

Total neutron cross sections for ...

S/089/62/012/006/009/019  
B102/B104

Egelstaff (AERE, N/R 1147). 12.5 barns was assumed as absorption cross section, and 10 barns as coherent scattering cross section. Hence, the incoherent scattering cross section was 4.5 barns. (3) Sb: The coherent scattering cross section was assumed to be 3.8 barns, and the absorption cross section 5.7 and 7.6 barns. Hence, the incoherent scattering cross section was 0.5 barn, the error exceeding 50%. The scattering cross section for small angles and  $E_n = 0.003 - 0.0045$  ev was  $\sim 2$  barns. (4) Te: U

For an absorption cross section of 4.7 barns and a coherent scattering cross section of 4 barns, an incoherent scattering cross section of 3 barns was obtained, the error being 10%. There are 6 figures.

ASSOCIATION: Institut atomnoy fiziki AN Rumynskoy Narodnoy Respubliki Bukharest (Institute of Atomic Physics of the AS of the Rumanian People's Republic, Bucharest)

SUBMITTED: November 4, 1961

Card 2/2

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[deceased]) Voenno-meditsinskoy ordena Lenina akademii imeni  
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KRUPKO, I.L., general-major meditsinskoy sluzhby, prof.; BALLYUZEK, F.V.;  
podpolkovnik meditsinskoy sluzhby, doktor med. nauk; FARSHATOV,  
M.N., podpolkovnik meditsinskoy sluzhby, kand. med. nauk; GLEBOV,  
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(MEDICINE, MILITARY AND NAVAL, educ.  
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military med. educ, in Russia (Rus))

GEORGIYEVSKIY, A.S., prof., general-lieutenant meditsinskoy sluzhby; DAIMASOV,  
A.A., dotsent, polkovnik meditsinskoy sluzhby

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(Tallinn--Boilers) (Automatic control)

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Avtomaticheskoye regulirovaniye protsessov tsellyulozno-bumazhnogo proizvodstva (Automatic regulation of precesses of paper-pulp production) Moskva, Goslesbumizdat, 1955.

248 p. illus., diagrs., tables.

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retsenzent; BABAKIN, B.I., red.; BARANOV, N.A., red.; SARMATSKAYA,  
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[Automatic control of processes in the manufacture of woodpulp  
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bumazhnogo proizvodstva. Moskva, Goslesbumizdat, 1955. 248 p.  
(Woodpulp industry) (MIRA 11:6)  
(Paper manufacture) (Automatic control)



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KUZNETSOVA, A.G.; SHARAPOVA, Z.I.

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TSentral'nogo nauchno-issledovatel'skego instituta bumagi.  
(Sulfite liquor)

BALMASOV, Ye.Ya., kandidat tekhnicheskikh nauk.

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(Automatic control)

BALMASOV, Ye.Ya.

Thermostatic control of digesters. Dum.prom 31 no.10:5-9 0 '56.

(MERA 10:1)

1. Moskovskiy filial Tsentral'nogo nauchno-issledovatel'skogo instituta bumagi.

(Woodpulp industry) (Thermostats)

BALMASOV, Ye.Ya.

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1. Moskovskiy filial Tsentral'nogo nauchno-issledovatel'skogo instituta bumagi.

(Paper--Testing) (Photoelectric measurements)

BAIMASOV, Ye.Ya., kand.tekhn.nauk

Automation of continuous cooking of semichemical pulp in Chemi-  
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(Woodpulp) (Automatic control)

BALMASOV, Ye.Ya., kand.tekhn.nauk

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(MIRA 11:11)

1. Moskovskiy filial Tsentral'nogo nauchno-issledovatel'skogo  
instituta tsellyuloznoy i bumazhnoy promyshlennosti.  
(Woodpulp)

BALMASOV, Ya.Ya., referent, kand.tekhn.nauk

Some problems of the measurement of the surface temperature of  
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(Sweden--Papermaking machinery)  
(Temperature--Measurement)

BALMASOV, Ye.Ya., kand. tekhn. nauk

Use of computers for the automatic control and regulation  
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0 '59. (MIRA 13:2)

1. Moskovskiy filial Tsentral'nogo nauchno-issledovatel'skogo  
instituta tsellyuloznoy i bumazhnoy promyshlennosti.  
(Woodpulp industry--Equipment and supplies)  
(Automatic control)



BUSHMEL'EV, Vasilii Afanas'yevich; VOL'MAN, Nikolay Stanislavovich;  
BALMASOV, Ye.Ya., red.; FEDOROV, B.M., red, izd-va; KORNYUSHINA,  
A.S., tekhn. red.

[Processes, equipment, and machinery of the woodpulp and paper  
industry; textbook for special secondary schools] Protsestry,  
apparaty i oborudovanie tselliulozno-bumazhnogo proizvodstva;  
uchebnik dlia srednikh spetsial'nykh uchebnykh zavedenii.  
Moskva, Goslesbumizdat, 1960. 422 p. (MIRA 13:11)  
(Paper industry--Equipment and supplies)

BALMASOV, I. I.

PHASE I BOOK EXPLOITATION

SOV/4738

Voroshilov, Mstislav Sergeevich, and Yevgeniy Yakovlevich Balmasov

Avtomatizatsiya tekhnologicheskikh protsessov tsellyulozno-bumazhnogo proizvodstva (Automation of Technological Processes of the Pulp and Paper Industry) Moscow, Goslesbumizdat, 1960. 470 p. 3,000 copies printed.

Ed.: A.M. Messerer; Ed. of Publishing House: G.I. Samatskaya; Tech. Ed. A.S. Korniyushina.

**PURPOSE:** This book is intended for technical personnel concerned with the planning, implementation, and operation of automation processes in pulp and paper mills.

**COVERAGE:** The authors examine the basic technological processes of pulp- and papermaking, their automation circuits, the technical means for the automatic checking and control of the technological parameters of production, and methods of computing the principal objects of control. Information is given on those physicochemical properties of materials and agents, a knowledge of which is

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Automation of Technological Processes (Cont.)

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required in order to design pickups for measurement and control instruments. Chapters 1, 4, 5, 6, 9, 10, 13, 15, and 17 through 22 were written by M.S. Voroshilov; Ye.Ya. Balmasov wrote chapters 2, 3, 7, 8, 11, 12, 14, 16, and 23. There are 199 references: 132 Soviet, 46 English, 9 German, 5 Swedish, 3 French, 2 Norwegian, and 2 Finnish.

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BALMASOV, Ye.Ya.; SHUL'KIN, G.I.

Automatic measuring of lye. Bum.prom. 35 no.4:16-18 Ap '60.

(MIRA 13:10)

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(Woodpulp)

BALMASOV, Ye.Ya.

Measuring the transmittance of paper. Bum.prom. 35 no.5:  
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instituta tsellyuloznoy i bumazhnoy promyshlennosti.  
(Paper)

BALMASOV, Ye.Ya.

Automatization of the production must be introduced at a  
faster rate. Bum.prom. 35 no.6:4-6 Je '60.

(MIRA 13:7)

(Paper industry) (Automatic control)

BALMASOV, Ye. Ya.

Measuring the transparency of paper. Bum. prom. 36 no.9:32 S  
'61. (MIRA 15:1)

1. Moskovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta tsellyuloznoy i bumazhnoy promyshlennosti.  
(Paper--Testing)

BALMASOV, Ye.Ya., kand.tekhn.nauk

Centralization of control is the most important condition  
of an over-all automation. Bum.prom. 37 no.10:11-13  
0 '62. (MIRA 15:11)

1. Moskovskiy filial Vsesoyuznogo nauchno-issledovatel'skiy  
institut tsellyulozno-bumazhnoy promyshlennosti.  
(Automation)  
(Woodpulp industry)



ARKHIPOV, B.A.; KOMAROV, Yu.S.; TITKO, B.S.; CHERNUKHA, V.Kh.;  
BALMASOV, Ye.Ye., kand. tekhn. nauk, nauchn. red.;  
ALYAKRINSKIY, A.K., inzh., nauchn. red.; POSTNOVA, I.D.,  
red.; PETRENKO, V.M., tekhn. red.

[Wood processing at the Bratsk Woodworking Combine] Podgotovka drevesiny na Bratskom lesopromyshelnom komplekse. Moskva, Tsentral'nyi nauchno-issl. in-t informatsii i tekhniko-derevoobrabatyvaushchei promyshl. i lesnomu khoz., 1963. 22 p. (MIRA 16:11)  
(Bratsk--Woodworking industries)

BALMASOVA, S. A.

"Study of the Subject 'Phase Development of Organisms," Est. v Shkole,  
No.5, 1952

1. S. A. BAIMASOVA
2. USSR (600)
4. Agriculture - Study and Teaching
7. Study of the theme "Effort of the argrobiological sciences to create an abundance of agricultural products." Est. v. shkole no. 1. 1953.

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

USSR/Physics

Ser/Out 48

Microphotography  
Infrared Photography

"Microphotography With Infrared Rays," Z. H. Pilyasova,  
Ye. M. Krumborg, V. Ye. Kozlov, Chair of Anat and  
Histol, Leningrad State U, 3 pp

"Is At Hank USSR, Ser Biol" No 5

Infrared microscopy has previously been little used.  
Discusses methods of Blair and Daviles (1933-34) and  
Derland at Besancon (1929). Describes a new method  
in detail. It can be used for various biological  
preparations, and staining the specimen is a simple  
process. Included four photographs obtained by  
subject method. Submitted 2 May 48.

49/Agri/107

BALMAZI, B.D.

Demonstration building of industrial structures. Trudy NIPI  
no.14:330-344 '59. (MIRA 13:1)

1. Glavnyy tekhnolog tresta Azovstal'stroy (Stalinskiy sovnarkhoz).  
(Zhdanov--Blast furnaces)

BALMAZIYA, I.B.

Method for applying plate sutures. Khirurgiia Supplement:65 '57.  
(MIRA 11:4)

1. Is kafedry gospital'noy khirurgii Chernovitskogo meditsinskogo  
instituta.  
(SUTURES)

BALMER, A.

"Absorption of Fast Electrons in Lithium, Carbon, Aluminium, Copper  
and Lead," Zhur. Eksper. i Teoret. Fiz., 9, No 2, 1939, Res.  
Inst. Physico-Technical Inst., Kharkov

BAL'MONT, V.A.

[Kazakh fine-fleeced sheep; methods of breeding and characteristics of breeds] Kazahskie tonkorunnye ovtsy; Metodika vyvedeniia i kharakteristika porody. Alma-Ata, Kazahskoe ob'edinennoe gos. izd-vo, 1948; 134 p. (MLRA 9:12)  
(Kazakhstan--Sheep)



24164 BAL'MONT, V. A. O napravlenii raboty po uluchsheniyu kurdyuchnykh ovets. Sov  
zootekhnika, 1949, No. 3, S. 44-53.

SO: Letopis, No. 32, 1949.

BALIMONT, V. A.

29775

Uluchshyeniye ovyets V Alma-Atinskoy oblasti Kazakhskoy SSR. Sots. Zhivotnovodstvo, 1949,  
No. 5, S. 17-22

SO: LETOPIS' NO. 40

BAL'MONT, Vladimir Aleksandrovich, laureat Stalinskoy premii; SAVICH, M.P.,  
redaktor; ZLOBIN, M.V., tekhnicheskiiy redaktor

[Sheep breeds for the five-year plan in Kazakhstan] Planovye porody  
ovets Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1956. 54 p.  
(MLRA 9:10)

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR. (for Bal'mont)  
(Kazakhstan--Sheep)

BAL'MONT, V.A., prof.; SEMENOV, A.G., assistant

Development of new lines of Kazakh fine-wool sheep by graded crossing of French Merino X Kazakh fat-tail ewes with Askaniya, Altai, and Groznyy rams on the Kastek State Sheep Breeding Farm. Trudy AZVI 9:15-23 '56. (MIRA 15:4)

1. Iz kafedry melkogo zhivotnovodstva (zav. kafedroy - chlen-korrespondent AN KazSSR, zasluzhennyy deyatel' nauki, doktor professor V.A.Bal'mont) Zooveterinarnogo instituta, Alma-Ata. (Kazakhstan--Sheep breeding)

BA-MONT V.A.

USSR/Farm Animals.-Small Horned Stock

Q-3

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26153

Author : Bal'mont V.A., Senonov A.G.

Inst : Not Given

Title : Breeding of New Strains of the Kazakh Fine-Wool Sheep by Means of the Inbreeding of Ewes of the Hybrids, Precoco Kazakh Fat-Tailed, with the Rams of the Askaniya, Altay, and Grozny Broods in the Kastek Pedigree Sheep-sovkhoz (Vyyodoniye novykh liniy kazankhskikh tonkorunnykh ovets putem vvodnogo skreshchivaniya matok pomesey prokos kazakhskaya kurdyuchnaya s barenami askaniyskoy, altayskoy i groznenskoy porod v Kastekskom plemonnoy obtsesovkhoze)

Orig Pub : Tr. A ma-Stinsk. zoovet. in-te, 1956, 9, 15-23

Abstract : In order to produce new lines of sheep of the Kazakh fine-wool breed with higher wool productivity, as from 1952 the rams of the Askaniya and Altay broods, and from 1954 those of the Grozny brood, are extensively utilized. The crossing by way of inbreeding of the hybrid ewes with semi-five wool and

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USSR/Farm Animals, - Small Horned Stock

Q-3

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26153

partly of those with fine-wool, with rams of the above-mentioned broods is employed. The ewes obtained from this crossing are mated with the best rams of the Kazakh fine-wool brood with a view to obtain eminently productive rams for the mass improvement of the flock and for establishing new strains. Likewise, for this purpose the best rams obtained from the inbred crossing are used. Two-year old ewes, select and first class ones, produce the following average wool yield: daughters of rams of the Kazakh fine-wool and Askaniya broods 4.21 kg., daughters of rams of the Altay brood 4.07 kg. From 1954, two-year old ewes descended from the rams of the Askaniya and Altay broods are inseminated by the best Kazakh fine-wool rams. The biggest hybrid ewes of the I and partly of the III class were inseminated by the rams of the Groznyy brood.

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USSR/Farm Animals - Small Horned Stock

Q-3

Abs Jour : Rof Zhur - Biol., No 6, 1958, No 26153

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Comment: [The Askaniya fine-wool breed was developed by Academician M.F. Ivanov. It is a cross of Ram-bouillet and Askaniya Merino. It was called after Askaniya-Nova, a state reservation where the All-Union Scientific Research Institute of the Hybridization and Acclimatization of Animals under Academician M.F. Ivanov was founded and functions now, and which belongs to the framework of the All-Union Academy of Agricultural Sciences under Lenin. The settlement of Askaniya-Nova is situated in the Novo-Troitsk rayon of the Kherson Oblast'. The Askaniya sheep, according to Soviet sources, are the biggest Merino sheep in the world].

Card : 3/3

BAL'MONT, V.A., prof.

Breeding of fine-fleeced varieties of sheep for meat and wool  
in Kazakhstan. Trudy AZVI 10:5-13 '57. (MIRA 12:8)

1. Iz kafedry melkogo shivotnovodstva (sav.kafedroy - chlen-  
korrespondent AN KazSSR, zaslushennyy deyatel' nauki, doktor  
prof. V.A.Bal'mont) Alma-Atinskogo zoovetinstituta.  
(Kazakhstan--Sheep)



BAL'MONT, V.A., akademik; GRAFYEVA, L.G.; SEMENOV, A.G.

New swine breed in the southern districts of Kazakhstan. Dokl.  
Akad. sel'khoz. 23 no.8:7-10 '58. (MIRA 11:8)

1. Alma-Atinsky sovetinstitut.  
(Kazakhstan--Swine breeds)

BAL'MONT, V.A., akademik, zaslushennyy deyatel' nauk KazSSR.

Role of inbreeding in the improvement of Kazakhstan fine-wool sheep. *Agrobiologiya* no.3:431-435 My-Je '59. (MIRA 12:9)

1. Vsesoyuznaya akademiya sel'skogo khozyaystva im. V.I.Lenina, Kazakhskaya akademiya sel'skokhozyaystvennykh nauk, Alma-Ata.  
(Kazakhstan--Sheep breeding)

BAL'MONT, V.A., akademik (g.Alma-Ata)

Making use of the creative role of selection in developing  
farm animal breeds. Agrobiologiya no.5:777-778 S-0 '59.  
(MIRA 13:2)

1. Vsesoyuznaya akademiya sel'skokhoz.nauk imeni V.I.Lenina i  
Kazakhskoy akademii sel'skokhoz'yaystvennykh nauk.  
(Stock and stockbreeding)

BAL'MONT, V.A.

The problem of improving breed work. Zhivotnovodstvo 21 no.2:8-12  
F '59. (MIRA 12:3)

1. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh  
nauk imeni V.I.Lenina, vitse-prezident Akademii sel'skokhozyaystvennykh  
nauk Kazakhskoy SSR.

(Stock and stockbreeding)

BAL'MONT, V.A. red.

[Breeds of farm animals in Kazakhstan] Porody sel'sko-  
khoziaistvennykh zhivotnykh vyvedennye v Kazakhstane.  
Alma-Ata, Kazakhskoe Gos.izd-vo, 1960. 366 p.  
(MIRA 16:9)

(Kazakhstan--Stock and stockbreeding)

BAL'MONT, V.A.

Trend in the breeding work on sheep farms of Kazakhstan.  
Izv. AN Kazakh. Ser. biol. nauk no. 3:3-13 '63. (MIRA 17:9)

USSR/Medicine - National File

Card : 1/1 Pub. 123 - 12/19

Authors : Balmukhanov, S. B. and Okun', F. A.

Title : Effect of x-rays on the blood chart of goiter patients

Periodical : Vest. AN Kaz. SSR 12, 83 - 87, December 1953

Abstract : The relation between the blood chart and goiter, is explained. The changes occurring in the red and white blood corpuscles after treatment of goiter with x-rays, are described. The data presented are based on actual case histories of 165 goiter patients treated with x-rays.

Institution : Acad. of Sc. Kaz. SSR, Alma-Ata

Presented by : A. N. Syzganov, act. memb. of the Acad. of Sc. Kaz. SSR

USSR/Human and Animal Physiology - Action of Physical Factors. 4-13

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32323

Author : Balmukhanov, S.B.

Inst :

Title : Influence of X-ray on the Permeability of Vessels. Report  
2. Change of the Permeability of the Vessels of a Rabbit  
with a Novocaine Block Under the Action of X-Rays.

Orig Pub : Tr. In-ta krayeboy patol. AN KazSSR, 1956, 4, (11), 235-  
241.

Abstract : A solution of trypan blue (I) was introduced into the femoral vein of rabbits and the rate of its yield from the vessels of the ear was observed (in a binocular microscope with lateral illumination). In intact rabbits, the time of yield of I from the vessels was 25-30 minutes. In the course of the first 10 minutes after local exposure to 200-224 r, the permeability of the vessels did not change. In 30 minutes after exposure, the time of yield

Card 1/2



USSR/ Human and Animal Physiology. Effect of Physical Factors. T-13

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3958

Author : Balmukhanov, S. B.

Inst : AS Kazakh SSR

Title : The Influence of Novocain and Barbamyl on the Course  
of Acute Radiation Sickness in White Rats

Orig Pub : Tr. In-ta klinich. eksperim. khirurgii, AN KazSSR, 1957,  
3, 65-70

Abstract : To rats (42) subjected to general Roentgen irradiation  
of 840 r, novocain (I) was introduced subcutaneously daily  
from an estimate of 5 mg/100 r. I did not increase the  
30-day survival and did not inhibit the perishing  
of animals as compared with control. The same doses of  
I in combination with daily injections of barbamyl (II)  
from the estimate of 6 mg/100 g (38 rats) even lowered  
survival and hastened the perishing of animals as compared

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USSR / Human and Animal Physiology. Effect of Physical Factors. T-13

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3958

with the control. In both cases the rats lost more weight than the controls (irradiated with the same dose). Outside the irradiation, the applied doses of I and II were not toxic. -- E. B. Glikson

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BALMUKHANOV, S.B., dots.

All-Union Scientific and Technical Conference of the Use of  
Radioactive and Stable Isotopes and Radiations in Industry  
and Science. Zdrav.Kazakh. 17 no.7:50-52 '57. (MIRA 12:6)  
(RADIOLOGY--CONGRESSES)

BALMUKHANOV, S. B.: Doc Med Sci (diss) -- "The effect of the functional state of the nervous system on the development of certain radiation reactions". Alma-Ata, 1958. 28 pp (Acad Med Sci USSR), 300 copies (KL, No 6, 1959, 140)