:9)

1. Iz Instituta tuberkuleza (dir. Z.A.Lebedeva) AMN SSSR
     (TUBERCULOSIS PULMONARY, surg.
          bronchial ligation)

BOGUSH, L.K., prof.

Achievements of Soviet phthisiosurgery in the last 40 years [with summary in French]. Probl.tub. 35 no.7:66-72 '57.   (MIRA 11:2)

1. Chlen-korrespondent AMN SSSR
   (TUBERCULOSIS, PULMONARY, surg.
      progr. in Russia)

AL', G.E., doktor med.nauk; AMOSOV, N.M., prof.; ANTELAVA, N.V., prof.;
BOGUSH, L.K., prof.; VOZNESENSKIY, A.N., prof.; VIL'VYANSKIY,
L.I., kand.med.nauk; LAPINA, A.A., prof.; MASSINO, S.V., doktor
med.nauk; MIKHAYLOV, F.A., prof.; RABUKHIN, A.Ye., prof.;
KHRUSHCHOVA, T.N., prof.; SHAKLEIN, I.A., prof.; YABLOKOV, D.D.,
prof.; EYNIS, V.L., prof., zasluzhennyy deyatel' nauki, otv.red.;
KORNEV, P.G., prof., red.; KUDRYAVTSEVA, A.I., prof., red.
[deceased]; LAPINA, A.I., red.; LEBEDEVA, Z.A., kand.med.nauk,
red.; STRUKOV, A.I., prof., red.; SHEBANOV, F.V., prof., zaslu-
zhennyy deyatel' nauki, red.toma; GRINSHPUNT, Ye.M., red.; LYUD-
KOVSKAYA, N.I., tekhn.red.

[Multivolume manual on tuberculosis] Mnogotomnoe rukovodstvo
po tuberkulezu. Moskva, Gos.izd-vo med.lit-ry. Vol.2. [Tuber-
culosis of the respiratory organs] Tuberkulez organov dykhaniia.
Red.toma A.B.Rabukhin i F.V.Shebanov.   Book 2. 1959. 408 p.
(MIRA 13:5)
1. Chleny-korrespondenty AMN SSSR (for Antelava, Bogush, Yablokov,
Strukov). 2. Deyatvitel'nyy chlen AMN SSSR (for Kornev).
(TUBERCULOSIS)

BOGUSH, L.K., prof.; SHIFMAN, N.D., kand. med. nauk.; KAGALOVSKIY, G.M., vrach.

Directed segmental bronchography. Khirurgiia 34 no.3:72-77 Mr '58.
(MIRA 12:1)

1. Iz khirurgicheskoy kliniki (zav. - prof. L.K. Bogush) Instituta
tuberkuleza AMN SSSR (dir. Z.A. Lebedeva).
(BRONCHI, radiography
directed segmental bronchography (Rus))

BOGUSH, L.K., prof.; LEBEDEV, Ye.M.

Some particular aspects of intubation anesthesia in various resections of the lung in tuberculosis patients. Probl.tub. 37 no.4:30-37 '59.   (MIRA 12:10)

1. Iz Khirurgicheskoy kliniki (zav. - chlen-korrespondent AMN SSSR prof.L.K.Bogush) Instituta tuberkuleza AMN SSSR (dir. Z.A.Lebedeva).
          (PNEUMONECTOMY, anesth. & analgesia
              endotracheal intubation in tuberc. patients (Rus))
          (ANESTHESIA, ENDOTRACHEAL
              in pneumonectomy for tuberc. (Rus))

BOGUSH, L.K., prof.; SHADRIN, V.P.; AVERBAKH, M.M.(Moskva)

Modern treatment of caseomas in preventing the development of progressive forms of pulmonary tuberculosis. Klin.med. 37 no.11:13-19 N '59.
(MIRA 13:3)

1. Iz khirurgicheskoy kliniki (zaveduyushchiy - chlen-korrespondent AMN SSSR prof. L.K. Bogush) i patomorfologicheskogo otdeleniya (zaveduyushchiy - prof. V.I. Puzik) Instituta tuberkuleza AMN SSSR (direktor Z.A. Lebedeva).
(PNEUMONECTOMY)

BOGUSH, L.K., prof., red.; KOLESNIKOV, S.A., prof., red.; SERGEYEV, V.M.,
kand. med. nauk, red.; SMIRNOV, Z., red.; LAVRENT'YEVA, G.,
tekh.red.

[Technic of mitral commissurotomy; transactions of the First
Symposium on the Technic of Mitral Commissurotomy, Moscow, 1960]
Tekhnika mitral'noi komissurotomii; trudy. Moskva, In-t grudnoi
khirurgii, 1960. 95 p.   (MIRA 15:1)

1. Simpozium po tekhnike mitral'noy komissurotomii. 1st, Moscow,
1960. 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Bogush).

(MITRAL VALVE—SURGERY)

ANICHKOV, M.N., dots.; ANTELAVA, N.V., prof.; BISENKOV, N.P., kand.
med. nauk; BOGUSH, L.K., prof.; GRIGOR'YEV, M.S., prof.;
DYSKIN, Ye.A., kand. med. nauk; KEVESH,Ye.L.,prof.;KOLESOV,A.F.;
KOLESOV, V.I., prof.; KUPRIYANOV, P.A., prof.; LINBERG, B.E.,
prof.; MAKSIMENKOV, A.N., prof.; OSIPOV, B.K., prof.;
SAVITSKIY, A.I., prof.; UVAROV, B.S.; UGLOV, F.G., prof.;
KHOLDIN, S.A., prof.; PETROVSKIY, B.V., prof., otv. red.;
BAKULEV, A.N., akademik, red.; GULYAYEV, A.V., prof., red.;
YEGOROV, B.G., prof., red.; PANKRAT'YEV, B.Ye., prof., red.;
PYTEL', A.Ya., prof., red.; RIKHTER, G.A., prof., red.;
FILATOV, A.N., prof., red.; CHAKLIN, V.D., prof., red.;
RYBUSHKIN, I.N., doktor med. nauk, red.; RULEVA, M.S., tekhn.
red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po
khirurgii. Moskva, Medgiz. Vol.5. [Chest surgery; thoracic wall,
pleura, and lungs] Khirurgiia grudi; grudnaia stenka, plerva i
legkie. 1960.   727 p.   (MIRA 15:3)

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Antelava, Bogush, Maksimenkov, Savitskiy, Kholdin, Chaklin).
2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Kupriyanov, Petrovskiy, Yegorov).
                    (CHEST—SURGERY)

BOGUSH, L.K., prof.

Pathways in the development of surgery for pulmonary tuberculosis.
Vest.AMN SSSR 15 no.1:17-25 '60.   (MIRA 13:6)

1. Institut tuberkuleza AMN SSSR. Chlen-korrespondent AMN SSSR.
    (TUBERCULOSIS PULMONARY surg.)

BOGUSH, L.K. (Moskva, ul. Levitana, d.1/40, kv.223)

Segmental pulmonary resection in tuberculosis. Grud. khir. 2 no.6:
66-71 N-D '60.
(MIRA 14:1)

1. Iz Instituta tuberkuleza (dir. - chlen-korrespondent AMN SSSR
prof. N.A. Shmelev) AMN SSSR.
(TUBERCULOSIS)

BOGUSH, L.K., prof.

Modification of the suture of the bronchial stump in resection of the lungs. Khirurgiia 36 no.10:52-54 O '60.   (MIRA 13:11)

1. Iz Instituta tuberkuleza AMN SSSR.
          (BRONCHI—SURGERY)

ALTYPARMAKOV, Anton; SHIFMAN, N.D.[translator]; BOGUSH, L.K., red.;
        GROMOVA, L.S., red.; MIRONOVA, A.M., tekhn. red.

[Bronchoscopy and bronchography] Bronkhoskopiia i bronkho-
grafiia. Pod red. L .K.Bogusha. Moskva, Medgiz, 1961. 126 p.
                                              (MIRA 15:4)
1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Bogush).
        (BRONCHI—RADIOGRAPHY) (BRONCHOSCOPY)

BOGUSH, Lev Konstantinovich; GROMOVA, Lidiya Samoylovna; KAZIN, V.P.,
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    [Surgical treatment of tuberculous empyemata] Khirurgicheskoe ·
    lechenie tuberkuleznykh empiem.   Moskva, Medgiz, 1961. 131 p.
                    (EMPYEMA)   (MIRA 15:2)

BAKULEV,A.N., akad.; BLOKHIN, N.N.; BOGUSH, L.K.; VELIKORETSKIY, A.N., prof.;
VOZNESENSKIY, V.P., prof., zasl. deyatel' nauki [deceased]; GULYAYEV,
A.V., prof.; DANILOV, I.V., prof.; DUBOV, M.D., doktor med. nauk; KA-
ZANSKIY, V.I., prof.; LIMBERG, A.A.; LINBERG, B.E., zasl. deyatel'
nauki, prof.; MEDVEDEV, I.A., dots.; MESHALKIN, Ye.N., prof.; MIRONO-
VICH, N.I., doktor med. nauk; NIKOLAYEV, O.V., prof.; NIFONTOV, B.V.,
doktor med. nauk; PETROVSKIY, B.V.; PRIOROV, N.N.[deceased]; RIKHTER,
G.A., prof.; ROVNOV, A.S., prof.; RUFANOV, I.G.; STRUCHKOV, V.I.;
SHRAYBER, M.I., doktor med. nauk; GORELIK, S.L., dots.,red.; YELANSKIY,
N.N., red.; SALISHCHEV, V.E., zasl. deyatel' nauki, prof.[deceased];
RYBUSHKIN, I.N., red.; BUL'DYAYEV, N.A., tekhn. red.

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tomakh. Pod obshchei red. A.N.Velikoretskogo i dr. Moskva, Medgiz.
Vol.1. 1961.   564 p.   (MIRA 14:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin,
Petrovskiy, Priorov, Rufanov, Limberg). 2. Chlen-korrespondent Akademii
meditsinskikh nauk SSSR (for Bogush, Struchkov, Yelanskiy).
                        (SURGERY)

BOGUSH, L.K. (Moskva, B-80, ul. Levitana, d.1/40, kv.223); KAGALOVSKIY, G.M.

New apparatus for closing the bronchial stump in pulmonary resection. Grud.khir. no.3:67-69 '61.   (MIRA 14:9)

1. Iz khirurgicheskogo otdeleniya Instituta tuberkuleza (dir. - chlen-korrespondent AMN SSSR N.A. Shmelev) AMN SSSR.
        (LUNGS—SURGERY)
     (SURGICAL INSTRUMENTS AND APPARATUS)

BOGUSH, L.K.; FILIPPOV, V.P.

Use of the UKL-60 apparatus in lung resections. Trudy NIIEKHAI
no.5:23-27 '61.
(MIRA 15:8)

1. Iz khirurgicheskoy kliniki Instituta tuberkuleza AMN SSSR.
(LUNGS—SURGERY)   (SUTURES)

BOGUSH, L.K., prof., laureat Leninskoy premii

New boundaries. Zdorov'e 7 no.10:8 O '61.   (MIRA 14:10)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR.
(TUBERCULOSIS)

BOGUSH, L.K., prof.; SEVEROV, V.S., kand.med.nauk; LEBEDEV, Ye.M.

Use of porolon filling in partial resection of the lung in the
treatment of pulmonary tuberculosis. Khirurgiia 37 no.1:12-16
Ja '61.
(MIRA 14:2)

1. Iz khirugicheskoy kliniki (zav. - chlen-korrespondent AM SSSR
L.K. Bogush) Instituta tuberkuleza AMN SSSR.
(LUNGS—SURGERY)

BOGUSH, L.K., prof.; SAVON, A.A., kand.med.nauk; UVAROVA, O.A.;
AVERBAKH, M.M. (Moskva)

Clinical and anatomical characteristics of acute postoperative
pneumonias in patients with pulmonary tuberculosis. Klin.med.
39 no.4:91-97 '61.
(MIRA 14:4)

1. Iz Instituta tuberkuleza AMN SSSR (dir. -chlen-korrespondent
AMN SSSR prof. N.A. Shmelev, zam. direktora po nauchnoy chasti -
prof. A.I. Kagramanov). 2. Chlen-korrespondent AMN SSSR (for
Bogush).
        (TUBERCULOSIS)   (PNEUMONIA)

BOGUSH, L.K., prof.; SAVON, A.A., kand.med.nauk (Moskva, Zh-127, ul. Bakhrushina, d.1/7, kv.13)

Late results of ligation and intersection of the lobar bronchus in pulmonary tuberculosis. Nov.khir.arkh. no.1:8-13 '62.

(MIRA 15:8)

1. Khirurgicheskaya klinika (zav. - chlen-korrespondent AMN SSSR, prof. L.K. Bogush) Instituta tuberkuleza AMN SSSR.
            (TUBERCULOSIS)   (BRONCHI—SURGERY)

BOGUSH, L. K., prof.

Current status and prospects of further development of surgery
in tuberculosis of the lungs. Probl. tub. no.3:16-21 '62.
(MIRA 15:4)

1. Iz Instituta tuberkuleza Ministerstva zdravookhraneniya SSSR
(dir. - deystvitel'nyy chlen AMN SSSR prof. N. A. Shmelev) i
kafedry legochnoy khirurgii TSentral'nogo instituta usovershenst-
vovaniya vrachey (rektor M. D. Kovrigina). Chlen-korrespondent
AMN SSSR.

(TUBERCULOSIS)

BOGUSH, L.K., prof., red.; SHEBANOV, F.V., prof., red.; GROMOVA,
B.B., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Surgical treatment of patients with tuberculosis] Khi-
rurgicheskoe lechenie bol'nykh tuberkulezom legkikh; trudy.
Moskva, Medgiz, 1963. 154 p.   (MIRA 16:8)

1. Vsesoyuznoye soveshchaniye khirurgov i ftiziatrov, Moscow,
1962.
                    (TUBERCULOSIS) (SURGERY)

BOGUSH, L.K.; KIBRIK, B.S.; AVERBAKH, M.M.

Resection of the inferior pulmonary lobe in tuberculosis. Grud.
khir. 5. no.1:99-105 Ja-F'63.   (MIRA 16:7)

1. Iz khirurgicheskoy kliniki)sav.-chlen-korrespondent AMN SSSR
prof.L.K.Bogush) Instituta tuberkuleza (dir.-deystvitel'nyy chlen
AMN SSSR prof. N.A. Shmelev) Ministerstva zdravookhraneniya SSSR.
                (TUBERCULOSIS)   (LUNGS—SURGERY)

SEIT-UMEROV, M.S.; BOGUSH, L.K., prof., nauchnyy konsul'tant

    Results of individual and combined ligation of the vessels and
bronchi of a lung in an experiment. Zdrav. Tadzh. 10. no.1:15-18
'63.
                                           (MIRA 16:7)

    1. Chlen-korrespondent AMN SSSR (for Bogush).
         (PULMONARY ARTERY—LIGATURE)
         (PULMONARY VEIN—LIGATURE)
           (BRONCHI—SURGERY)

YELANSKIY, Nikolay Nikolayevich. Prinimali uchastiye: BOGUSH, .L.K.,
    prof.; PETROVSKIY, B.V., prof.; GOL'DGAMMER, .K.I.., red.

[Surgical diseases] Khirurgicheskie bolezni. Moskva, Izd-vo
"Meditsina," 1964. 649 p.   (MIRA 17:5)

BOGUSH, L.K. (Moskva V-315, ul. L. Chaykinoy, d.5, kv.189)

Repeated suture of the stump of the main bronchus with fistula resection following pneumonectomy. Grud. khir. 5 no.5:54-59 S-O '63.   (MIRA 17:8)

1. Iz khirurgicheskoy kliniki (zav. - chlen-korrespondent AMN SSSR prof. L.K. Bogush) TSentral'nogo instituta tuberkuleza (dir. - deystvitel'nyy chlen AMN SSSR prof. N.A. Shmelev) Ministerstva zdravookhraneniya SSSR.

DCGUSH, L.K.; KAGALOVSKIY, G.M.

Pleurectomy with the aid of a pleural dissector. Eksper.
khir. i anest. 9 no.3:61-64 My-Je '64.

(MIRA 18:3)

1. Khirurgicheskoye otdeleniye TSentral'nogo instituta tuberkuleza
(dir. – deystvitel'nyy chlen AMN SSSR prof. N.A. Shmelev) Ministerstva
zdravookhraneniya SSSR, Moskva.

BOGUSH, L.K.; GESELEVICH, A.M.; KIBRIK, B.S.

Statistical data on mechanical sutures in pulmonary resection
for tuberculosis. Sov. med. 27 no.8:72-76 Ag '64.

(MIRA 18:3)

1. Meditsinskiy otdel (zav. A.M. Geselevich) Nauchno-issledovatel'-
skogo instituta eksperimental'noy khirurgich skoy apparatury i
instrumentov (dir.- M.G. Anan'yev) kafedra legochnoy khirurgii
(zav. L.K. Bogush) TSentral'nogo instituta usovershenstvovaniya
vrachey, Moskva.

BOGUSH, L.K., prof.; SHVARTSMAN, L.Ya.

Proteolytic enzymes in the clinical aspects of surgical pulmonary
tuberculosis. Prob. tub. no.1:17-21 '65.

(MIRA 18:12)

1. Kafedra khirurgii legochnogo tuberkuleza TSentral'nogo
instituta usovershenstvovaniya vrachey, otdeleniye torakal'noy
khirurgii protivotuberkuleznoy bol'nitsy (nachal'nik V.I. Robak)
L'vovskoy zheleznoy dorogi. 2. Deystvitel'nyy chlen AMN SSSR
(for Bogush).

T

Country : USSR
Category: Human and Animal Physiology. Nervous System.
          Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., No 19, 1958, 89230

Author : Dorush, M. R.
Inst   : Institute of Psychology, UkrSSR
Title   : On Afterimages and Some Manifestations of Afteraction
          in Optic Perceptions.

Orig Pub: Nauk. zap. Nauk. dosl. in-t psikhol. URSR, 1956,
          4, 123-150

Abstract: Afterimages (AI) were investigated in 40 normal
          and in more than 100 nervous and psychotic patients,
          after 15 sec. of fixation of 1, or 2-3 simple flat
          geometrical figures (F) of various colors. Trans-

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Country : USSR
Category: Human and Animal Physiology. Nervous System.
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhBiol., No 19, 1958, 89230

formation of AI was observed in normal subjects
only during the period of their extinction. Trans-
formation resulted basically following perception
of several F simultaneously and manifested itself
in the confluence and superimposition of one F upon
another. The deformation of the AI of a circle was
the easiest to occur. The AI of a square was the
most stable of all. Following consecutive showing
of a series of F the AI of that F occurred which
was fixed 2 or 3 times longer than the others.
Multiple repetition of one F led to the weakening
and disappearance of its AI, the clarity of the
optical perception remaining unchanged. AI failed

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T-104

Country : USSR

Category: Human and Animal Physiology. Nervous System.
Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., No 19, 1958, 89230

to appear following perception of a complicated differentiated F or following projection of AI upon a composite surface. In the process of extinction the AI at first lost color then clearness. Marked transformation of AI was observed in patients and in those with schizophrenia; the AI were distorted by strange presentations. The author underlines the role of the central processes in AI and considers them as a manifestation of optical reception at a low level. Experiments with the method of variable "arrengements" demonstrated that a single prolonged fixation of a pair of F differing in size and form, for a period of 20-30 sec., produced in

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Country : USSR   T
Category: Human and Animal Physiology. Nervous System.
          Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., No 19, 1958, 89230

          75 and 47% of experimental subjects (correspondingly)
          illusions of distinction of a pair of similar F's;
          prolonged fixation of one F distorted the following
          perception of F of another size. When the differ-
          ence of size and form was greater the errors had
          the character of contrast; when the difference was
          small - of similarity. Prolonged presentation of
          F or its brief exposition produced less marked illu-
          sions. -- M.I. Lisina

Card   : 4/4

BOGUSH, M.R. [Bohush, M.R.]; VALIGURA, L.I. [Valihura, L.I.]

Some peculiarities in emotional-volitional manifestations in an
imaginary and a real competitive situation. Nauk. zap. Nauk.-dosl.
inst. psykhol. 11:197-200 '59.   (MIRA 13:11)

1. Gosudarstvennyy institut fizicheskoy kul'tury, Kiyev.
        (Sports—Psychological aspects)

BOGUSH, M.R. [Bohush, M.R.]

New apparatus for graphic registration of movement in performing physical exercises. Nauk. zap. Nauk.-dosl. inst. psykhol. 11:208-211 '59.   (MIRA 13:11)

1. Gosudarstvennyy institut fizicheskoy kul'tury, Kiyev.
        (Exercise)   (Physiological apparatus)

BOGUSH, N.R.

USSR/Human and Animal Physiology - Nervous System.   R-12

Abs Jour   : Referat Zhur - Biologiya, No 16, 1957, 71182

Author   : Bogush, N.R.
Title   : The Phenomena of Interaction of the Visual and Motor
              Analysers in the Perception and Production of Movements.

Orig Pub   : Vopr. psikhologii, 1956, No 3, 48-54

Abstract   : Tests were carried out on students. On removal of the vi-
              sual control, the stability and clarity of the motor con-
              cepts about the movements to be performed increases.
              Unlearned movements are produced most precisely, when the
              first and the second movements are conducted under visual
              control; less precise when vision is excluded; and even
              less precise when the first movement occurs under visual
              control and the second-without. Author recommends that
              in teaching motor habits, after their practice under visu-
              al control to continue practising them with exclusion of
              vision. In objective movements the dominance of the visu-
                                                                       al

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