

ABUSHIK, A.F.; IVANOVSKIY, A.B.

Boundary between the Lower and Upper Silurian in the northern part of the Siberian Platform. Dokl. AN SSSR 153 no.1:158-161 N '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut i Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom A.A. Trofimukom.

ABUSHTK, A.F.

Taxonomy of the order Leperditida. Vop. mikropaleont. no.8:214-  
222 '64. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.

ABUSHIK, A.P.

Middle Devonian Leperditidae of Central Asia, the Urals, and  
Novaya Zemlya. Mat. VSEGEI no.67:133-152 '61. (MIRA 15:12)  
(Ostracoda, Fossil)

ABUSHKEVICH, N.V.; MAZURIN, N.D.

Etiology of the outbreak of serous meningitis in Birobidzhan in the summer of 1959. Vop. virus. 7 no.2:242-243 Mr-Apr '62. (MIRA 15:5)  
(BIROBIDZHAN--MENINGITIS) (CHILDREN--DISEASES)

KOSTROMIN, S., polkovnik; ABUSHKEVICH, N., polkovnik; SHULEPOV, A., polkovnik; RYABOV, N., podpolkovnik

"Individual evaluation"; discussion of the article published in  
No. 4. Voen.vest. 43 no.7:71-74 JI '63. (MIRA 16:11)

ABUSHKEVICH, P.L., aspirant

Increase of the operational reliability of NB-406 traction  
motors. Trudy Khab. IIT no.168109-118 '64      (MIRA 1882)

ABUSHKEVICH, P.V.; VAYSBRUD, V.I.; KULIKOV, I.A.; LEV, M.I.;  
MAZURIN, N.D.; ROZINA-ITSKINA, TS.S.; TIKHONOV, G.I.

Epidemic and etiological nature of the virus influenza epidemic  
in Khabarovsk in January-March 1959. Vop. virus. 5 no. 6:750  
N-D '60. (MIRA 14:4)

(KHABAROVSK--INFLUENZA)

POSTOL, G.S.; SHAPIRO, S.Ye.; FRISHMAN, R.D.; RYLOVA, Ye.S.; GRAKHOVA, L.I.;  
ABUSHKEVICH, P.V.; MAZURIN, N.D.

Study of serous-viral meningitis in Khabarovsk in 1959. Vop. okh.  
mat. i det. 6 no.11:9-14 N '61. (MIRA 14:12)

1. Iz kliniki pediatrii (zav. - dotsent G.S.Postol), kliniki  
infektsionnykh bolezney (zav. - dotsent S.Ye.Shapiro) Khabarovskogo  
meditsinskogo instituta (dir. - prof. S.K.Nechepayev) i sanitarno-  
epidemiologicheskogo otryada Dal'nevostochnogo okruga (nachal'nik  
M.I.Lev). (MENINGITIS) (Khabarovsk--VIRUS DISEASES)



ABUSHKEVICH, P.V.; BELYAYEVA, N.S.; KULIKOV, I.A.; ILV, M.I.; MAZURIN, N.D.

Natural tularemia foci in Khabarovsk Territory. Zhur. mikrobiol.  
epid. i immun. 40 no.5:48-51 My '63. (MIRA 17:6)

LOBL, Karel; LICHA, Leopold; ABUSINOV, Alexandr

Founding properties of acid resistant alloys based on nickel.  
Slevarenství 12 no. 6:228-230 Je '64.

1. State Research Institute of Materials and Technology,  
Prague.

ABUSINOV, A., inz.

Corrosion resistant nickel alloys for chemical equipment.  
Strojirenstvi 14 no. 4:287-291 A, '64

L. State Research Institute of Material and Technology, Prague.

LOBL, Karel, inz. GSc.; ABUSINOV, A., inz.

Welding of acidproof alloys based on nickel. Zvaranie 13  
no.5/6:146-151 My-Je '64.

1. State Research Institute of Materials and Technology,  
Prague.

L 34910-66 EWP(t)/ETI IJP(c) JD/WB

ACC NR: AP6026592

SOURCE CODE: CZ/0034/66/000/002/0112/0119

AUTHOR: Lobl, Karel--Lebel, K.; Rysava, Marie--Rishava, M.; Bizek, Vaclav;  
Abusinov, Alexandr--Abushinov, A.

ORG: State Research Institute for Materials of Construction, Prague (Statni vzkumny  
ustav materialu)

TITLE: Influence of heat treatment upon the structural properties of cast steel  
Cr18Ni9Ti

SOURCE: Hutnicke listy, no. 2, 1966, 112-119

TOPIC TAGS: cast steel, solid physical property, annealing, corrosion protection,  
material fracture, metal heat treatment/Cr18Ni9Ti cast steel

ABSTRACT: The influence of the wall thickness of mechanical properties, on the  
annealing temperature, and the time needed for annealing in the elimination of  
intercrystalline corrosion is investigated. Isothermal annealing at 750°C was  
studied; long term heating to 600 - 700°C in materials with varying ratios of Ti : C  
was investigated with respect to notch strength and the appearance of fracture  
surfaces. When casting is made at 700 - 800°C the notch strength is decreased  
significantly because of precipitation of carbides and of sigma phase. Orig. art.  
has: 25 figures and 2 tables. [Based on authors' Eng. abstract] [JPRS: 34,779]

SUB CODE: 11, 20, 13 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 001

Card 1/1

UDC: 669-15: 669.15.26-194

ROMANOVSKIY, V.I.; SARYMSAKOV, T.A., akademik, otv. red.; ABUTALIPOV, Ch.A.,  
red.; GOR'KOVAYA, Z.P., tekhn. red.

[Mathematical statistics] Matematicheskaya statistika. Tashkent,  
Izd-vo Akad.nauk Uzbekskoi SSR. Book 1. [Fundamentals of  
probability theory and mathematical statistics] Osnovy teorii ve-  
roiatnostei i matematicheskoi statistiki. 1961. 436 p.  
(MIRA 14:12)

1. Akademiya nauk Uzbekskoy SSR (for Sarymsakov).  
(Mathematical statistics) (Probabilities)

LAPUK, B.B.; ABUTALIYEV, E.B.

Method for the approximate analytic solution of a problem of nonstationary gas flow to a line of wells in a reservoir of varying thickness. *Izv.vys.ucheb.zav.; neft' i gaz* 6 no. 12: 91-96 '63. (MIRA 17:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika I.M.Gubkina.

LAPUK, B.B.; ABUTALIT'EV, E.B.; VIALIMIROV, I.A.

Unsteady gas flow in a stratum of variable depth. Izv. AN Uz.  
SSR. Ser. tekhn. nauk 8 no.3:25-35 '64.

(MIRA 17:11)

1. Institut mekhaniki s vychislitel'nym tsentrom AN UzSSR.



LAFUK, D.B.; ABUTALIYEV, E.B.

Calculating the gas flow to ring banks of wells in a layer of varying thickness. Vop. vych. mat. i tekhn. no.2:67-84 '64.

Approximate analytic solution of the problem involving unsteady plane-radial and plane-parallel diffusion of gas. Ibid. 85-94 (MIRA 18:12)

ABU'ALIYEV, F.B.

Numerical solution of the problem of outflow from a symmetrical vessel with flat walls. Izv.AN Uz.SSR,Ser.tekh.nauk no.3:68-77 '59. (MIRA 12:7)

1. Institut matematiki im. V.I.Romanovskogo AN UzSSR.  
(Gas flow)

ABUTALIYEV, F. B., Cand. Phys-Math. Sci. (diss) "Some Problems of Peri-Sound Gas Dynamics". Tashkent, 1961. 9 pp (Acad of Sci, Uzbek SSR, Instit. of Math. im V. I. Romanovskiy), 175 copies (KL Supp 12-61, 249).

24755

S/166/61/000/001/002/005  
B112/B203

24.4500

AUTHOR: Abutaliyev, F. B.

TITLE: Uniqueness theorem for certain problems of gasdynamics

PERIODICAL: Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 1, 1961, 12-21

TEXT: The present paper deals with two boundary problems of Chaplygin's differential equation:

$$K(\sigma) \frac{\partial^2 \psi}{\partial \vartheta^2} + \frac{\partial^2 \psi}{\partial \sigma^2} = 0$$

( $\sigma$  the space coordinate,  $\vartheta$  the time coordinate,  $\psi$  the pressure,  $K$  the Chaplygin function), and proves the uniqueness of the solution independently of its existence. M. A. Lavrent'yev and A. V. Bitsadze formulated boundary problems of the considered type mathematically while F. I. Frankl' gave them physical interpretations: (1) Plane parallel flow with maximum (hydrodynamic) flux from an asymmetric nozzle:  $\psi = \psi_A$  or  $= \psi_B$  along two parallel straight half-lines ( $\vartheta = \vartheta_A$  or  $\vartheta_B$ ,  $\sigma > 0$ ) and subsequent charac-

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S/166/61/000/001/002/005  
B112/B203

Uniqueness theorem for certain...

teristic curve sections extending into the half-plane  $\sigma < 0$ . The uniqueness proof for regular solutions  $\psi$  is essentially given by using the principle of partial integration with simultaneous application of three suitably chosen auxiliary functions  $a, b, c$  of  $\vartheta$  and  $\sigma$ . (2) Symmetric wedge in a gas jet with backward shock wave:  $\psi = 0$  along the straight half-line  $\vartheta = \vartheta_c$ ,  $\sigma > 0$  and a subsequent characteristic curve section extending into the half-plane  $\sigma < 0$ , moreover on the  $\sigma$ -axis proceeding from a point D with  $\sigma > 0$ . Furthermore,  $\psi$  must satisfy a certain additional differential equation along a characteristic curve section having its origin in point D and ending at a point A of the positive  $\vartheta$ -axis, and must take the value  $\psi_A$  in point A. The uniqueness proof for this case had already been given by Frankl' under restricting conditions as to the angle of aperture of the wedge. Here, it is given without such restrictions by a method of Protter. There are 3 figures and 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: Protter M. H. J. Rational Mech. and Analysis, 2, No. 1, 1953, p. 107-114.

Card 2/3

Uniqueness theorem for certain...

24755  
S/166/61/000/001/002/005  
B112/B203

ASSOCIATION: Institut matematiki im. V. I. Romanovskogo AN UzSSR  
(Institute of Mathematics imeni V. I. Romanovskiy  
AS Uzbekskaya SSR)

SUBMITTED: May 26, 1960

Card 3/3

24.4300

S/167/62/000/006/002/003  
D234/D308

AUTHORS: Tempel', F.G., Abutaliyev, F.B., Bukhantseva, R.S.  
and Mosolov, B.

TITLE: Some self-modeling problems of gas motion in a  
pipeline

PERIODICAL: Akademiya nauk UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 6, 1962, 35-40

TEXT: The authors give self-modeling solutions of the equations of motion for a semi-infinite pipeline for the case of constant pressure and that of constant flow rate at the beginning of the line. The self-modeling transformation is

$$\eta = \sqrt[3]{\frac{2a}{\beta^2}} xt^{-2/3} \quad (5)$$

The solutions were obtained with the aid of a computer. Graphs and  
Card 1/2

Some self-modeling problems ...

S/167/62/000/006/002/003  
D234/D308

numerical results are given for several values of  $P_N/P_0$ . There are 3 figures.

ASSOCIATION: Institut matematiki AN UzSSR (Institute of Mathematics AS UzSSR)

SUBMITTED: June 21, 1961

✓

Card 2/2



ABUTALIYEV, F.B.; UMAROV, U.; ARTYKOVA, N.

Calculating the prognosis of the level changes of underground  
waters using electronic computers. Uzb.geol.zhur. 6 no.4:  
83-87 '62. (MIRA 15:9)

1. Institut geologii i inzhenernoy geologii AN UzSSR.  
(Water, Underground)  
(Electronic digital computers)

ABUTALIYEV, F.B.; KLENOV, V.B.

Work of rapid-filter layers. Izv.AN Uz.SSR.Ser.tekhn.nauk 7  
no.2:34-40 '63. (MIRA 16:4)

1. Institut matematiki imeni V.I.Romanovskogo AN UzSSR.  
(Filters and filtration)

~~Author: Amal'yan, V. D.; Vilenchik, V. D.~~

~~TITLE: Calculation of the Falkowich class nozzle...~~

ABSTRACT: The requirements of aviation, rockets, and gas turbines led to the development of the theory of nozzles. This necessitates the use of electronic...

~~... and coordinates involved in constructing the nozzle wall are calculated~~  
by a Newton iteration formula. The flow of standard nozzle...

2/2

ABUTALIYEV, F.B.; KHOBDABERGANOV, R.Zh.; KOLOSOV, B.V.

... studies the critical parameters of waste

UMAROV, G.Ya.; USYUKIN, V.I.; ABUTALIYEV, F.B.

Deformation of a conical film type reflector. Geliotekhnika  
no.5:19-25 '65. (MIRA 19:1)

1. Fiziko-tekhnicheskii institut AN UzSSR. Submitted June 20, 1965.

ABUTALIYEV, F.B.; VILENCHIK, V.B.

Calculating Fal'kovich-type nozzles on electronic computers.  
Izv. AN Uz. SSR. Ser. tekhn. nauk 9 no. 1:35-42 '65  
(MIRA 19:1)

1. Institut mekhaniki i Vychislitel'nyy tsentr AN Uzbekskoy  
SSR. Submitted August 6, 1964.

L 41047-66

ACC NR: AP6018085

(A)

SOURCE CODE: UR/0377/65/000/005/0019/0025

AUTHOR: Umarov, G. Ya. (Candidate of physico-mathematical sciences); Usyukin, V. I.;  
Abutaliyev, F. B. 51  
B

ORG: Physico-Technical Institute, AN UzSSR (Fiziko-tekhnicheskiy institut AN UzSSR)

TITLE: Strain in the conical film reflector

SOURCE: Geliotekhnika, no. 5, 1965, 19-25

TOPIC TAGS: material deformation, solar energy conversion, shell structure, elastic deformation

ABSTRACT: The authors consider the deformation of a conical film reflector as a momentless shell of revolution which is under normal pressure and corresponding axial force. They obtain a linearized resolvent equation of the shell which yields its deformed shape for different boundary conditions. The characteristics of the reflector material are assumed to be elastic. The theoretical results are found to be in close agreement with experimental data on gas-filled conical films. Orig. art. has: 4 figures, 33 formulas.

SUB CODE: <sup>10, 13, 11</sup>  
~~12, 13~~

SUBM DATE: 20Jun65

Card 1/1 *90*

ACC NR: AR6024038

SOURCE CODE: UR/0044/66/000/004/B092/B092

AUTHOR: Abutaliyev, F. B.; Vilenchik, V. B.TITLE: Approximate solution of Chaplygin equation with the method of least squares

SOURCE: Ref. zh. Matematika, Abs. 4B457

REF SOURCE: Sb. Vopr. vychisl. matem. i tekhn. Vyp. 6. Tashkent, Nauka, 1965, 78-85

TOPIC TAGS: differential equation, fluid kinetic equation, difference equation, approximate solution, least square method, nozzle flow, pipe flow

ABSTRACT: The problem of flow from a symmetrical nozzle with maximum flow is considered. The problem at near critical velocities reduces to a Tricomi problem for the Chaplygin equation

$$K(\sigma)\psi_{\theta\theta} + \psi_{\sigma\sigma} = 0$$

in the region  $\Omega = \Omega_+ + \Omega_-$  with boundary conditions

$$\psi = \frac{Q}{2} \text{ on the half-line } H = H_0,$$

$$\psi = \frac{Q}{2} \text{ on the characteristic,}$$

$$\psi = 0 \text{ on the half-line } H = 0 \text{ (Q is}$$

Card 1/2

UDC: 518:517.944/.947



ACC NR: AR6024038

The following theorem is proven: If a solution for the Tricoma problem exists for which the function  $\tau(\theta) = \psi(\theta, 0)$  is continuous, and the derivative  $v(\theta) = \frac{\partial \psi}{\partial \sigma} \Big|_{\sigma=0}$  can be integrated, then the approximate solution in the considered region  $\Omega$  satisfies the condition

$$\left| \psi - \sum_{l=1}^n a_l \frac{z_{pl}(\sigma)}{z_{pl}(0)} \sin l\pi\theta \right| < \epsilon,$$

where  $Z_{pl}(\sigma)$ , Chaplygin function;  $\psi$  - exact solution of equation (1);  $\epsilon$ , a small quantity that depends on  $n$ . Coefficients  $a_l$  are found with the method of least squares, i.e., are calculated from the condition

$$I = \int_0^{1/2} \left[ \sum_{l=1}^n a_l \frac{z_{pl}(\sigma)}{z_{pl}(0)} \sin l\pi\theta - \frac{Q}{2}\theta \right]^2 d\theta = \min,$$

equivalent to a system of linear algebraic equations  $Aa = b$ . The digital computer program for the described algorithm can have a pre-assigned accuracy, and it consists of the following blocks: calculation of the Chaplygin function; calculation of elements of matrix  $A$  and vector  $b$ ; solution of the  $n^{\text{th}}$  order system of linear algebraic equations. Automatic selection of  $n_k$  that fulfills the inequality  $|\psi(n_k) - \psi(n_{k-1})| < \epsilon$ , where  $\epsilon$  is the required accuracy, is considered. [Translation of abstract] Bibliography of 7 titles. I. Shelikhov

Card 2/2

SUB CODE: 12

~~ABSTRACT: The authors have calculated the differential cross section for the~~  
~~scattering of (polarized) bremsstrahlung by a nonpolarized electron beam in the~~

KERIMOV, B. K.; ABUTALYBOV, I. M.

"Bremsstrahlung Radiation of Polarized Electrons on Nuclei Possessing a  
Magnetic Moment."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22  
Feb 64.

MGU (Moscow State Univ)

KERIMOV, B.K.; ER. KHABIRI, Kh.A.; ABUTALYBOV, I.M.; ALISHEV, S.I.

Nuclear magnetic effects in pair formation by gamma quanta. Izv. AN  
SSSR. Ser. fiz. 29 no.7:1166-1171 J1 '65. (MIRA 18:7)

ABUTALYBOV, M.; ALIYEV, D.; GASANOV, R.; TAIRBEKOV, M.

Effect of microelements on photosynthesis in cotton leaves. Uch.  
zap. AGU. Biol. ser. no.5:35-42 '59. (MIRA 15:5)  
(TRACE ELEMENTS) (PHOTOSYNTHESIS)  
(COTTON--FERTILIZERS AND MANURES)

ABUTALYBOV, M.G.; BUNYATOV, I.

Effect of trace elements on the activity of catalase in plants.  
Uch.zap.AGU no.4:61-67 '55. (MIRA 9:12)  
(Trace elements) (Catalases)  
(Plants, Effect of minerals on)

ABUTALYBOV, M.G.

Effect of trace elements on the development and yield of cotton  
and alfalfa seeds. Trudy Inst.pochv.i agrokhim.AN Azerb.SSR 7:  
53-70 '55. (MLRA 9:12)  
(Azerbaijan--Trace elements) (Cotton) (Alfalfa)

[G]

ABUTALYBOV, M.; MARDANOV, A.

Improving the composition of starter pots for tomatoes by adding trace elements. Dokl. AN Azerb. SSR 11 no.9:623-626 '55, (MLRA 9:1)

1. Predstavleno deystvitel'nym chlenom AN Azerbaydzhanskoy SSR.  
(Tomatoes) (Trace elements)



*A. B. T. ...*

✓ Repeated work on calcium in plant organism M. G.  
 Abukalshin, *Izv. Akad. Nauk S.S.S.R.* 105: 9032-5 (1965) MD  
 Cotton plants initially grown in normal nutrient medium were put at 2 months of age into a medium which was free of Ca. Periodic detrus of various forms of Ca were then made in various plant parts by successive extr. with 2N  $K_2CO_3$ , 2N  $KOH$  and 2N  $HCl$  after the initial an extr., thus giving H<sub>2</sub>O-sol., adsorbed, and acid-sol. forms. In normal plants the acid-sol. forms increase in concn. in lower plant parts while the active, water-sol. and adsorbed forms increase in the upper parts. In exptl. plants the latter

fraction declined severely while the acid-sol. forms tended to increase in concn. Such migration was performed by the water-sol. and adsorbed forms which migrate to the lower parts of the plant and are deposited there in acid-sol. inactive forms. This was confirmed by expt. with radioactive Ca, which was carried to all plant parts after deposition on the petals of a rose. G. M. Kosolapoff

*Sci-Res. agric. Inst., AS Azerbaijan SSR*

USSR / Soil Science. Mineral Fertilizers. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48665

Author : Abutalybov, M. G.

Inst : AS Latvian SSR

Title : The Significance of Microelements in Plant Life  
and the Rise in Productivity of Agricultural  
Plants in the Azerbaijan Environment

Orig Pub : V sb.: Mikroelementy v s.-kh. i meditsine.  
Riga, AN LatvSSR, 1956, 255-269

Abstract : Many years of investigation by the Laboratory  
of Plant Physiology of the Soil Science Insti-  
tute of the Academy of Sciences of the Azerbai-  
jan Soviet Socialist Republic, and the Chair of  
Plant Physiology of Azerbaijan University have  
shown that Cu, Mn, Zn and B, applied to the soil  
before sowing, have a substantial influence on

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USSR / Soil Science. Mineral Fertilizers.

J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48665

physiological processes in plants. In leaves of young plants, under the influence of B and Mn, water losses through transpiration increased, and under the influence of Cu and Zn, water losses through transpiration decreased somewhat. In wilted leaves water losses are significantly more decreased under the influence of Mn and Cu than with B and Zn. In connection with this, the water-holding capacity and the amount of bound water increased in leaves. In leaves, under the influence of Mn and Cu, the concentration of cellular fluid is increased, mainly at the expense of sucrose. B and Zn did not induce a similar phenomenon. Noted also was a stronger activity of Cu and Mn than of Zn and B in raising winter resistance of wheat,

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USSR / Soil Science. Mineral Fertilizers.

J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48665

immunizing it against wilt and diseases. Mn and Cu primarily increased the peroxidase and polyphenoloxidase activities, but with B and Zn the catalase activity is increased. The formation of amino acids was particularly intensified under the influence of B, weaker in the case of Mn, and very weak in the case of Cu and Zn. The intensity of protein formation increased only with B. Perennial vegetative and field experiments in the study of the effectiveness of microfertilizer activity (Cu, Mn, B) showed a significant harvest increase (increase of 1.3-7.0 centners/hectare) in cotton plant in all regions of Armenia, in wheat (increase of 3-4 centners/hectare), in vegetable plants (increase to 129 centners/hectare), in

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"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100310010-5

Distribution of calcium in plants. M. G. Ibrat'yev  
(Agr. Inst., Acad. Sci. Azerbaijan S.S.R. Baku, Azerb. S.S.R.)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100310010-5"

ABUTALYBOV, M.G.; SAMEDOVA, A.

Effect of boron and manganese on photosynthesis. Uch.zap. AGU no.6:  
71-79 '56. (MLRA 10:5)

(Photosynthesis) (Plants, Effect of boron on)  
(Plants, Effect of Manganese on)

ABUTALYBOV, M.G.; ALIYEV, D.A.; RZAYEV, N.D.

Effect of trace elements on the carbohydrate and protein metabolism  
of plants. Uch.zap.AGU no.8:41-51 '56. (MIRA 10:4)  
(Plants, Effect of minerals on) (Carbohydrate metabolism)  
(Protein metabolism)



PLANT PHYSIOLOGY

Plant Physiology - Biochemistry and Metabolism.

1-3

Author : Verdine - Biol., No 1, 1953, 15-17

Author : Metolgher N., Mariani E., Mariani G.

Year :

Title : The Significance of Manganese in Oxidizing and Reducing Processes in the Plant Organism.

Orig. Lab : Third semester Intern. Univ., Univ. of Turin, 1953, No 2, 15-17

Abstract : The effect of cotton with Mn<sup>2+</sup> in the form of MnCl<sub>2</sub> (combination of cotton with Mn<sup>2+</sup> at a rate of 30 mg per 100 g of seeds) on the growth (measured by the weight) and the photosynthetic activity (measured by chlorophyll) led to an increase of photosynthetic activity in the leaves. The same results were obtained in experiments on cotton. It was concluded that Mn<sup>2+</sup> had a significant influence on the synthesis of iron-bearing compounds with photosynthetic leaves. It was found that the

Page 1/2

AZERBAIJAN/General Biology - Cytology

B-2

Abs Jour : Referat Zhur - Biol. No 16, 25 Aug 1957, 68035

Author : Abutalibov, M., Alieva, E.

Title : Change In Calcium Content of the Protoplasm in Relation to Age of the Cells.

Orig Pub : Elmi Eserler. Azerb. Univ. Uch. zap. Azerb. un-t, 1956, No 10, 43-50

Abstract : By plasmolysis in 0.5 M sucrose and subsequent deplasmolysis Ca was displaced from the protoplasm of the leaf cells of elodium and bulbs of onion into the vacuole, where, afterwards the number of crystals of calcium oxalate formed in the cellular juices was estimated. At times Ca was displaced from the cell protoplasm by treating the same leaves for 10 minutes with 0.1 M sodium citrate. It was established that in young vegetative cells the entire store of calcium is contained in the protoplasm whence, as the cell ages, it travels into the cellular juice,

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AZERBAIJAN/General Biology - Cytology

B-2

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68035

where it forms insoluble crystals of calcium oxalate.  
These data are confirmed by determination of accumulation  
of labeled  $\text{Ca}^{45}$  by the cells of different parts of  
vallisneria leaves.

Card 2/2

- 3 -

ABUTALYBOV M.G.

USSR/Physiology of Plants - Respiration and Metabolism.

I-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10389

Author : Abutalybov, M.G., Bunyatov, I.M., Mardanov, A.I.

Inst : Azerbaidzhan University

Title : The Significance of Zinc in Oxidation-Reduction Processes  
in the Growing Organism.

Orig Pub : Uch. zap. Azerb. un-t, 1956, No 12, 77-83

Abstract : Zinc exerts a positive effect on polyphenoloxydase activity (in cotton and potato leaves) and catalase activity (in potato leaves and tubers); the effect is greater when zinc is applied before sowing (20 g. ZnSO<sub>4</sub> for 85 kg. of seed) than when the plants are sprayed outside the roots (with a 0.05% solution). Under the influence of Zn the iodine-reducing capacity of the cotton leaves was increased. The content of organic acids and sugars decreased

Card 1/2

USSR / Plant Physiology. Mineral Nutrition.

I-2

Abstr Jour : Ref Zhur .. Biol., No 22, 1958, No 99939

Author : Abutalybov, M. G., and Dzhangirova, Sh.

Inst : Azorbaydzhan University

Title : The Translocation of Calcium in Plants.

Orig Pub : Zorb. Univ., Uch. Zap. Zorb. Univ., No 1, 107-123, 1957

Abstract : The migration of  $Ca^{45}$  was investigated in the almond, quince, siren and cotton, 5 days after the placement of cotton wool soaked in  $Ca^{45}Cl$  on the bared cortex of these plants. Ringing served to establish that Ca migrated preferentially through the cortex and to a smaller extent through the xylem, and that it was able to migrate from the cortex to the xylem. The migration proceeded basically in an upward direction as a consequence of the acropetal gradient of the Ca concentration. During the period of the unfolding

Card 1/2

Country : USSR  
Category : CULTIVATED PLANTS, POTATOES, Vegetables, Cucurbits.

Abs. Jour. : EFF ZHUK-BIOL, 21, No. 1, NO 2005

Author : Abutalyboy, M. G. ; Mardanov, B. T.  
Instit. : Azerbaydzhan Univ.  
Title : The Effect of Micronutrients in Vegetative Pots  
on the Development of the Tomato Plant

Orig. Pub. : Uch. zap. Azerb. un-t, 1957, No. 8, 65-73

Abstract : Mn, Cu, Zn in the form of sulfates and B in the form of borax were added to the composition of nutrient pots at the experimental base of Kusan-chayvskaya Zonal Experimental Station of Vegetable Raising (Azerbaydzhan) in 1954-1955. Krasnodarets and Chudo Rynka tomato variety sprouts were grown. The micronutrients facilitated better growth in the seedlings and the accumulation of plant dry matter. B and Mn quickened flowering, Cu slowed it up somewhat. The average weight of the fruit

Card: 1/2

Country :  
Category : CULTIVATED PLANTS, POTATOES,  
Abstr. Jour. : REF ZHUR-BIOL, 21, 1958, NO-95005  
Author :  
Institut. :  
Title :

Orig. Pub. :

Abstract : increased, the sugar and vitamin C content was raised, while that of organic acids was lowered. Mn and B proved most effective.--Ye.A. Okorokova

Card: 2/2

64

ALIYEV, G.A., akademik, otv.red.; ABUTALYBOV, M.G., prof., red.; BERZIN, Ya.M., akademik, red.; GADZHIYEV, F.M., kand.vet.nauk, red.; GYUL'AKHMEDOV, A.N., kand.sel'skokhoz.nauk, red.; IVANOVA, N.I., kand.sel'skokhoz.nauk, red.; KARAYEV, A.I., akademik, red.; GUSEYNOV, D.M., red.; GUSEYNOV, B.Z., prof., red.; PEYVE, Ya.V., red.

[Abstracts of reports of the Third All-Union Conference on microelements, April 1958] Tezisy dokladov Vsesoyuznogo soveshchaniya po mikroelementam, April' 1958. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1958. 398 p. (MIRA 12:3)

1. Vsesoyuznoye soveshchaniye po mikroelementam. 3d, 1958.
2. Akademiya nauk Azerb.SSR (for Aliyev, Karayev).
3. Akademiya nauk Latviyskoy SSR (for Berzin).
4. Chlen-korrespondent Akademii nauk Azerb.SSR (for D.M.Guseynov).
5. Chlen-korrespondent Akademii nauk SSSR (for Peyve).
6. Institut pochvovedeniya i agrokhimii AN Azerb.SSR (for D.M.Guseynov, Aliyev, Gyl'akhmedov).
7. Institut biologii AN Latv.SSR (for Peyve).
8. Stalinskiy meditsinskiy institut (for Ivanova).
9. Institut botaniki AN Azerb.SSR (for B.Z.Guseynov).
10. Azerbaydzhanskiy institut zemledeliya (for Abutalybov).

(Trace elements)



PEYVE, Ya.V., glav. red.; ALIYEV, G.A., akademik, red.; ABUTALYBOV, M.G.,  
prof., red.; BERZIN, YA.M. [Berzins, J.], akademik, red.; VINOGRA-  
DOV, A.P., akademik, red.; VLASYUK, P.A., akademik, red.; VOYNAR,  
A.O., prof., red.; DROBKOV, A.A., prof., red.; KATALYMOV, M.V.,  
prof., red.; KOVAL'SKIY, V.V., red.; KOVDA, V.A., red.; KEDROV-  
ZIKHMAN, O.K., akademik, red.; LEONOV, V.A., akademik, red.; PETER-  
BURGSKIY, A.V., prof., red.; SINYAGIN, I.I., red.; CHERNOV, V.A.,  
prof., red.; CHANISHVILI, Sh.F., red.; SHKOL'NIK, M.Ya., prof., red.;  
SHCHERBAKOV, A.P., kand. sel'khoz. nauk, red.; VENGROVICH, A., red.;  
DYMARSKAYA, O., red.; KLYAVINYA, A [Klavina, A.], tekhn. red.

[Use of trace elements in agriculture and medicine; transactions]  
Primenenie mikroelementov v sel'skom khoziaistve i meditsine; trudy.  
Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1959. 706 p. (MIRA 14:12)

1. Vsesoyuznoye soveshchaniye po mikroelementam. 3d, Baku, 1958.
  2. Chlen-korrespondent Akademii nauk SSSR (for Peyve, Kovda). 3. AN Azerbaydzhanskoy SSR (for Aliyev). 4. AN Latviyskoy SSR (for Berzin).
  5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Vlasyuk, Kedrov-Zikhman). 6. AN Belorusskoy SSR (for Leonov).
  7. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Sinyagin, Koval'skiy). 8. Chlen-korrespondent AN Gruzinskoy SSR (for Chanishvili).
- (Trace elements) (Biochemistry) (Agriculture)

ABUTALYBOV, M.G.

History of the development of field of plant physiology in  
Azerbaijan during the Soviet period. Uch.zap. AGU Biol.ser.  
no.1:29-38 '59. (MIRA 13:7)

(AZERBAIJAN--PLANT PHYSIOLOGY)

ABUTALYBOV, M.G.

Effect of boron and manganese on variation in sugar production in  
the cotton plant and the translocation of sugars from the leaves.  
Uch.zap.AGU.Biol.ser. no.2:37-47 '59. (MIRA 13:6)  
(MANGANESE--PHYSIOLOGICAL EFFECT)  
(BORON--PHYSIOLOGICAL EFFECT)  
(COTTON)

ABUTALYBOV, M.G.

Effect of molybdenum and cobalt on the carbohydrate metabolism in cotton, on the outflow of sugars from leaves and the speed of their translocation along the epidermis of the stem. Uch. zap. AGU. Biol. ser. no. 3:33-42 '59. (MIRA 15:5)  
(CARBOHYDRATE METABOLISM)      (COTTON)

ABUTALYBOV, M.G.

Effect of copper and zinc on variations in the sugar content of various  
organs of the cotton plant. Uch. zap. AGU. Biol. ser. no.4:35-45 '59.  
(MIRA 15:5)

(SUGAR)

(PLANTS, EFFECT OF COPPER ON)

(PLANTS, EFFECT OF ZINC ON)

ABUTALYBOV, M.G.; ALIYEV, E.

Reutilization and distribution of calcium in the plant organism.  
Uch. zap. AGU. Biol. ser. no.1:45-50 '60.      (MIRA 14:5)  
(CALCIUM)      (PLANTS, MOTION OF FLUIDS IN)

ABUTALYBOV, M.G.

Translocation of mineral nutrients in the plant organism. Uch. zap.  
AGU. Biol. ser. no.2:39-40 '60. (MIRA 14:3)  
(Plants, Motion of fluid in) (Calcium)

ABUTALYBOV, M.G.; DZHANGIROVA, Sh.G.

Calcium translocation in the plant organism. *Fiziol. rast.* 7  
no. 5:558-563 '60. (MIRA 13:10)

1. Azerbaijan Scientific-Research Agricultural Institute,  
Baku. (Plants, Motion of fluids in) (Calcium)



ABUTALYBOV, M. G., ALIYEV, D. A., (USSR)

"The Effects of Micro-Elements on Photosynthesis  
and Carbohydrate Metabolism in Plants."

Report presented at the 5th Int'l. Biochemistry  
Congress, Moscow, 10-16 Aug 1961.

ABUTALYBOV, M. G., (USSR)

"Influence of Microelements on the Nitrogenous Metabolism  
of Plants."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow,  
10-16 Aug 1961.

ABUTALYBOV, M.G.; ALIYEV, D.M.

Role of trace elements in carbohydrate translocation in the plant  
organism. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.5:31-40  
'61. (MIRA 14:8)

(TRACE ELEMENTS)  
(SUGARS)

(PLANTS, MOTION OF FLUIDS ON)

ABUTALYBOV, M.G., doktor biol. nauk, prof.; TAGIZADE, A., red.;  
AKHMEDOV, S., tekhn. red.

[Importance of trace elements in plant growing] Znachenie mikro-  
elementov v rastenievodstve. Baku, Azerbaidzhanskoe gos. izd-  
vo, 1961. 248 p. (MIRA 16:1)  
(Azerbaijan--Flants, Effect of trace elements on)

ABUTALYBOV, M.G.; ALIYEV, D.A.; SAMEDOVA, A.

Microelements in the nitrogen metabolism of plants. Izv.AN  
Azerb.SSR.Ser.biol.i med.nauk no.4:31-42 '62. (MIRA 15:12)  
(PLANTS, EFFECT OF TRACE ELEMENTS ON)  
(NITROGEN METABOLISM)

ALI-ZADE, M.A.; ABUTALYBOV, M.G., prof., red.

[Physiology of the tea plant] Fiziologiya chainogo kusta.  
Baku, Izd-vo AN Azerb.SSR, 1964. 221 p.      (MIA 1745)

Calcium transfer in plants.

report submitted for 10th Intl Botanical Cong, Edinburgh. 3-12 Aug 64.

AS AzerSSR, Baku.

Adriano, A.: 1974, p. 11, 12.

Effect of calcium on halogen absorption by the root system of wheat and the interrelation between them. *Tr. Akad. Nauk SSSR Ser. Biol. no. 13-18* 1974.

(SBA 17:12)



ABUTALYBOV, M.G.; RAKHMANOVA, S.

Effect of phosphorus, magnesium, potassium and calcium on the  
outflow of sugars from leaves and on their translocation in  
the bark of a stem. Izv. AN Azerb. SSR. Ser. biol. nauk no.1:  
3-14 '65. (MIRA 18:5)



MEKHTIZADE, R.M.; ABUTALYBOV, M.G., red.

[Physiology of grape in dry areas] Fiziologiya bogarnogo  
vinograda. Baku, Izd-vo AN Azerbaidzh.SSR, 1965. 213 p.  
(MIRA 18:11)

ABUTKOV, B. V.

"Studies of the Subsurface Knottiness of Birch Trees in Connection With the Process of Removing the Knots." Cand Agr Sci, Leningrad Order of Lenin Forestry Engineering Acad imeni S. M. Kirov Leningrad, 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55- Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions. (14)

Country : USSR  
Category: Forestry. Forest Management.

K

Abs Jour: RZhBiol., No 11, 1958, No 48750

Author : Abutkov, D.V.  
Inst : Leningrad Forest Technology Academy  
Title : Certain Conditions for the Growing of High Grade  
Commercial Birch.

Orig Pub: Tr. Leningr. lesotekhn. akad., 1957, vyp. 61, ch. 2,  
21-23

Abstract: It was found by the method of macro-dissection that  
the dying-off of the twigs has the nature of a con-  
tinuous thinning. On any isolated section of the  
crown, the thinnest and the shortest twigs die off  
at any particular moment. Relatively larger twigs,  
better lighted, die off later. The late clearing

Card : 1/2

K

Country : USSR  
Category: Forestry. Forest Management.

Abs Jour: RZhBiol., No 11. 1958, No 48750

away of the twigs when the sizes of the trees and consequently of the knots are bigger leads to a lowering in the commercial qualities of the wood. The great canopy density over the entire expanse of the crown creates conditions for an early clearing of the trunk from the twigs. In caring for the young birch growth, it is recommended that one endeavor to create a homogeneous, compact, tightly closed canopy. The article gives practical suggestions on the technique of growing high grade commercial birch. -- V V. Protopopov

Card : 2/2

x 28

ABUTKOVA, G.V.; KOZLOV, A.N., redaktor; ROSLOV, G.I., tekhnicheskii  
redaktor.

[Studying the state of Soviet trade] Ob izuchenii kon'iunktury so-  
vetskoi trgovli. Izd.2-e, perer. i dop. Moskva, Gos. izd-vo tor-  
govoi lit-ry, 1954. 85 p. (MLRA 7:10)  
(Russia--Commerce)

POLETAYEV, A.V.; AERUTSKAYA, Ye.G.,

Using surface-active substances in treating local mineral materials  
with liquid bitumens. Avt.dor. 25 no.11:9-10 N '62.

(MIRA 15:12)

(Road materials)



1. Krzhemenevskiy, V. S., Eng.; Abuyanchikov, E. P.
2. USSR (600)
4. Agricultural Machinery
7. Machine for the preparation of organic-mineral granules, Sel'khozmaschina, No. 11, 1952

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

~~SECRET~~, ~~SECRET~~

(21)

S/O11/63/000/001/002/002  
A006/A101

AUTHOR: Azizbekov, Sh. A.

TITLE: The Third All-Union Conference on regularities in the formation and distribution of endogenous mineral resource deposits

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, no. 1, 1963, 126 - 128

TEXT: The Conference was held in Baku from September 18 to 23, 1962; it was attended by 455 representatives from scientific and industrial geological organizations including 24 Academicians and Corresponding Members of AS USSR and AS of various republic, 49 Doctors-Professors and 164 Candidates of Geological and Mineralogical Sciences. The Conference was opened by Academician D. I. Shcherbakov, secretary of OGGN, AS USSR. The program of the Conference was divided into three main groups: a) regularities in the formation and distribution of endogenous deposits in the Caucasus; b) regularities in the formation and distribution of endogenous deposits of other folding regions of the Alpine cycle; c) general problems of metallogeny. In group a) reports on basic features

Card 1/4

The Third All-Union Conference on...

S/011/63/000/001/002/002  
A006/A101

of metallogeny and models of detailed metallogenic charts of the Caucasus were delivered by Sh. A. Azizbekov and R. N. Abdullayev (in Azerbaydzhan), S. S. Mkrtychyan (in Armenia), G. A. Tvalchrelidze and Yu. I. Nazarov (in Georgia) and V. I. Orobey (in the Northern Caucasus); V. I. Smirnov reported on peculiarities in magmatism and metallogeny of the geosyncline and plateau stage in the evolution of the Western section of Northern Caucasus. Reports were delivered on magmatism and metallogeny in the Dashkesan ore region (M. A. Kashkay, M. A. Mustafabeyli) Southern Georgia (V. R. Nadiradze) the Sevan-Akera zone (S. M. Suleymanov) the Allaverdy-Bolina ore region (T. Sh. Gogishvili) and in the small Caucasian intrusives. G. S. Dzotsenidze reported on "Paleogenous volcanism in the Caucasus and metallogeny related to it"; V. N. Kotlyar on "Deposit types related to paleo-volcanism"; papers were delivered on pyrite deposits in the Somkhito-Karabakh and the Sevan-Akera zone (P. F. Sopko); Northern Caucasus (N. S. Skripchenko, V. I. Buadze) the Chubukhlu-Tanzutsk ore region (S. Sh. Sarkisyan). Reports were read on polymetallic deposits in Northern Caucasus (A. M. Krasnovidova), North-West Caucasus (G. P. Kornev) and the Mekhmany ore field (N. V. Zaytseva). Other reports dealt with gold (N. Ye. Gukhman, D. G. Saliya) mercury (D. V. Abuyev) and rare metal (F. V. Mustafabeyli) mineralization. Group 2 included reports on  
Card 2/4

ABUYEV, D.V.

Conditions governing the localization of mercury mineralization in  
the Northern Caucasus. Zakonm.razm.polezn.iskop. 7:367-368 '64.  
(MIRA 17:6)

1. Severo-Kavkazskoye geologicheskoye upravleniye.

"APPROVED FOR RELEASE: 06/05/2000      CIA-RDP86-00513R000100310010-5

ABUEV, M. Sh. (First Vice-President of the Council o Ministers of the Daghestan ASSR  
and Minister of Production and Procurement of Agricultural Products)

"Organization of veterinary servicing of the range animal husbandry"

Veterinariya, vol. 39, no. 7, July 1962, pp. 9

APPROVED FOR RELEASE: 06/05/2000      CIA-RDP86-00513R000100310010-5"

ABUYEVA, A.A., kand. sel'skokhoz. nauk

Effect of various herbicides on tomatoes and broomrape.  
Izv. TSKHA no.4:156-164 '65. (MIRA 18:11)

1. Kafedra agronomicheskoy i biologicheskoy khimii Moskovskoy  
sel'skokhozyaystvennoy ordena Lenina akademii imeni  
Timiryazeva. Submitted March 2, 1965.

COUNTRY : USSR N  
CATEGORY : Weeds and Weed Control  
ABS. JOUR. : RZBiol., No. 12, 1958, No. 53949  
AUTHOR : Leonov, S.A.; Abuyeva, A.A.  
INST. : Moscow Agricultural Acad.  
TITLE : Chemical Methods of Weed Control in Flax Plantings  
ORIG. PUB. : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 29, 45-50  
ABSTRACT : In experiments made at the experimental station of Moscow Agricultural Academy im. K.A. Timiryazeva for flax weed control, dinitro-orthocresol in a dose of 2 kg/ha., triethanolamine salt, 2,4-D and 2M-4X in a dose of 0.75 kg/ha., UF-10 (a new herbicide gotten from the GDR which contains 2M-4X) in dosages of 0.75 and 1.0 kg/ha. were tried out. Due to abundant precipitation and low temperatures in 1956, the effectiveness of the herbicides  
CARD: 1/3

CATEGORY : USSR

N

ABS. JOUR. : RZBiol., No. 12, 1958, No. 53949

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : was relatively low, although the weeds were less in the variations treated with herbicide than in the control and in the hand weeded variations, while the straw and seed yield was higher than in the control and on the approximately same level as in the manually weeded variation. The UT-10 herbicide was most effective. The best period for treatment is the shooting stage when the flax reaches a height of 6-17 cm. The quality of

CARD: 2/3

CARD: 3/3



ABUYEVA, Z.A.

Some problems in the vibroactivation of a cement paste.  
Trudy Inst. stroi. mekh. i seism. AN Gruz. 10:135-140  
'64. (MIRA 18:11)

DZHIKAYEVA, G.A.; ABUYEVA, Z.A.

Aglokeramzit in local sands. Trudy Inst. stroi.mekh. i seism. AN Gruz.  
SSR 9:167-174 '63. (MIRA 17:12)

SARAROV, Sh.A., kand. sel'skokhoz. nauk; ABUZARLI, Z.A.

Antibiotics and cotton wilt; use biologically active  
substances in the fields. Priroda 53 no.5:116 '64.  
(MIRA 17:5)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut  
zashchity rasteniy, Kirovabad.

SAVEL'YEV, I.P.; ABUZAROV, A.Ya.; BOGUTSKIY, N.V.; SHEVCHENKO, G.Ye.

Work practices of a boring cutter loader in an anthracite mine.  
Ugol' 40 no.3:42-45 Mr '65. (MIRA 18:4)

1. Luranskiy sektor Gosudarstvennogo proyektno-konstruktorskogo i eksperimental'nogo instituta ugol'nogo mashinostroyeniya. (for Savel'yev, Abuzarov). 2. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy institut ugol'nogo mashinostroyeniya (for Bogutskiy, Shevchenko).

ABUZAROV, Kh.G.; SALAVATOV, R.Sh.

Replacing regular burial pits by heat pits. Veterinaria 34  
no.7:79-80 J1 '57. (MORA 10:8)

1. Direktor respublikanskoy veterinarno-bakteriologicheskoy laboratorii Ministerstva sel'skogo khozyaystva (for Abuzarov).
2. Glavnyy veterinarnyy vrach Muslyumovskogo rayona (for Salavatov).  
(Dead animals, Removal and disposal of)

ABUZAROV, Kh.G.

Eradication of muriform rodents on stockbreeding farms. Veterinariia  
37 no.3:21-24 Mr '60. (MIRA 16:6)

1. Direktor respublikanskoy veterinarnoy bakteriologicheskoy  
laboratorii Ministerstva sel'skogo khozyaystva Tatarskoy ASSR.  
(Tatar A.S.S.R.---Rodentia--Extermination)

AMFITEATROV, F.Z., doktor veterinarnykh nauk; PRUDNIKOV, V.F.; SHELASHSKIY, V.A.;  
ABUZAYEV, Kh.G.

Using dry virus vaccine made by the State Scientific Control  
Institute for Veterinary Preparations against foot-and-mouth  
disease. Veterinariia 40 no.8:15-16 Ag '68.

(MHA 17:10)

1. Kazanskiy veterinarnyy institut (for Amfiteatrov). 2. Starshiy  
veterinarnyy vrach Veterinarnogo otdela Ministerstva proizvodstva  
i zagotovok sel'skokhozyaystvennykh produktov Tatarskoy ASSR (for  
Shelashskiy). 3. Direktor veterinarnoy laboratorii Veterina nogo  
otdela Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh  
produktov Tatarskoy ASSR (for Abuzayev).

ABUZAROV, Kh.G.; SMIRNOVA, I.I., red.

[Antibiotics and biogenic stimulators in animal husbandry] Antibiotiki i biogennye stimulyatory v zhivotnovodstve. Kazan' Tatarskoe knizhnoe izd-vo, 1964. 62 p.  
(MIRA 18:2)



ABUZAROV, R.M., inzh.

Calculations for a reservoir using the BESM-2M electronic calculating machine. Gidr. i mel. 17 no.1:24-33 Ja '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii imeni A.N.Kostyakova.

ACC NR: AP6019094 (A,N) SOURCE CODE: UR/0346/66/000/002/0037/0039

AUTHOR: Kharisov, Sh. Kh.; Sakharova, R. V.; Abuzarov, Yu. Sh.

ORG: Kazan' Veterinary Institute (Kazanskiy veterinarnyy institut)

TITLE: Aerogenic method of immunizing cattle against brucellosis

SOURCE: Veterinariya, no. 2, 1966, 37-39

TOPIC TAGS: immunization, brucellosis, immunity, commercial animal, vaccine

ABSTRACT: The authors conducted a comparative study of the antigenic and immunogenic properties of Brucella bovis vaccines administered by the aerogenic and subcutaneous methods. The aerogenic method (dosage: 32.4 billion microbe bodies) was harmless for young cattle and produced immunity as stable as that of the subcutaneous method. With both methods immunity was less durable with Strain 82 than with Strain 19. The aerogenic method can be used to vaccinate cattle in sheds if cracks are stopped up and a concentration of vaccine is created that allows the animals to breathe in 32-35 billion microbe bodies in 45 minutes of exposure. [JPRS]

SUB CODE: 06 / SUBM DATE: none /

Card 1/1 IC

UDC: 619.616.981.42-085-37:636.2

BANNOV, K.; ABUZYAROV, Z., starshiy nauchnyy sotrudnik

Navigating vessels along recommended routes with the consideration of the predicted hydrometeorological conditions. Mor. flot 25 no.11:14-16 N '65. (MIRA 18:11)

1. Nachal'nik otdela sudovoschdeniya Glavnogo upravleniya moreplavaniya Ministerstva morskogo flota (for Bannov).
2. Tsentral'nyy institut prognozov (for Abuzyarov).

ABUZYAROV, Z.K.

Wave forecasts and recommended courses. Trudy TSIP no.142:75-80 '65.  
(MIRA 18:10)