"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, N.S.

Furunculosis in horses in Arctic regions. Veterinariia 33 no.9:43-45 S '56. (MLRA 9:10)

1.Glavnyy veterinarnyy vrach Kureyskogo sovkhoza, Igarskiy rayon, Krasnoyarskogo kraya.
(Arctic regions--Horses--Diseases) (Furunculosis)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BARANOV, N.S.

"Practical advice for technicians concerned with welding of cement-making equipment." TSement 18, no. 4, 1952.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, N.S., inzhener.

Reconditioning of the rotor blades of turbine-type air blowers by welding. Vest. mash. 33 no.12:82-83 D '53. (MLRA 6:12)

1. Tsentral'nyye eksperimental'nyye svarochnyye masterskiye Glavkislorada.
(Blades) (Welding)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

RAZHANOV, N.S., inzhener.

Welding a 2200 h.p. cast iron Diesel frame. Vest.mash.35 no.9:55-56 S '55. (MLRA 9:1)

1. TSentral'nye eksperimental'nye svarochnye masterskiye Glavkisloroda.
(Diesel engines--Welding)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

SOV-13-58-10-13/19

AUTHOR: Bazhanov, N.S., Engineer

TITLE: Repair Welding of Large-Size Rolling-Mill Electric Motors (Svarka pri remonte krupnykh elektrodvigateley prokatnykh stanov)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 10, pp 35-37 (USSR)

ABSTRACT: Experimental workshops of VNIIAvtogen have developed methods of welding up cracks and welding additional strengthening elements on metal structures of rolling-mill electric motors. The author presents several illustrated examples of repair welding and shows that the beveling of defective spots can be performed by mechanical or flame treatment, with subsequent chiselling of the edges. The machine need not be dismounted. The repair should be carried out by highly skilled welding operators. There are 9 diagrams.

ASSOCIATION: Tsentral'nyye eksperimental'nyye svarochnyye masterskiye VNIIAvtogena (Central Experimental Welding Workshops of VNIIAvtogen)

1. Electric motors--Maintenance 2. Welding--Applications

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, N.S., inzh.

Welding-up cracks in the stand of a rail and structural steel rolling mill. Svar. proizv. no.8:32 Ag '61. (MIRA 14:8)

1. TSentral'nyye eksperimental'nyye svarochnyye masterskiye Vsesoyuznogo nauchno-issledovatel'skogo instituta avtogennoy obrabotki metallov.
(Rolling mills--Maintenance and repair)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, P.I., inzhener; CHERNEV, K.K., inzhener.

Repairing a hydrogenerator stator. Elek.sta. 25 no.12:46-47 D '54. (MLRA 7:12)

(Dynamos)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, P.I., inzhener; YEGOROV, F.S., inzhener.

Using automatically controlled diesel generators. Energetik 4 no.9: 1-2 S '56. (MIRA 9:10)
(Diesel engines) (Automatic control)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, S. A.

Tsvetnoe televidenie. [Color television]. (Radio-front, 1941, no. 7, p. 40-42).
DLC: TK540.R76

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, ...

"Radiolocation", Moskva, Voennoe izd-vo Ministerstva vooruzhennykh sil Soyuza SSR, 1948

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, S.A.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 390 - I

BOOK Call No.: TK6575.B38

Author: BAZHANOV, S. A., Engineer Captain
Full Title: WHAT IS RADAR?
Transliterated Title: Chto takoye radiolokatsiya

Publishing Data
Originating Agency: None
Publishing House: Military Publishing House of the Ministry of Armed Forces of the USSR
Date: 1949 No. pp.: 183 No. of copies: 48,000
Editorial Staff
Editor: None Tech. Ed.: None
Editor-in-Chief: None Appraiser: None
Others: None

Text Data
Coverage: This book is written as an introduction to the field of radar. It expounds the basic elements of radar and its military applications in particular. Basic data on the most important aspects of radar stations are given.

This work is written in a popular form and does not require any special preparation except for a secondary course in physics.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

Chto takoye radiolokatsiya AID 390 - I

Ch. 2. Principles in Radar
" 3. Radio Waves and Oscillations
" 4. Direction in Space
" 5. Oscillator Tubes
" 6. Radar Station "Shoots"
" 7. Radar Clocks
" 8. From Receiving Antenna to Indicator
" 9. Radar Station
" 10. Radar, A Powerful Combat Weapon

Purpose: Intended for military personnel interested in the field of radar

Facilities: None

No. of Russian and Slavic References: None

Available: Library of Congress

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, S.A.

Chto takoe radiolokatsiia. Moskva, Voen. izd-vo, 1949. 182 p., illus.

Title tr.: What radiolocation is.

TK6575.B38

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

AID P - 2927

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 24/32

Authors : Bazhanov, S. A. and V. F. Voskresenskiy, Engs.

Title : Device for measurement of the angle of dielectric losses

Periodical : Elek. sta., 7, 56-57, Jl 1955

Abstract : The authors analyze the design of the different measuring devices built according to "GOST" standard specifications. Four diagrams illustrate the explanation.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, S.A., inzh.

Mobile high-voltage testing laboratory. Nov. tekh. zhil.-kom. khoz.: Elek. i tepl. gor. no.5:4-17 '64.

(MIRA 18:2)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii rayonnykh elektrostantsiy i setey.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, S.A., inzh.

Testing of the winding insulation of water-cooled generators. Elek. sta. 36 no.6:53-55 Je '65. (MIRA 18:7)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, S.M.; BRAUN, Ye.Ya.

Modernization of VBD inductive transducers. Nauch. trudy KNIUI no.15:223-225 '64. (MIRA 18:8)

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BUKHMAN, Yakov Zakharovich; VERNIGOR, P.I., retsenzent; PODVYSOTSKIY, K.S., retsenzent; BAZHANOV, T.A., red.; SKOROBOGACHEVA, A.P., red. izd-va; MATLYUK, R.M., tekhn. red.

[Safety measures in the handling of gases] Gazospasatel'noe delo. Moskva, Metallurgizdat, 1963. 256 p. (MIRA 16:7)
(Gases—Safety measures)

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BAZHANOV, V. A., Military Veterinarian 2nd Grade, Mil. Vet. Lab. No. 401

"Non freezing fluid for fixation of pathological material"

Veterinariya, Vol. 20, N . 2, Feb. 1943, Uncl (TABCON)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V. F., SHCHERBOLEV, M. I.

Tobacco Manufacture and Trade

Year-round work schedule for Tobacco factories. Tabak 13 no. 1, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, June 1952. Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

inserted. 5000 copies printed.

TOPIC TAGS: structure strength, structure stability, structure vibration, thermal elasticity, thermal plasticity, creep thermal stress

PURPOSE AND COVERAGE: This book is intended for engineer-designers

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

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Round Blades and Turbine Blades

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

PART V. THERMAL STRESSES IN

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Appendix 1. Carbon steel -- 501

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SUBMITTED: [illegible] NO REF SOV: 276

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BASHANOV, V.S.

3C

A-4

Mammal hybrids. V. S. Bashanov. (Compt. rend. Acad. Sci. U.R.S.S., 1944, [illegible]).—Cases of natural hybridization between Citellus [illegible] and [illegible] and between C. major and C. fulvus are recorded. The problem of interspec. hybridization in nature is briefly discussed. [illegible] of the genus Citellus are [illegible] of subspecies and that they have only recently [illegible] ation. I. D. R.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V.S.

Some problems in the history of marmot distribution in the Asian highlands. Izv.AN Kazakh.SSR.Ser.zool. no.6:65-68 '47.(MLRA 9:6)
(Soviet Central Asia--Marmots)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

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BAZHANOV, V.S.

Pleistocene and recent forms of the large suslik. Izv.AN Kazakh. SSR.Ser.zool.no.6:130-131 '47. (MLRA 9:6)
(Susliks)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V. S.

IA 29T68

USSR/Medicine - Animals Jul/Aug 1947
Medicine - Squirrels

"The Probable Route by Which Squirrels Infiltrated Kamchatka," V. S. Bazhanov, 2 pp

"Iz Vsesoyuz Geog Obshchestva" Vol LXXIX, No 4

The author gives the various views expressed by several scientists with respect to the question of the immigration routes of squirrels into the regions of the Kamchatka Peninsula. The studies are on the immigration of the Sciurus vulgaris L. One of the main methods of tracing the routes was by a study of the forest regions containing Laris dahurica, and Pinus pumila.

LC 29T68

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21609 BAZHANOV, V. S. Sovremennoye rasprostraniye i istoriya bol'shogo suslika. (Citellus major Pall., 1770). Izvestiya Akad. Nauk kazakh. SSR, No. 63, Seriya zool. vyp. 8, 1948, s 27 -50. Rezyume-na kazakh. yaz. Bibliogr. s. 49 -50.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

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BAZHANOV, V. S.

"Comparison of Horizons with Indricothere Fauna Within the Limits of the Turgay Depression"
Izv. AN Kazakh SSR, No 125, Ser. Biol., No 8, 57-61, 1953 (Kazakhstani resume)

On the basis of new data on the Tertiary continental deposits of the Turgay depression (Central Kazakhstan) the author compares the bone-bearing horizons of the main sites of indricothere fauna (gigantic rhinoceroses prehistoric times). (RZhGeol, No 6, 1954)

SO: Sum. 492, 12 May 55

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BAZHANOV, V.S.

KARTASHEV, N.N.

"Animals of Kazakhstan." A.V.Afanas'ev, V.S.Bazhanov, M.N.Korelov, A.A.Sludskii. Reviewed by N.N.Kartashev. Zool.zhur.33 no.1:237-240 Ja-F '54. (MLRA 7:2)

(Afanas'ev, A.V.) (Kazakhstan--Zoology)
(Zoology--Kazakhstan)

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BAZHANOV, V.S.

Historical changes in the ecology of certain pikas. Trudy Inst. zool.AN Kazakh.SSR 4:83-96 '55. (MIRA 10:1)
(Pikas)

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BAZHANOV, V.S.; NURUMOV, T.N.

New data on Tertiary deer in Kazakhstan. Mat. k ist. fauny i flory Kazakh. 1:14-28 '55. (MIRA 11:5)
(Kazakhstan--Deer, Fossil)

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BAZHANOV, V.S.; KOSTENKO, N.N.

Stratigraphic scheme of Tertiary deposits of southeastern Kazakhstan and northern Kirghizia in the light of paleontological data. Mat. po ist. fauny i flory Kazakh. 2:5-16 '58. (MIRA 11:7)
(Kazakhstan--Paleontology, Stratigraphic)
(Kirghizistan--Paleontology, Stratigraphic)

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BAZHANOV, V.S.; VOSKOBOYNIKOV, M.Ye.; GLADKOV, I.I.; MNUSHKIN, L.B.

Stratigraphic position of recently found remains of marine mammals on the Mangyshlak Peninsula. Mat. po ist. fauny i flory Kazakh. 2:17-27 '58. (MIRA 11:7)

(Mangyshlak Peninsula--Paleontology, Stratigraphic)

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BAZHANOV, V.S.

Upper Jurassic pliosaurians and ichthyosaurians of western Kazakhstan. Mat. po ist. fauny i flory Kazakh. 2:72-76 '58. (MIRA 11:7)
(Shchuchkina region--Reptiles, Fossil)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V.S.; KORNILOVA, V.S.

What the paleontologists of Kazakhstan are working on. Mat. po ist. fauny i flory Kazakh. 2:161-162 '58. (MIRA 11:7)
(Kazakhstan--Paleontological research)

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LAVROV, V.V.; BAZHANOV, V.S.

Results of geological and paleontological investigations of Tertiary strata of the Zaisan Depression; preliminary report. Vest.AN Kazakh.SSR 15 no.1:55-59 Ja '59. (MIRA 12:1)
(Zaisan Depression--Geology, Stratigraphic)
(Zaisan Depression--Paleontology)

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LAVROV, V.V.; BAZHANOV, V.S.

Paleontology of continental Tertiary strata of Kazakhstan and the prognosis of mineral deposits. Vest. AN Kazakh. SSR 15 no.4:37-42 Ap '59. (MIRA 12:7)
(Kazakhstan--Paleontology, Stratigraphic) (Prospecting)

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KORNILOVA, Valentina Stepanovna; BAZHANOV, V.S., kand.biolog.nauk, otv. red.; SEMENOV, M.N., red.; PROKHOROV, V.P., tekhn.red.

[Lower Miocene flora of Kushuk (Turgay Gates)] Nizhnemiotsenovaia flora Kushuka (Turgaiskii progib). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1960. 128 p. (MIRA 13:7)
(Turgay Gates--Paleobotany)

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BAZHANOV, V.S., KOSTENKO, N.N.

Principles for the stratigraphic correlation of Quaternary sediments in Kazakhstan and certain other countries. Izv. AN Kazakh. SSR. Ser. geol. no.1:3-18 '60. (MIRA 13:8)
(Kazakhstan—Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHENOV, V.S.

Time of the appearance of the genus Hipparion in Kazakhstan. Mat. po ist. fauny i flory Kazakh. 3:3-10 '61. (MIRA 14:7)

(Kazakhstan--Horses, Fossil)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

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BAZHANOV, V.S.; KOSTENKO, N.F.

Geological cross section of the Dzungarian Ak-Tau and its paleozoological foundation. Mat. po ist. fauny i flory Kazakh. 3:47-52 '61. (MIRA 14:7)
(Severnyy Ak-Tau—Paleontology, Stratigraphic)

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BAZHANOV, V.S.

Fauna of small mammals existing at the end of the Neogene period found at a site in the Trans-Ili Ala-Tau. Mat. po ist. fauny i flory Kazakh. 3:179-183 '61. (MIRA 14:7)
(Trans-Ili Ala-Tau--Mammals, Fossil)

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Expeditionary work of the Section of Paleobiology during 1957-1960. Mat. po ist. fauny i flory Kazakh. 3:188-191 '61. (MIRA 14:7)

(Kazakhstan--Paleontological research)

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BAZHANOV, V.S.

Upper Cenozoic ostriches from the Tien Shan. Trudy Inst. zool. AN Kazakh. SSR 15:5-11 '61. (MIRA 14:7)
(Tien Shan--Ostriches, Fossil)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V.S.

First find of a dinosaurian eggshell in the U.S.S.R. Trudy Inst. zool. AN Kazakh. SSR 15:177-181 '61. (MIRA 14:7)
(Zaysan Lake region—Dinosauria)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

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BAZHANOV, Valer'yan Semenovich; KOSTENKO, Nikolay Nikolayevich; AFANAS'YEV, A.V., prof., otv. red.; OSTROVERKHOV, A.P., red.; ROROKINA, Z.P., tekhn. red.

[Atlas of Quaternary guide mammals in Kazakhstan] Atlas rukovodiashchikh form mlekopitaiushchikh antropogena Kazakhstana. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1962. 109 p. (MIRA 15:7)

(Kazakhstan—Mammals, Fossil)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V.S.; GALITSKIY, V.V.; YEREMIN, V.K.; KOSTENKO, N.N.; MEDOYEV, G.TS.; TETYUKHIN, G.F.

Resoultions of the Second Kazakhstan Interdepatrmental Conference on the Quaternary Period and Geomorphology of Kazakhstan. Izv.AN Kazakh.SSR. Ser.geol. no.5:115-119 '62. (MIRA 15:12)

1. Akademiya nauk Kazakhskoy SSR (for Bashanov, Galitskiy, Medoyev). 2. Ministerstvo geologii i okhrany nedr Kazakhskoy SSR (for Teremin). 3. YuKGU (for Kostenko). 4. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mineral'nogo syr'ya, Tashkent (for Tetyukhin).
(Kazakhstan—Geology, Stratigraphic—Congresses)
(Kazakhstan—Geomorphology—Congresses)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

GALUZO, I.G., akademik; BAZHANOV, V.S.; NURUMOV, T.N.

Exhibition of the Kazakhstan nature. Priroda 51 no.3:62-68 Mr '62. (MIRA 15:3)

1. Institut zoologii AN Kazakhskoy SSR, Alma-Ata. 2. AN Kazakhskoy SSR (for Galuzo).
(Alma-Ata--Natural history museums) (Kazakhstan--Paleontology)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V.S.

Biological data in the work of the Second Kazakhstan Conference on Anthropogenesis. Izv. AN Kazakh. SSR. Ser. biol. nauk no.2:94-95 '63. (MIRA 17:10)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, V.S.

Concerning the boundary between Lower and Middle Quaternary in Kazakhstan. Izv. AN Kazakh. SSR. Ser. biol. nauk 2 no.3:60-67 My-Je '64. (MIRA 17:10)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, Ye.B., CHIZHOV, V.P., KOMAR, A.P., KUL'CHINSKIY, L.A.
VOLKOV, Yu.M., and YAVOR, I.P.

"Photodisintegration of Nuclei by Gamma-Radiation from Leningrad Synchrotron at 60-90 Mev."

Physics Inst. im Lebedev, Acad. Sci. USSR

paper submitted at the A-U Conf. on Nuclear Reactions in Medium and Low Energy Physics, Moscow, 19-27 Nov 57.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

AUTHOR: BAZHANOV,E.B., VOLKOV,YU.M., KOMAR,A.P., KUL'CHICKIY,L.A., CHIZHOV,V.P.

PA - 2648

TITLE: Angular and Energy Distribution of Fast Photoprotons from Ni and Al. (Energeticheskoye i ugloveye raspredeleniye bysterikh fotoprotonov iz Ni i Al, Russian).

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 1, pp 65 - 67 (U.S.S.R.)
Received: 5 / 1957 Reviewed: 6 / 1957

ABSTRACT: The authors investigated by the method of the scintillation telescope the angular and energy distribution of fast photoprotons from Ni and the energy distribution of photoprotons from Al. The Ni and the Al were irradiated with a spectrum of γ-quanta with $E_{max} = 85 \pm 5$ MeV. The telescope consisted of a 0,026 cm thick CsJ(Tl) front crystal and NaJ(Tl) rear crystal of 1,65 cm thickness, which were connected with photomultipliers. The impulses of the front and of the rear counter were investigated by means of a five-channel integral- and a five-channel differential discriminator respectively. Two curves illustrate the energy distributions of the protons emitted from Ni and Al at an angle of 90° to the bundle (in the laboratory system). The energy distribution of the protons emitted from either element have the same form $f(E_p) \sim E_p^{-n}$. With protons of more than 33 MeV n is more than twice the amount of the

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

21 (0)

AUTHORS: ~~Bazhanov, Ye. B.,~~ Volkov, Yu. M., Kul'chitskiy, L. A.

SOV/56-35-2-3/60

TITLE: Investigation of Protons With Energies of 15 - 65 MeV in the Photodisintegration of Al and Ni (Issledovaniye protonov s energiyami 15 - 65 MeV pri fotorasshcheplenii Al i Ni)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35, Nr 2, pp 322-327 (USSR)

ABSTRACT: The present paper is a continuation and further development of the papers (Refs 1, 2) which were published jointly by the authors and by Komar, Chizhov, and Yavor. A report is given concerning the investigation of the angular distribution of photoprotons (Al and Ni) at a maximum bremsstrahlung energy of $E_{\gamma\ max} = 85$ MeV, as well as of the energy distribution of Al-photoprotons at $E_{\gamma\ max} = 90$ MeV and various angles. Experimental arrangement: Shielding wall made from Pb, monitor, magnet, Pb-collimator, telescope, target, camera. The protons originated from the

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Investigation of Protons With Energies of 15 - 65 MeV in the Photodisintegration of Al and Ni

SOV/56-35-2-3/60

100 MeV-synchrotron of the FTI. Recording of photodisintegration products was carried out by two scintillation telescopes (counters) arranged opposite to each other, the target for the investigation of the angular distribution of protons was a foil with 110 μ (for Al) and 50 μ (for Ni), the diameter was 1,6 cm. The results of the investigations are shown by diagrams. Angular distribution of Al photoprotons: figure 3; angular distribution of Ni photoprotons: figure 4; (3 and 2 curves respectively for different proton energies). Energy spectrum of Al photoprotons: figure 5 calculated for $\theta = 30, 90$, and 130°, and figure 6 for $\theta = 90^\circ$. The results are studied and discussed from the viewpoint of the quasi-deuteron mechanism of interaction between γ- quanta and nuclei. There are 6 figures, 1 table, and 10 references, 6 of which are Soviet.

ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut (Leningrad Physico-Technical Institute)

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24(7) SOV/56-37-2-7/56

AUTHOR: Bazhanov, Ye. B.

TITLE: Investigation of the Photoproton Spectra Produced by γ-Quanta Within the Narrow Energy Interval of 82-89 Mev

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 37, Nr 2(8), pp 374-379 (USSR)

ABSTRACT: In the introduction the results obtained by some papers were discussed, in which the interaction of high-energy γ-quanta with nuclei was investigated. The author of the present paper investigated the energy distribution of the photoprotons of C^{12} and Al^{27}; the protons were ejected by γ-quanta from bremsstrahlung spectra possessing peak energies of 82 and 89 Mev (Fig 1). Proton recording was carried out by means of a scintillation telescope (Ref 5) at an angle of $\theta = 90^{\circ}$ with respect to the γ-beam. The target formed an angle of 45° with the latter (target: C^{12} - 150 mg/cm^2, Al^{27} - 40.5 mg/cm^2); solid angle of the telescope: $1.08 \cdot 10^{-2}$ steradian; each telescope consisted of two counters, its angular distribution curve was nearly tri-

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Investigation of the Photoproton Spectra Produced by γ-Quanta Within the Narrow Energy Interval of 82-89 Mev

angular. The thickness of the crystal NaI(Cl) of the rear counter was 1.8 cm, that of the front counter CsI(Tl) 0.025 cm. Experimental results are shown by 1 table and 3 diagrams, and are compared with the results obtained by other authors. Figure 2 shows the C^{12} proton energy spectrum for the entire bremsstrahlung spectrum of the γ-quanta with $E_{\gamma\ max}$ = 89 Mev, compared with the results obtained by Whitehead et al. Also a value obtained by Chuvilo and Shevchenko is plotted (agreement is good). Figures 3 and 4 show the values of the proton energy found by the author for C^{12} and Al^{27} respectively. The fully traced curves $\frac{d\sigma}{d\omega} = f(E_p)$ were calculated according to data by Dedrick (Ref 6), both with and without taking proton scattering in the nucleus into account. Both curves are lower than the values obtained by the author, also if the statistical error is taken into account. In the following the author gives an approximative evaluation of the effect of nucleon scattering within the nucleus. It was

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

SOV/56-37-2-7/56

Investigation of the Photoproton Spectra Produced by γ-Quanta Within the Narrow Energy Interval of 82-89 Mev

found to be absolutely possible that a quasideuteron mechanism may make a contribution to the interaction between the quanta and the investigated isotopic nuclei. The author finally thanks Professor A. P. Komar, as well as L. A. Kul'chitskiy, V. P. Chizhov, Yu. M. Volkov, A. V. Kulikov and G. M. Shklyarevskiy for discussions and interest and he also expresses his thanks to the synchrotron team of the FTI AN SSSR. There are 4 figures, 1 table, and 11 references, 4 of which are Soviet.

ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR (Leningrad Physico-technical Institute of the Academy of Sciences, USSR)

SUBMITTED: March 3, 1959

Card 3/3

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOV, Ye.B.

Curves of the photoproton yield from a C^{12} nucleus. Zhur. eksp. i teor. fiz. 38 no.1:267-269 Jan '60. (MIRA 14:9)

1. Leningradskiy fiziko-tekhnicheskiy institut AN SSSR.
(Photonuclear reactions) (Carbon--Isotopes)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

85674

S/056/60/038/006/016/049/XX
B006/B070

24.6520

AUTHORS: Bazhanov, Ye. B., Kul'chitskiy, L. A.

TITLE: Investigation of High-energy Protons in the Photodisintegration of Li^6

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 38, No. 6, pp. 1685 - 1687

TEXT: High-energy protons (>16 Mev) emitted in the photodisintegration of Li^6 were studied with a view to determine the excitation functions and the excitation probabilities for He^5 and Li^5. The experiments were carried out on the 100 - Mev synchrotron of FTI AN SSSR (Institute of Physics and Technology of the AS USSR). The targets were 100 mg/cm^2 thick and consisted of 90% Li^6 and 10% Li^7. Protons of energies higher than 16 Mev produced in the photodisintegration of Li^6 were recorded by an arrangement described in Ref. 1 (Scintillation counter telescopes). Data were obtained on the photoproton yield as a function of gamma energies (E_γ = 35-87 Mev) for five proton groups

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Investigation of High-energy Protons in the Photodisintegration of Li^6

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with mean energies of 16, 20, 25, 30, and 35 Mev. The width of the energy interval in each group was 20 - 25% of the average energy of the group. Fig. 1 shows the excitation functions for protons with E_p=20 Mev obtained from the experimental curve of the proton yield. The yield and cross section curves of other groups had analogous forms. Measurements were made for θ=57.5 and 102.5°, yet the angles had no significant effect on the results. A relatively slow change of the cross section with the quantum energy was the characteristic feature of the cross section curves at all energies. To obtain additional data, np coincidences were measured for the bremsstrahlung spectrum of the gamma quanta with $E_{\gamma max}$=87 Mev. The neutrons were recorded by a scintillation counter of 6.3 cm^3 volume filled with a solution of p-terphenyl in xylene (5g/l). The proton telescope was placed at an angle of 78° and the neutron counter at an angle of 90° with respect to the gamma beam. The efficiency of the np coincidence recording was 0.104±0.039. The degree of excitation of He^5 and Li^5 nuclei can be obtained from the contributions of the reactions $Li^6(\gamma p)He^5$, $He^5 \rightarrow He^4+n$ and $Li^6(\gamma n)Li^5$, $Li^5 \rightarrow He^4+p$ on the basis of the energy balance.

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Investigation of High-energy Protons in the Photodisintegration of Li^6

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The following results were obtained: The ratio of the number of coincidences to the number of recorded protons: 0.0102±0.0035; the same on the assumption of a 100% correlation of the angles of emission of neutron and proton: 0.098±0.074; the same on the assumption of isotropic distribution of the angles of emission of neutrons: 0.3 - 0.4. Considering the large dimensions of the neutron counter, the probability of the correlated np coincidences being essentially more than 10% of the total number of recorded protons is small. The fact that 30 to 40% of the recorded protons could be accompanied by neutrons indicates a significant production probability of He^5 and Li^5 nuclei in highly excited states. Fig. 2 shows the results of a measurement of proton angular distributions at $E_{\gamma max}$=87 Mev and E_p=20 - 31 Mev. The curve a is calculated from a formula of G. M. Shklyarevskiy (Ref. 6) which assumes a single-nucleon interaction of gamma quanta in the Li^6 nucleus (curve normalized for $\theta=60^o$). The curve b does not satisfactorily agree with the experimental data. Curve c was calculated on the assumption of quasi-deuteron interaction and was also normalized for $\theta=60^o$. For small θ this curve exceeds the experimental values. Professor A. P. Komar

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Investigation of High-energy Protons in the Photodisintegration of Li^6

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B006/B070

and N. N. Chernov of the cyclotron team are thanked for interest. I. P. Yavor is mentioned. There are 2 figures and 6 references: 4 Soviet, 1 US, and 1 Dutch.

ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut (Leningrad Institute of Physics and Technology)

SUBMITTED: January 8, 1960

Card 4/6

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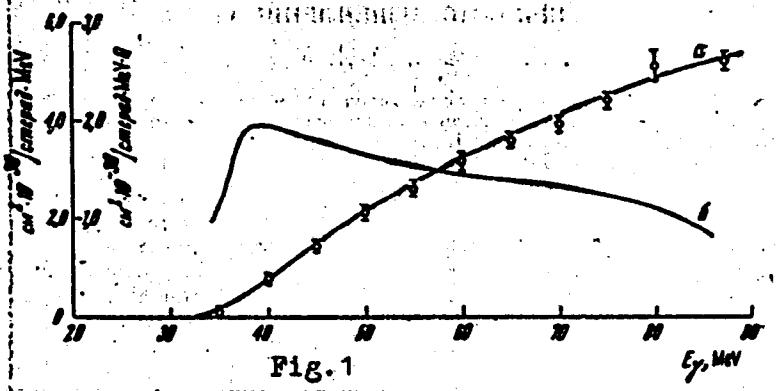

Fig. 1

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Fig. 2

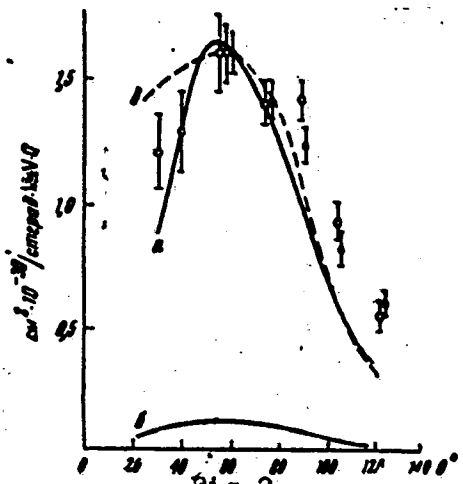

Fig.2

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BAZHANOV, YE. B., CAND PHYS-MATH SCI, "INVESTIGATION OF PROTONS WITH ENERGIES GREATER THAN 15 MEV IN THE PHOTODISINTEGRATION OF NUCLEI Li^6, C^{12}, Al^{27}, AND Ni." LENINGRAD, 1961. (ACAD SCI USSR, RADIUM INST IM V. G. KHLOPIN). (KL, 3-61, 202).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

ACCESSION NR: AP4031188 S/0056/64/046/004/1497/1499

AUTHORS: Bazhanov, Ye. B.; Komar, A. P.; Kulikov, A. V.

TITLE: Photoneutrons from Li-6 and Co-59

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 4, 1964, 1497-1499

TOPIC TAGS: lithium-6, cobalt-59, photoneutron, photoneutron reaction cross section, integral cross section, giant resonance splitting, hydrodynamic theory

ABSTRACT: The cross section of the photoneutron reactions on Li^6 and Co^{59} were investigated in the synchrotron of FTI im. A. S. Ioffe AN SSSR, using a technique where slowed down neutrons were registered by BF_3 counters. The data obtained confirm the presence of a broad resonance in the energy range 7--17 MeV, a considerable dip at 17--19 MeV, and a rise above 19 MeV. The data indicate the presence of two

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ACCESSION NR: AP4031188

additional maxima at 20--24 and 26--30 MeV, which were not indicated in the recent investigation by Costa et al. (Phys. Lett. v. 4, 308, 1963). The results indicate that the Li^6 has high polarizability and the theoretical calculations of J. S. Levinger (Phys. Rev. v. 107, 554, 1957) do not apply to light nuclei. In the case of Co^{59} the results are in good agreement with the predictions of the hydrodynamic model of Okamoto and Danos. Orig. art. has: 2 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute, Academy of Sciences SSSR)

SUBMITTED: 21Nov63 DATE ACQ: 07May64 ENCL: 02

SUB CODE: NP NR REF SOV: 001 OTHER: 003

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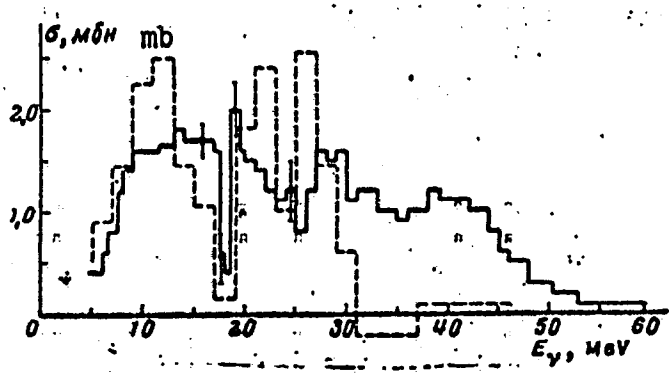
ACCESSION NR: AP4031188 ENCLOSURE: 01



Dependence of the cross section of photoneutron reactions on the energy of the γ quanta for Li^6. The errors indicated are statistical.

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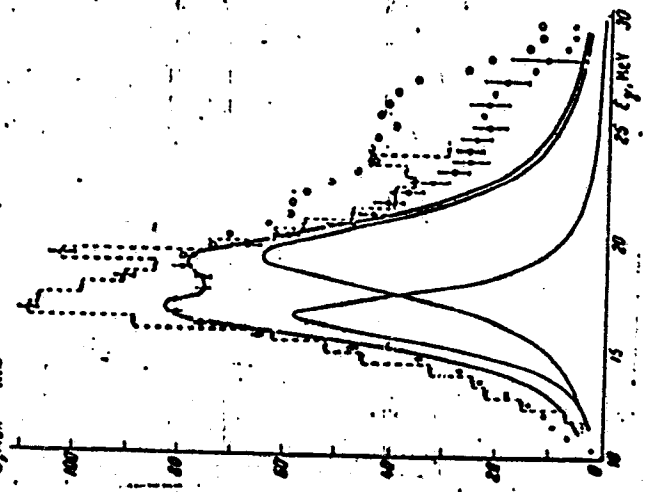
ACCESSION NR: AP4031188

ENCLOSURE: 02



Dependence of the cross section of photoneutron reactions on the energy of γ quanta for Co^{59}. The errors indicated are statistical. Light circles - cross section prior to correction for multiplicity of the neutrons.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

L 40906-66 EWT(m)

ACC NR: AP6030184 SOURCE CODE: UR/0020/66/167/006/1263/1265

AUTHOR: Bazhanov, Ye. B.; Komar, A. P. (Academician An UkrSSR); Kulikov, A. V.; Ogurtsov, V. I.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR (Fiziko-tekhnicheskiy institut AN SSSR)

3/B

TITLE: Cross section of Ca sup 40 photoneutron reactions 19

SOURCE: AN SSSR. Doklady, v. 167, no. 6, 1966, 1263-1265

TOPIC TAGS: photoneutron, neutron reaction, radiation spectrum, neutron cross section

ABSTRACT: Experiments were performed on the synchrotron of the Physics-Engineering Institute imeni A. F. Ioffe, USSR Academy of Sciences, regarding the summary cross section of photoneutron reactions on the Ca^{40} nucleus from the threshold of γn reactions (15.62 Mev) to 50 Mev. The authors measured the yield of photoneutrons vs. maximal γ-radiation retardation spectrum energy $E_{\gamma max}$ with a recording interval of 1 Mev. The results are presented graphically. The curve of the photoneutron reaction cross sections in the Ca^{40} nucleus has, in addition to a gigantic resonance at slightly below 22 Mev, maximums in the energy level areas of 22.5-24.0 Mev and 26-28 Mev. There may be also a wide max at around 33 Mev. Both the 22.5-24.0 and 26-28 Mev peaks are above the (γpn) reaction threshold and may possibly correspond to this reaction. The 26-28 Mev max has not been noted earlier in studies of the γn reaction. The results of other experimental and theoretical works in the area are mentioned briefly. Orig. art. has: 1 figure and 1 table. [JPRS: 36,364]

SUB CODE: 20 / SUBM DATE: 15Dec65 / ORIG REF: 005 / OTH REF: 015

Card 1/1 MLP UDC: 539.272.3

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L 57520-65

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

L 34832-66 EWT(d)/FSS-2 JKT

ACC NR: AP6013172 (A) SOURCE CODE: UR/0256/66/000/004/0023/0026

AUTHOR: Bazhanov, Yu. P. (Marshal of artillery)

ORG: None

27
B

TITLE: Training of military personnel on a scientific basis

SOURCE: Vestnik protivovozdushnoy oborony, no. 4, 1966, 23-26

TOPIC TAGS: military training, military personnel, military operation, antimissile defense

ABSTRACT: The article deals with the combat, technical, and political training of Soviet military personnel in military educational institutions on the basis of modern scientific and technical acheivements. Future combat operations, and air and outer-space defense will be characterized by automation of all combat processes, an increase of unit and subunit firepower, introduction of semiconductor technology, quantum-mechanical equipment, use of computers, and large-scale motorization. As a result of scientific and technical progress, impressive changes will take place in technical equipment of the nation's Air Defense Forces, which are called upon to combat aggression from the air and outer space. Highly technical equipment of the air defense troops demands highly skilled engineers. Special technical training of military personnel in military schools and military academies must be based on

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ACC NR: AP6013172

scientific methods, the newest achievements of science and technology, and the results of scientific research carried out in military academies. [NT]

SUB CODE: 15/ SUBM DATE: none

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

TRUBNIKOV, B. A. and BAZHANOVA, A. E.

"Magnetic Emission of a Layer of Plasma." (Work carried out in 1957); pp. 121-147.

"The Physics of Plasmas; Problems of Controlled Thermonuclear Reactions." Vol. III. 1958, published by Inst. Atomic Energy, Acad. Sci. USSR.
resp. ed. M. A. Leontovich, editorial work V. I. Kogan.

Available in Library.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

L 16984-63 EWT(1)/EWG(k)/ES(w)-2/BDS AFFTC/ASD/ESD-3/AFWL/IJP(C)/SSD
Pz-4/Pi-4/Po-4/Pab-4 AT

S/020/63/149/005/006/018

78

AUTHOR: Bazhanova, A. Ye. and Shafranov, V. D.

TITLE: Radiation of a charge moving in a plasma close to cyclotron resonance

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 149, no. 5, 1963, 1049-1051

TEXT: The authors consider the question whether the radiation of a charge moving in a plasma can be utilized to measure the density of the plasma n_0. To answer this question, they undertook the numerical calculation of the radiation intensity of the electron and ion close to corresponding cyclotron frequencies. The calculation, performed on a computer, showed that the bulk of the radiation is accounted for by a comparatively narrow frequency range close to certain optimal frequency $\omega = \omega_{opt}$. The frequency ω_{opt} depends quite strongly on plasma density A^2. The results obtained show that the radiation of fast electrons and ions, especially passed through a plasma, can be a means of obtaining certain information about plasma. There are 2 tables.

SUBMITTED: November 15, 1962

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

L 11615-67 EWT(1) IJP(c)

ACC NR: AP6031261 SOURCE CODE: UR/0057/66/036/009/1575/1584

AUTHOR: Bazhanova, A.Ye.; Glagolev, V.M.; Shafranov, V.D.

ORG: None

54

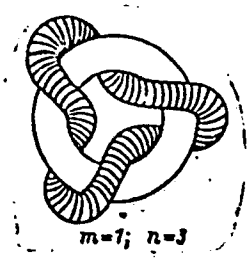
53

TITLE: Toroidal plasma traps with spatial magnetic axes

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 9, 1966, 1575-1584

TOPIC TAGS: plasma confinement, magnetic field, magnetic surface, stellarator field, mathematic physics

ABSTRACT: The authors discuss the confinement of plasma in magnetic fields of the type that can be produced by an endless solenoid wound through and about a circular torus as exemplified by the figure. These fields can be regarded as generalizations of the figure-eight type stellarator field proposed by L.Spitzer (Phys. Fluids, 1, 253, 1958), which the include as a special case. V.D.Shafranov (Yadernyy sintez, 4, 114, 1964) has previously shown that the displacement of the magnetic surfaces of the field of a solenoid in the presence of plasma is determined by the curvature and torsion of the axis of the solenoid. In the present paper formulas are derived for the curvature and torsion of solenoids of the considered type, and the distortion of their magnetic surfaces in the presence of plasma is discussed. Topo-



Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOVA, A. P.

BAZHANOVA, A. P. --"The Selection of Seeds from a Single Cotton Plant of Gossypium barbadense as a Method of Increasing Crop Yields." Ashkhabad, 1955. (Dissertation for the Degree of Candidate in Biological Sciences).

So: Knizhnaya letopis', No. 8, 1956, pp 97-103

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53698

Inst : Institute for Agriculture, AS Turkmen SSR

Author : Bazhanova, A.P.

Title : The Selection of Seeds Within the Cotton Bush (Gossypium barbadense L.) as a Method of Increasing the Yield

Orig Pub : Tr. In-ta zamledeliya, AN TurkmSSR, 1957, 1, 19, 34

Abstract : This article describes studies on the variability in economically valuable features, and in the yield of the Soviet fine-fiber varieties of cotton plants under the conditions of the southern regions of Turkmenia - in relation to the points of seed formation on the plants. The objects of study were varieties 5476-I and 2-I-3. It was determined that the seeds from the first and second points of the 2-10 sympodes are much better than

Card 1/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOVA, A.P.

Variation of fiber length as related to the position of bolls on the cotton plant of the Gossypium barbadense L.species. Izv. AN Turk. SSR. Ser. biol. nauk no.5:42-49 '61. (MIRA 14:12)

1. Institut botaniki AN Turkmenskoy SSR.
(COTTON)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOVA, A.P.

All-Union Conference on Cotton Breeding and Seed Production.
Izv. AN Turk. SSR. Ser. biol. nauk no.1:94-95 '64.
(MIRA 17:9)

1. Institut botaniki AN Turkmenskoy SSR.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOVA, A.Ye.; SHAFRANOV, V.D.

Radiation from a charge moving in a plasma close to the cyclotron resonance. Dokl. AN SSSR 149 no.5:1049-1051 Ap '63. (MIRA 16:5)

1. Predstavlenо akademikom M.A.Leontovichem.
(Plasma (Ionized gases)) (Cyclotron resonance)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

L 22411-66 EWT(1)/EPF(n)-2/EWG(m) IJP(c) AT

ACC NR: AP6007952 SOURCE CODE: UR/0089/66/020/002/0146/0148

AUTHORS: Bazhanova, A. Ye.; Strelkov, V. S.; Shafranov, V. D. 66

ORG: none B

21,44,55

TITLE: Effect of the finite electric conductivity of the jacket on the equilibrium of the plasma pinch in the 'Tokamak' installation

21,44,55

SOURCE: Atomnaya energiya, v. 20, no. 2, 1966, 146-148

TOPIC TAGS: electric conductivity, plasma generator, plasma pinch, plasma temperature, magnetic trap, plasma diffusion/ ~~Tokamak~~

ABSTRACT: The authors refine the previously derived formulas (Voprosy teorii plazmy [Problems in Plasma Theory], No. 2, 1963, page 92) for the radius and the temperature of the plasma pinch produced in the Tokamak system, by taking into account the finite electric conductivity of the jacket, which in the earlier calculations was assumed to be infinite. The calculations show that allowance for the finite conductivity does not change the form of the equation for the displacement of the plasma pinch inside the conducting jacket,

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

L 22411-66

ACC NR: AP6007952

but changes the value of the perpendicular component of the magnetic field, which must now be determined from the diffusion equation for the dipole component of the magnetic field on the walls of the jacket. The effect of the finite conductivity on the equilibrium of the plasma is evaluated and it is shown that in the case of plasmas of approximately 20 msec duration the correction necessitated by its inclusion is small and increases with increasing plasma confinement time. Orig. art. has: 3 figures and 19 formulas.

SUB CODE: 20/ SUBM DATE: 17Aug65/ ORIG REF: 004/

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

Bazhanova, L. A.

137-1957-12-25523

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 368 (USSR)

AUTHORS: Alimarin, I. P., Belyavskaya, T. A., Bazhanova, L. A.

TITLE: Separation of Titanium From Accompanying Elements by the Method of Ion-exchange Chromatography (Otdeleniye titana ot soputstvuyushchikh elementov metodom ionoobmennoy khromatografii)

PERIODICAL: Vest. Mosk. un-ta, Ser. matem., mekhan., astron., fiz., khimii, 1956, Nr 2, pp 167-170

ABSTRACT: A systematic study of exchange of Ti^{4+} and Fe^{3+} ions in solutions of HCl, H_2SO_4, and CNS^- was performed. The distribution coefficient φ was studied with regard to the ion-exchange resin and the solution. It may be computed from the formula $\varphi = M_1 v/m(M-M_1)$, where M_1 is the cation fraction in the resin, M is the initial quantity of cation, v is the volume of the solution, m is the mass of the synthetic basic resin (SBS). In all experiments v = 60 ml, m = 0.5 g. It is established that at 0.4 N and 0.1 N H_2SO_4 $\varphi Fe/\varphi Ti = 13.1$ and 17.5, respectively. Results obtained with thiocyanate are of little practical interest.

Card 1/2

Chair of Analytical Chemistry, Moscow State Univ.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

137-1957-12-25523

Separation of Titanium From Accompanying Elements (cont.)

The method of segregation was verified in a cylindrical tank 12 cm high and 0.8 cm in diameter. The completeness of the segregation was controlled by colorimetric and radiometric methods and involved the employment of Fe^{59}. The separation of Fe and Ti was examined for Fe:Ti ratios varying from 1:1000 to 10,000:1 (the amounts of Ti varying from 0.001 to 10 mg, and those of Fe, from 0.001 to 1 mg). 100-425 ml of 0.4 N HCl are employed to elute Ti^{4+}, and 100-500 ml of 4.0 N HCl to elute Fe^{3+}. The separation was complete.

Z. G.

1. Titanium-Separation 2. Ion exchange-Applications

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

ALIMARIN, I.P.; BELYAVSKAYA, T.A.; BAZHANOVA, L.A.

Separation of titanium from accompanying elements by ion exchange chromatography. Report No. 2. Separation of titanium and chromium [with summary in English]. Zhur.anal.khim. 12 no.3:377-380 My-Je '57. (MLRA 10:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Titanium) (Chromium) (Chromatographic analysis)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BUSEV, A.I.; BAZHANOVA, L.A.

Extraction of bismuth dithizonate. Zhur.neorg.khim. 6 no.9: 2210-2215 S '61. (MIRA 14:9)
(Bismuth) (Dithizone)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BUSEV, A.I.; BAZHANOVA, L.A.

Extraction of bismuth with derivatives of 1,5-diphenylthiocarbazone (dithizone). Zhur.neorg.khim. 6 no.12:2805-2808 D '61. (MIRA 14:12)

(Bismuth) (Dithizone)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BUSKV, A.I.; BAZHANOVA, L.A.

Color of inner complex bismuth salts with dithizone and its derivatives. Zhur. anal. khim. 16 no. 4:399-403 Jl-Ag '61. (MIRA 14:7)

1. M.V. Lomonosov Moscow State University.
(Bismuth compounds) (Dithizone)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BUSEV, A.I.; BAZHANOVA, L.A.

Reversion-absorptiometry for determining bismuth. Vest.Mosk.Un.Ser.2: khim. 16 no.6:47-50 N-D '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet. Kafedra analiticheskoy khimii.

(Bismuth—Analysis)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

TIPTSOVA, V.G.; ANDREYCHUK, A.M.; BAZHANOVA, L.A.

Spectrophotometric determination of a mercury impurity in selenium by means of 1,5-di-(β-naphthyl)-thiocarbazone. Zhur. anal. khim. 20 no. 11:1200-1203 '65 (MIRA 19:1)

1. Submitted June 12, 1964.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

BAZHANOVA, L.A.; SHAFRAN, I.G.

Determination of heavy metal impurities in reagents by the reversed dithizonate method. Zav. lab. 31 no.11:1314-1315 '65. (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

L 23363-66 EWT(m)/ETC(f)/EWG(m)/EWP(t) IJP(c) RDW/JD/JG

ACC NR: AP6008696 SOURCE CODE: UR/0075/65/020/011/1200/1203

AUTHOR: Tiptsova, V. G.; Andreychuk, A. M.; Bazhanova, L. A. 37

ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov) B

TITLE: Spectrophotometric determination of mercury in selenium by means of 1,5-bis(β-naphthyl)thiocarbazone

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 11, 1965, 1200-1203

TOPIC TAGS: mercury, selenium, trace analysis, spectrophotometric analysis

ABSTRACT: A simple and highly sensitive method of determining mercury traces in selenium was developed in connection with the effect exerted on the semiconducting properties of selenium by mercury in amounts as low as 10^{-7}-10^{-9}%. The complexing agent--1,5-bis(β-naphthyl)thiocarbazone--forms a red complex with Hg^{2+} ions which is extractable with chloroform. The molar extinction coefficient at 620 mμ is (9.03 ± 0.27) 10^4. Mercury can be separated from practically all elements by introducing a masking agent (complexon III); it can then be determined with a sensitivity of 0.2 μg/5 ml, which corresponds to $4 \cdot 10^{-6}$% for a 5 g sample of selenium. The sensitivity of the determination can be raised to $1 \cdot 10^{-6}$% by using a 1 ml volume of the reagent solution in the final extraction. Orig. art. has: 2 figures, 1 table.

SUB CODE: 07,11/ SUBM DATE: 12Jun64/ ORIG REF: 008/ OTH REF: 004

Card 1/1 UDC: 543.43 : 543.70

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0

ACC NR: AP6035678 (A,N) SOURCE CODE: UR/0413/66/000/019/0026/0026

INVENTOR: Naumov, Yu. A.; Bazhanova, L. G.; Knyazeva, A. P.

ORG: none

TITLE: Preparation of α-naphthyl N-methylcarbamate. Class 12, No. 186438 [announced by Branch of the All-Union Scientific Research Institute of Chemicals for Plant Protection (Filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh sredstv zashchity rasteniy)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 26

TOPIC TAGS: α naphthyl methylcarbamate preparation, naphthol, methylcarbamoyl chloride, sodium acetate, chloride, carbon compound

ABSTRACT: To increase the yield of the final product in the preparation of α-naphthyl N-methylcarbamate from α-naphthol and methylcarbamoyl chloride in an inert solvent at elevated temperatures, the process is conducted in the presence of a basic or acid catalyst, e.g., $SnCl_4$, $MgSO_4$ or CH_3COONa. [W.A. 50]

SUB CODE: 07/ SUBM DATE: 26Jan66

Card 1/1 UDC: 547.495.1.07

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110012-0"