"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

USSR/General and Special Zoology. Insects P-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 68906

Author : Yakhontov V.V.
Inst : -
Title : Biological Methods of Controlling Insect Pests, Mites, and Weeds

Orig Pub : Uspokhi sovrem. biologii, 1957, 43, No 3, 359-364

Abstract : A survey of 75 reports at the Tenth International Entomological Congress (in Canada). The large-scale work on biological method, especially in the USA and Canada, is noted. Most attempts at biological warfare against pests, weeds etc. are insufficient theoretical basis and generalization, empiricism, failure to study the climatic and other characteristics of the localities where the entomophages are procured and where they are used, insufficient research on their biology. There is a list of particularly effective instances of the

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USSR/General and Special Zoology. Insects P-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 68906

application of parasites and predatory insects in the control of pests. The condition of the study, and application against pests, of fungi, viruses, bacteria, protozoa, nematodes, and ants is described, as is the application of phytophages against weeds. The biological method has enjoyed its greatest success in the struggle with pests and weeds of foreign extraction by using imported parasites, predatory insects, phytophages. The economic effectiveness of the biological method of controlling these pests has not been sufficiently studied. Light has been cast upon problems of combining chemical and biological methods. --
A.P. Adrianov

Card : 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V., doktor biologicheskikh nauk.

International entomological congress in Canada. Priroda 46 no.4:46-49 Ap '57. (MLRA 10:5)

1. Akademiya nauk Uzbekskoy SSR (Tashkent).
(Montreal--Entomology--Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

USSR/General and Specialized Zoology.- Insects. Harmful Insects and Acarids. The Biological Method in the Control of Harmful Insects and Acarids. P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25445

Author : Yakhontov, V.V.

Inst : -

Title : Theoretical Bases for the Development of a New Trend in the Biological Method for the Control of Agricultural Pests.

Orig Pub : V sb.: Materialy Ob"yedin, nauchn. sessii po khlopkovodstvu T. 2. Tashkent, Gosizdat UzSSR, 1958, 241-244

Abstract : During the intraspecies crossing of Coccinella septempunetata and Stethorus punctillum from various places in Central Asia and Kazakhstan, the fertility, as a result of crossbred vigor, is increased (respectively, by 22-136% and by 10-66% in comparison with the fertility of the more productive non-hybrid strains) and the

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USSR/General and Specialized Zoology - Insects. Harmful Insects and Acarids. The Biological Method in the Control of Harmful Insects and Acarids. P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25445

voracity of the predators. The crossbred vigor in S. punctillum begins to die away from the 3rd generation; hybrid beetles even of the 4th generation are more productive than the non-hybrids. At closely-related crossing, both species show degeneration already from the 2nd generation. The vitality increase of the entomophags at intraspecies crossing of the individuals, taking place from the various parts of the area under different environmental conditions, appears to be, in the author's opinion, a theoretical basis for developing a new trend in the biological method in the control of the pests. The author recommends, from a practical point of view, intra-area settlement of entomophags. -- V.A. Tryapitsyn.

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

USSR / General and Special Zoology. Insects. Systematics and Faunistics. P

Abs Jour: Ref Zhur-Biol., No 1, 1959, 2203.

Author : Yakhontov, V. V.
Inst : AS UzSSR. - Inst. Zoology & Parasitology.
Title : Studies of the Pyralid Fauna in Bukharaskaya Oblast'.

Orig Pub: Dokl. AN UzSSR, 1958, No 1, 63-65.

Abstract: Nineteen pyralid species, found in Bukharaskaya Oblast' are enumerated (two species were not previously known in Uzbekistan). A brief characterization of the practical significance of some harmful species.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.; DAVLETSHINA, A.G.

Study of the Meloidae from the old delta of the Amu Darya. Dokl. AN Uzb. SSR no.3:63 '58. (MIRA 11:6)

1. Institut zoologii i parazitologii AN UzSSR. 2. Chlen-korrespondent AN UzSSR (for Yakhontov).
(Amu Darya Delta--Beetles)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Counting and Forecasting Service of the Chinese People's Republic. Zashch. rast. ot vred. i bol. 3 no.4:47-48 Jl-Ag '58. (MIRA 11:9)

1. Chlen-korrespondent AN UzSSR.
(China--Plants, Protection of)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

New entomological journal in the Chinese People's Republic. Zashch. rast. ot vred. i bol. 3 no.5:63 S-O '58. (MIRA 11:10)
(China--Entomology--Periodicals)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

New subgenus and species of thrips (Thysanoptera, Thripidae) from the genus Dendrothrips Uzel. Ent. obozr. 37 no. 3:705-707 '58. (MIRA 11:10)

1. Uzbekistanskoye otdeleniye Vsesoyuznogo entomologicheskoe obshchestva.

(Soviet Central Asia--Thrips)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

AKULOV, V.V., kand.geogr.nauk; BABUSHKIN, L.N., doktor geogr.nauk; ORESHINA, L.M.; SKVORTSOV, Yu.A., doktor geol.-mineral.nauk; PETROV, N.P., kand.geol.-mineral.nauk; CHERNEVSKIY, N.N.; KRYLOV, M.M., doktor geol.-mineral.nauk; KHASANOV, A.S.; BEDER, B.A., kand.geol.-mineral.nauk; KIMBERG, N.V., kand. sel'skokhoz.nauk; SUCHKOV, S.P.; GLAGOLEVA, A.F.; PERVUSHINA-GROSHEVA, A.N.; VERNIK, R.S., kand.biol.nauk; MOMOTOV, I.F.; GRANITOV, I.I., kand.biol.nauk; SALIKHBAYEV, Kh.S., kand. biolog.nauk; STEPANOVA, N.A., kand.biolog.nauk; YAKHONTOV, Y.V.; DAVLETSHINA, A.G., kand.biolog.nauk; MURATBEKOV, Ya.M., kand. biolog.nauk [deceased]; KUKLINA, T.Ye.; KORZHENEVSKIY, N.L., red. [deceased]; GORBUNOV, B.V., kand.geologo-mineral.nauk, red.; DONSKOY, P.V., red.; YAKOVENKO, Ye.P., red.izd-va; GOR'KOVAYA, Z.P., tekhn.red.

[Materials on the productive forces of Uzbekistan] Materialy po proizvoditel'nym silam Uzbekistana. Tashkent. No.10. [Natural conditions and resources of the lower reaches of Amu-Darya; Kara-Kalpak A.S.S.R. and Khorezm Province of the Uzbek S.S.R.] Prirodnye usloviia i resursy nizov'ev Amu-Dar'i; Kara-Kalpakskaia ASSR i Khorezmskaia oblast' UzSSR. 1959. 351 p. (MIRA 13:5)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. Sovet po izucheniyu proizvoditel'nykh sil. 2. Chleny-korrespondenty AN UzSSR (for Yakhontov, Korzhenevskiy].

(Amu-Darya Valley--Physical geography)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

New issues of Peking entomological journals. Zashch.rast.ot vred. i bol. 4 no.4:60-61 '59. (MIRA 16:5)

1. Chlen-korrespondent AN UzSSR.
(China-Entomology-Periodicals)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, Vladimir Vladimirovich; LUZHETSKIY, Aleksandr Nikolayevich [deceased]; ALIMDZHANOV, Rakhim Alimdzhanovich; NIKOLYUK, V.F., doktor biolog.nauk, otv.red.; SMOL'NIKOVA, B.Kh., red.; BARTSEVA, V.P., tekhn.red.

[Beneficial and injurious insects of Uzbekistan] Poleznye i vrednye nasekomye Uzbekistana. Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1960. 200 p. (MIRA 13:12)
(Uzbekistan--Insects, Injurious and beneficial)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV V. V.

KANASH, S.S., akademik; MAL'TSEV, A.M.; VLASOVA, N.A.; PASHCHENKO, Z.M.; ROZHANOVSKIY, S.Yu.; MAUYER, F.M.; MOKEYEVA, Ye.A.; KLYUYEV, G.A.; BURYGIN, V.A.; SHLEYKHER, A.I.; RUMI, V.A.; ROMANOV, I.D.; AVTONOMOV, A.I., otv.red.; MUKHAMEDZHANOV, M.V., akademik, glavnyy red.; RYZHOV, S.N., akademik, zamestitel' glavnogo red.; ALIMOV, R.A., red.; DABADAYEV, A.D., akademik, red.; DZHALILOV, Kh.M., kand. ekon.nauk, red.; YEREMENKO, V.Ye., akademik, red.; ZAKIROV, K.Z., akademik, red.; MANNANOV, N.M., akademik, red.; NABIYEV, M.N., akademik, red.; SADYKOV, S.S., red.; TOGOYEV, I.N., kand.ekon.nauk, red.; YAKHONTOV, V.V., red.; KURANOVA, L.I., red.izd-va; RAKHMANOVA, M.D., red.izd-va; BARTSEVA, V.P., tekhn.red.

[Cotton] Khlopchatnik. Tashkent. Vol.3. [Structure and development of cotton] Stroenie i razvitie khlopchatnika. 1960. 402 p. (MIRA 13:10)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. 2. Akademiki UzSSR (for Kanash, Mukhamedzhanov, Zakirov, Nabiyev). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Kanash). 4. Tsentral'naya selektsionnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta khlopkovodstva Uzbekskoy akademii sel'skokhozyaystvennykh nauk (for Kanash). 5. Tashkentskiy sel'skokhozyaystvennyy institut (for Mal'tsev, Shleykher). 6. Institut genetiki i fiziologii rasteniy AN UzSSR (for Vlasova, Mauyer, Klyuyev, Rumi, Romanov).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

KANASH, S.S. --- (continued) Card 2.
7. Sredneaziatskiy gosudarstvennyy universitet (for Pashchenko).
8. Institut botaniki AN UzSSR (for Rozhanovskiy, Mokayeva, Burygin).
9. Chleny-korrespondenty AN UzSSR (for Avtonomov, Alimov, Yeremenko, Sadykov, Yakhontov). 10. Uzbekskaya Akademiya sel'skokhozyaystvennykh nauk (for Mukhamedzhanov, Ryzhov, Dadabayev, Yeremenko, Zakirov, Mannanov).

(Cotton)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

BATIASHVILI, I.D.; BEY-BIYENKO, G.Ya.; BOGDANOV-KAT'KOV, N.N.; GERASIMOV, B.A.; GILYAROV, M.S.; DMITRIYEV, G.V.; ZVEREZOMB-ZUBOVSKIY, Ye.V.; ZIMIN, L.S.; KOLOBOVA, A.N.; MEDVEDEV, S.I.; MISHCHENKO, A.I.; PETROV, A.I.; RYABOV, M.A.; SAVZDARG, E.E.; SELIVANOVA, S.N.; SKORIKOVA, O.A.; TROPKINA, M.F.; SHAPOSHNIKOV, G.Kh.; SHCHEGOLEV, V.N., prof., doktor sel'skokhoz.nauk; ESTERBERG, L.K.; YAKHONTOV, V.V.; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[Classification of insects on the basis of damage to crops] Opredelitel' nasekomykh po povrezhdeniiam kul'turnykh rastenii. Izd.4, perer. i dop. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 607 p. (MIRA 14:1)

(Insects, Injurious and beneficial)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

KANASH, S.S., akademik, otv. red.; SHARDAKOV, V.S., kand. biol. nauk, otv. red.; GUBANOV, G.Ya., kand. biol. nauk, otv. red.; YENILEYEV, Kh.Kh., doktor biol. nauk, otv. red.; MUKHAMEDZHANOV, M.V., akademik, red.; RYZHOV, S.N., akademik, red.; ALIMOV, R.A., red.; DADABAYEV, A.D., akademik, red.; DZHALILOV, Kh.M., kand. ekon. nauk, red.; YEREMENKO, V.Ye., akademik, red.; ZAKIROV, K.Z., akademik, red.; MANNANOV, N.M., akademik, red.; NABIYEV, M.N., akademik, red.; SADYKOV, S.S., red.; TOGOYEV, I.N., kand. ekon. nauk, red.; YAKHONTOV, V.V., red.; PETROV, V.G., kand. sel'khoz. nauk, red.[deceased]; RAKHMANOVA, M.D., red.; BARTSEVA, V.P., tekhn. red.; KARABAYEVA, Kh.U., tekhn. red.

[Cotton] Khlopchatnik. Tashkent. Vol.4. [Physiology and biochemistry of cotton] Fiziologiia i biokhimiia khlopchatnika. 1960. 704 p. (MIRA 14:5)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. 2. Akademiya nauk Uzbekskoy SSR (for Mukhamedzhanov, Kanash, Zakirov, Nabiyev, Yakhontov, Yeremenko) 3. Uzbekskaya akademiya sel'skokhozyaystvennykh nauk (for Mukhamedzhanov, Ryzhov, Dadabayev, Yeremenko, Zakirov, Mannanov) 4. Chleny-korrespondenty AN UzSSR (for Alimov, Yeremenko, Sadykov, Yakhontov) 5. Vsesoyuznaya akademiya sel'skokhozyzystvennykh nauk im. V.I.Lenina (for Kanash)

(Cotton)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V., professor

"Distribution of harmful insects" by B.V.Dobrovol'skii. Reviewed by V.V.IAkhnotov. Priroda 49 no.8:120-121 Ag '60. (MIRA 13:8)

1. Chlen-korrespondent AN Uzbekskoy SSR, Tashkent.
(Beetles) (Dobrovol'skii, B.V.)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, Vladimir V. (Prof. Dr.) Tashkent

"Seasonal Migration of the Ladybirds Brumus Octosignatus Gebl. and Semiadalia Undecimmotata Schneid. in Middle Asia."

"Notes on the role of the oviductus communis structure in the insemination of insect eggs."

report presented at the Intl. Congress of Entomology, Vienna, Austria, 17-25 Aug 1960.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V. V.

"Entomological knowledge" No. 3-6, 1959. Reviewed by V. V. IAkhontov. Zashch. rast. ot vred. i bol. 5 no.5:54 My '60. (MIRA 13:1)

1. Chlen-korrespondent AN UzSSR.

(China—Entomology—Periodicals)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

At the Section for Agricultural Entomology of the 4th Congress of the All-Union Entomological Society; review of reports. Zashch.rast.ot vred.i bol. 5 no.7:55-58 Jl '60. (MIRA 16:1)

(Insects, Injurious and beneficial--Control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V. V., doktor biolog. nauk

International Congress of Entomology. Zashch. rast. ot vred. i bol. 5 no.11:60 N '60. (MIRA 16:1)

(Entomology—Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Thrips (Thysanoptera) from the arboraceous vegetation of Kirghizistan. Nauch. dokl. vys. shkoly; biol. nauki no.4:13-15 '61. (MIRA 14:11)

1. Rekomendovana kafedroy zoologii i entomologii Tashkentskogo sel'skokhozyaystvennogo instituta.
(KIRGHIZISTAN--THRIPS) (TREES--DISEASES AND PESTS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Biological control of weeds. Zashch. rast. ot vred. i bol. 6 no.8:50-51 Ag '61. (MIRA 15:12)

1. Chlen-korrespondent AN Uzbekskoy SSR.
(Weed control--Biological control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

In memory of Petr Porfir'evich Arkhangel'skii, 1893-1960. Ent. oboz. 40 no.3:710-712 '61. (MIRA 15:3)
(Arkhangel'skii, Petr Porfir'evich, 1893-1960)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Thrips of the genus Rhopalandrothrips Priesn. (Thysanoptera, Thripidae) in the Eurasian fauna. Zool. zhur. 40 no.10:1470-1477 O '61. (MIRA 14:9)

1. Institute of Zoology and Parasitology, Academy of Sciences of the Uzbek SSR, Tashkent.

(Thrips)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V., otv. red.; REZNIKOVA, F.L., red.; KARABAYEVA, Kh.U., tekhn. red.

[Animal kingdom of the Golodnaya Steppe] Zhivotnyi mir Golodnoi stepi. Tashkent, Izd-vo AN UzSSR, 1962. 174 p. (MIRA 15:7)

1. Akademiya nauk Uzbekskoy SSSR, Tashkent. Institut zoologii i parazitologii. 2. Chlen-korrespondent Akademii nauk Uzbekskoy SSSR, Tashkent (for Yakhontov).

(Golodnaya Steppe--Zoology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Notes on the thrips Phloeothrips nodicornis Reut. and Raynchothrips turkestanicus John. Sbor.ent.rab. no.1:187-191 '62. (MIRA 16:2)

(Kirghizistan--Thrips)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Parthenogenesis of insects. Uzb. biol. zhur. 6 no.2:56-63 '62. (MIRA 15:4)

1. Institut zoologii i parazitologii AN UzSSR.
(PARTHENOGENESIS) (INSECTS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V., prof.

I.V. Vasil'ev's 90th birthday. Zashch. rast. ot vred. i bol. 7 no.2:59-60 F '62. (MIRA 15:12)
(Vasil'ev, Ivan Vasil'evich, 1871-)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.; DAVLETSHINA, A.G.; VASENKOVA, V.M.

Characteristic features of the change in the entomofauna of the Golodnaya Steppe as influenced by its cultivation. Vop. ekol. 7:214-215 '62. (MIRA 16:5)

1. Institut zoologii i parazitologii AN Uzbekskoy SSR, Tashkent.
(Golodnaya Steppe--Insects, Injurious and beneficial)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

"Fauna and ecology of insects of the Turkmen S.S.R." Reviewed by V.V. IAkhontov. Zool.zhur. 41 no.1:152-154 Ja '62. (MIRA 15:4)

(Turkmenistan--Insects)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Research activities of the zoologists of the Academy of Sciences of the Uzbek S.S.R. Zool. zhur. 41 no.5:797-800 My '62. (MIRA 15:6)

(Uzbekistan--Zoological research)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Interrepublic scientific session on the reclamation of deserts of Central Asia and Kazakhstan. Zool.zhur. 41 no.11:1758 N '62. (MIRA 16:1)

(Soviet Central Asia--Reclamation of land--Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, Vladimir V.

Changes of the entomofauna of semi-deserts of Central Asia under the influence of irrigation.

Report to be submitted for the 16th International Zoology Congress Washington, D.C., 20-27 Aug 63

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

USPENSKIY, F.M., kand. biol. nauk; SOMOV, I.A.; MUMINOV, A.M., kand. sel'khoz. nauk; IVANOV, Ye.N., kand. biol. nauk; VASIL'YEV, A.A., kand. sel'khoz. nauk; SOLOV'YEVA, A.I., kand. sel'khoz. nauk; ZAPROMETOV, N.G., doktor sel'khoz. nauk; YAKHONTOV, V.V., doktor biol. nauk; KAPUSTINA, R.I.; STROMM, N.G.; POLEVSHCHIKOVA, V.N., kand. sel'khoz. nauk; KARIMOV, M.A., doktor biol. nauk; NOSKOV, I.G., kand. sel'khoz. nauk; KHODZHAYEV, A.Kh.; ALEYEV, B.G., kand. sel'khoz. nauk; YAKHONTOV, V.V., doktor biol. nauk; STEPANOV, F.A.; LYUB[redacted], kand. med. nauk; GUREVICH, B.E.; KONDRAT'YEV, V.I.; SUDARS, L.P.; KOSTENKO, I.R., zasl. agr. Uzbekskoy SSR; GORELIK, I.M., red.; BAKHTIYAROV, A., tekhn. red.

[Manual on controlling the pests, diseases and weeds of cotton, corn, and legumes] Spravochnik po bor'be s vreditelyami i bolezniami khlopchatnika, kukuruzy i bobovykh kul'tur. Izd.2., perer. i dop. Tashkent, Gos.izd-vo UzSSE, 1963. 325 p. (MIRA 16:5)

(Field crops—Diseases and pests)
(Weed control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

USPENSKIY, F.M., kand. biol. nauk; SOMOV, I.A.; MUMINOV, A.M., kand. sel'khoz. nauk; IVANOV, Ye.N., kand. biol. nauk; VASIL'YEV, A.A., kand. sel'khoz. nauk; SOLOV'YEVA, A.I., kand. sel'khoz. nauk; ZAPROMETOV, N.G., doktor sel'khoz. nauk; YAKHONTOV, V.V., doktor biol. nauk; KAPUSTINA, R.I.; STROMM, N.G.; POLEVSHCHIKOVA, V.N., kand. sel'khoz. nauk; KARIMOV, M.A., doktor biol. nauk; NOSKOV, I.G., kand. sel'khoz. nauk; KHODZHAYEV, A.Kh.; ALEYEV, B.G., kand. sel'khoz. nauk; YAKHONTOV, V.V., doktor biol. nauk; STEPANOV, F.A.; LYUBETSKIY, Kh.Z., kand. med. nauk; GUREVICH, B.E.; KONDRAT'YEV, V.I.; SUDARS, L.P.; KOSTENKO, I.R., zasl. agr. Uzbekskoy SSR; GORELIK, I.M., red.; BAKHTIYAROV, A., tekhn. red.

[Manual on controlling the pests, diseases and weeds of cotton, corn, and legumes] Spravochnik po bor'be s vreditelyami i bolezniami khlopchatnika, kukuruzy i bobovykh kul'tur. Izd.2., perer. i dop. Tashkent, Gos.izd-vo UzSSE, 1963. 325 p. (MIRA 16:5)

(Field crops—Diseases and pests)
(Weed control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V., prof.

Container for transporting cocoons and pupae. Zashch. rast. ot vred. i bol. 8 no.11:55 N '63. (MIRA 17:3)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V. V.

"The main features in the formation of insect fauna after ploughing and irrigation in desert and semidesert areas."

report submitted to 12th Intl Cong of Entomology, London, 8-16 Jul 64.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V., prof.

Import and export of enthomophagous insects for acclimatization. Zashch. rast. ot vred. i bol. 9 no.2:55 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V., prof.

Introduction of entomophaga. Zashch.rast. ot vred. i bol. 9 no.11:50 '64. (MIRA 18:2)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

POLYANSKIY, Yu.I.; SVETOVIDOV, A.N.; KHEYSIN, Ye.M.; YAKHONTOV, V.V.

Brief news and information. Zool. zhur. 43 no.4:629-630 '64 (MIRA 17:8)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.V.

Aeolothrips samarcandicus Djadetshko, a synonym to Aeolothrips intactus Pelikan (Thysanoptera, Aeolothripidae). Zool. zhur. 43 no.9:1403 '64. (MIRA 17:11)

1. Institut zoologii i parazitologii AN UzSSR, Tashkent.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, Vladimir Vladimirovich; VORONTSOV, A.I., red.

[Insect ecology] Ekologiia nasekomykh. Moskva, Vysshaia shkola, 1964. 458 p. (MIRA 17:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

GAN, E.I.; YAKHONTOV, V.V., doktor sel'khoz. nauk, prof., otv. red.; MOSHCHENKO, Z.V., red; KVYATKOVSKAYA, V.V., red.

[Botflies of sheep, goats, and horses in Uzbekistan; anatomy, biology, and measures for control] Ovody melkogo rogatogo skota i loshadey Uzbekistana; anatomiia, biologiia, mery bor'by. Tashkent, Izd-vo "Nauka" UzSSR, 1964. 226 p. (MIRA 18:1)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

AUTHOR: Yakhontov, V.Ye. SOV-115-58-4-3/45

TITLE: Inspecting the State of Measuring Equipment and Observance of Standards and Technical Requirements (Kontrol' za sostoyaniyem izmeritel'noy tekhniki i soblyudeniyem standartov i tekhnicheskikh usloviy); From the Experience of the Odessa State Supervisory Laboratory on Measurement Equipment (Iz opyta Odesskoy gosudarstvennoy kontrol'noy laboratorii po izmeritel'noy tekhnike)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 4, pp 9-11 (USSR)

ABSTRACT: The article describes the usual method of the Odessa Supervisory Laboratory when it sets out to inspect the measuring equipment and the standards of one of the local enterprises. Both the preliminary preparations and the details of the actual inspection are described.

1. Measurement--Instrumentation

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.Ye.

Introducing new measuring equipment in enterprises of Odes-
Province. Izm.tekh. no.8:1-2 Ag '60. (MIRA 13:9)
(Odessa Province--Measuring instruments)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, V.Ye.

Organization of the control of maintaining standards and specifications. Standartizatsiia 26 no.9:28-30 S '62. (MIRA 15:9)

(Standardization)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

1. YAKHONTOV, Ye. G.

2. USSR (600)

4. Physics and Mathematics

7. Theory of Optidal Instruments, A. I. Tudorovskiy. (1, General part, second edition, revised and supplemented). (Mascow-Leningrad, Acad Sci USSR Press, 1948). Reviewed by Ye. G. Yakhontov, Sov. Kniga, No. 1, 1949.

9. [redacted] Report U-3081, 16 Jan. 1953, Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

RUSINOV, Mikhail Mikhaylovich. Prinimal uchastiye SLYUSAREV, G.G., prof., doktor fiziko-matem.nauk. YAKHONTOV, Ye.G., red.; VASIL'YEVA, V.I., red.izd-va; BOTVINKO, M.V., tekhn.red.

[Dimensional calculation of optical systems] Gabaritnyi raschet opticheskikh sistem. Izd-vo geodez.lit-ry, 1959. 257 p. (MIRA 13:4)

(Optics, Geometrical)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

RUSINOV, Mikhail Mikhaylovich; YAKHONTOV, Ye.G., doktor fiz.-matem. nauk, retsenzent; KHVALOVSKIY, V.V., ~~inzh.,~~ red.; LEYKINA, T.L., red.izd-va; BORODULINA, I.A., red.izd-va; PETERSON, M.M. tekhn.red.

[Technical optics] Tekhnicheskaia optika. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1961. 327 p. (MIRA 14:6)

(Optics)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

RUSINOV, Mikhail Mikhaylovich; YAKHONTOV, Ye.G., red.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn. red.

[Dimension calculations of optical systems] Gabaritnye raschety opticheskikh sistem. 2., perer. izd. Moskva, Gosgeoltekhizdat, 1963. 399 p. (MIRA 17:3)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

CHERNYAVSKIY, V.G. [translator]; LIDVANSKIY, A.M. [translator]; YAKHONTOV, Yu.A., red.; SRIBNIS, N.V., tekhn.red.

[Inhumanity as a system].Beschelovechnost' kak sistema. Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 239 p. Translated from the German. (MIRA 13:4)

(Germany, West--Espionage)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOV, Yu.A. [translator]; VLADIMIRSKIY, L.A., admiral, red.; KVITNITSKIY, A.A., kapitan 1 ranga, red.; KUZ'MIN, I.F., tekhn.red.

[Sea power today; a collection of articles] Morskaia moshch' segodnia; sbornik statei. Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 271 p. (MIRA 14:1)

(Sea power)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

TSVILLING, M.Ya.; YAKHONTOV, Yu.A.; ISKRITSKAYA, L.I.; MOLODETS, V.N.; YEVSIN, A.D.; BLEDNEV, A.I., dotsent, kand.voyenno-morskikh nauk, kapitan 1 ranga, red.; KRUPENNIKOVA, I.A., red.; YAKIMOVICH, Yu.K., red.-leksikograf; KUZ'MIN, I.F., tekhn.red.

[German-Russian naval dictionary] Nemetsko-russkii voyenno-morskoi slovar'. Sost.M.IA.TSvilling i dr. Pod obshchei red. A.I.Bledneva. Moskva, Voen.izd-vo M-va obor.SSSR, 1961. 456 p. (MIRA 14:3)

(German language--Dictionaries--Russian)
(Naval art and science--Dictionaries)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

ASKAROV, A.A.; YAKHONTOV, Yu.V.; IL'KHAMOV, A.I.

Diet of national Uzbek dishes in the treatment of gastritis with secretory insufficiency. Izv.AN Uz.SSR.Ser.med. no.5:3-8 '59. (MIRA 13:3)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut.
(DIET IN DISEASE) (STOMACH--INFLAMMATION)
(COOKERY, UZBEK)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L. A.

Yakhontova, L. A. "Fibromyoma of the uterus and pregnancy," Zdravookhraneniye Kazakhstana, 1949, No. 1, p. 20-22.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.A.

Case of hydatiform mole of unusual localization and of uterine choriocepithelioma. Akush. i gin. no.3:83-84 My-Je '54. (MLRA 7:8)

1. Iz kafedry akusherstva i ginekologii (zav. prof. Ya.S.Klenitskiy) Kazakhskogo meditsinskogo instituta imeni V.M.Molotova.
(HYDATIFORM MOLE,
*uterus, with choriocepithelioma)
(UTERUS, neoplasms,
*hydatiform mole with choriocepithelioma)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.D.; ANISIMOVA, M.I.

Alkaloids of the mint family. Zhur.ob.khim. 32 no.4:1337-1339 Ap '62. (MIRA 15:4)

1. Vsesoyuznyy institut lekarstvennykh i aromaticheskikh rasteniy. (Alkaloids) (Rosemary)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L. D.; KUZOVKOV, A. D.

Alkaloids of the family Labiatae. Part 2: Partial structural formula of rosmarinecine. Zhur. ob. khim. 33 no.1:308-309 '63. (MIRA 16:1)

1. Vsesoyuznyy institut lekarstvennykh i aromaticheskikh rasteniy (VILAR).

(Rosmarinecine)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.F.

USSR/Surface Phenomena. Adsorption. Chromatography. Ion Interchange B-13

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26386

Author : L.F. Yakhontova, Ye.M. Savitskaya, B.P. Bruns.
Inst : Academy of Sciences of USSR
Title : Kinetics of Streptomycin Sorption and Influence of Sodium on Streptomycin Sorption by Hydrogen Forms of Carboxyl Cationites.

Orig Pub : Dokl. AN SSSR, 1956, 110, No 2, 249-251

Abstract : The speed of absorption of streptomycin cation (Str^{3+}) by H-forms of carboxyl cationites KB-4, KB-4F-2, KFU and amberlite IRC-50 in the neutral region of pH (the pH level was maintained by the introduction of the OH-form of anionite ЕДЕ-10 into the system) was studied. It was found that the sorption speed of Str^{3+} was considerably less than that of the large Str^{3+} ion (mol. weight 584). Amberlite IRC-50 possesses the greatest capacity in reference to Str^{3+}. A peculiar phenomenon was noted: if Na_2SO_4 was added to the equilibrium system of Str^{3+} solution with a cationite, an additional sorption of Str^{3+} takes place, but the solution remains to be neutral. This increase of cationite capacity in respect to Str^{3+} may be explained only by the loosening influence of Na^+ on the polymer structure, but not by a dissociation increase of carboxyl groups.

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YAKHONTOVA, L.F.; SAVITSKAYA, Ye.m.; BRUNS, B.P.

Sorption rate of streptomycin by carboxylic cationites. Dokl.AN SSSR 111 no.2:388-390 N '56. (MIRA 10:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov. Predstavleno akademikom V.A.Karginym.
(Streptomycin) (Carboxyl group) (Base-exchanging compounds)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L. F. Cand Chem Sci -- (diss) "Study of the ionic-exchange sorption of streptomycin on synthetic carboxylic cationites." Mos, 1957. (incl. cover with graphs) 17 pp (Min of Chem Industry USSR. Order of Labor Red Banner Sci Res Phys-Chem Inst im L. Ya. Karpov), 110 copies (KL, 44-57, 99)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.F.

EL'KINA, E.I.; KAN, A.M.; YAKHONTOVA, L.F.

Recovery and prufication of antibiotics of the tetracycline series. Report No.1. Med.prom. 11 no.11:6-11 N '57. (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy instituta antibiotikov
(AUREOMYCIN) (TERRAMYCIN)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.F.

20-2-45/62

AUTHOR YAKHONTOVA, L.F., BRUNS, B.P.,

TITLE True Equilibrium and Pseudoequilibrium in Ion Exchange Processes on Carboxyl Cationites with the Participation of a Streptomycin Ion. (Istinnoye i lozhnoye ravnovesiye pri ionoobmennykh protsessakh na karboksil'nykh kationitakh s uchastiyem iona streptomitsina - Russian)

PERIODICAL Doklady Akad.Nauk SSSR., 1957, Vol 115, Nr 2, pp 358 - 361 (U.S.S.R.)

ABSTRACT In earlier works of the authors (together with Ye.M.Savitskaya) it was shown that the speed of ion exchange processes on carboxyl cationites, in which streptomycin ions (Str^{+3}) participate, is determined by the speed of diffusion of the latter to the interior of the cationite grain. This speed is so much slowed down on some cationite types after absorption of a certain quantity that the reaction is virtually brought to a standstill and a pseudoequilibrium begins to exist. This phenomenon is especially strong on the H-form of the cationite, although it occurs on the Na-form too. The breaking up to the Na-form cationite and the increase in sorption temperature promote a better replacement of Na^+ in the ionogenic groups of the resin by Str^{+3} and thus bring the system closer to the state of true equilibrium. It was further found that the concentration of mineral ions in the solution, beside the temperature and the state of dispersion of the resin, is of great importance in the transition of the system cationite - solution from pseudoequilibrium to true equilibrium. The present paper investigated this problem. The stucy was, as earlier, performed under static conditions and intensive stirring of the so-

Card 1/3

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True Equilibrium and Pseudoequilibrium in Ion Exchange Processes on Carboxyl Cationites with the Participation of a Streptomycin Ion. 20-2-45/62

lution of the streptomycin sulfate with a cationite. Ill. 1 records the quantities of adsorbed Str^{3+} by the KB-4 type of Na-resin of two grain sires during 19o hours of contact as dependent on C_{Na^+} in the solution. From this may be seen that an increase in the dispersion state of the cationite influences the quantity of Str^{3+} aorption only in the case that C_{Na^+} lies between 0 and 0,5 N. From 0,5 N onward the sorption does not longer depend on the grain size of the cationate. Pseudoequilibriums also exist only below 0,5 N. The influence of sodium concentration manifests itself very distinctly in the transition from the pseudo- to the true equilibrium in the sorption by the H-form of the cationate. The authors investigated the ion exchange process in the system, H-form of KB-4 resin -- streptomycin sulfate, at various concentrations of sodium sulfate in the solution.It follows from the results that in the case of low C_{Na^+} in the solution no true equilibrium is obrained in this system,but that only a pseudoequilibrium exists.In the case of higher C_{Na^+} which were also to be expected on development of true equilibrium in this system, the quantity of sorbed Str^{3+} decreases with increasing C_{Na^+}. This is in agreement with the data of tab.1. At present it is still difficult to give a well- founded explanation of the influence of Na-ions on the transition of the cationite-streptomycin

Card 2/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

True Equilibrium and Pseudoequilibrium in Ion Exchange Processes on Carboxyl Cationites with the Participation of a Streptomycin Ion. 20-2-45/62

system from states of pseudoequilibrium to true equilibrium. The authors only give some assumptions concerning this problem. The data given in this paper undoubtedly are also interesting with regard to the correct calculation of equilibrium constants of the ion exchange reaction with participation of Str^{3+}. Finally some published data are discussed.
(4 illustrations, 1 table, 3 Slavic references).

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov
PRESENTED BY KARGIN V.A., Academician, March 9, 1957
SUBMITTED
AVAILABLE Library of Congress.
Card 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L. F.

5(2),(3) PHASE I BOOK EXPLOITATION SOV/2554

Akademiya nauk SSR. Otdeleniye khimicheskikh nauk. Komissiya po khromatografii

Issledovaniya v oblasti ionoobmennoy, raspredelitel'noy i osadochnoy kromatografii (Studies in the Field of Ion Exchange, Distribution and Precipitation Chromatography) Moscow, Izd-vo AN SSSR, 1959. 150 p. Errata slip inserted. 3,500 copies printed.

Ed. of Publishing House: N.G. Yegorov; Tech. Ed.: I.N. Guseva; Editorial Board: K.V. Chmutov, Corresponding Member, USSR Academy of Sciences (Resp. Ed.); F.M. Shemyakin, Professor; K.M. Ol'shanova, Professor; K.M. Saldadze, Docent, and N.N. Tunitskiy, Professor.

PURPOSE: This book is intended for chemists and chemical engineers.

COVERAGE: The book discusses studies in ion-exchange, distribution, and precipitation chromatography. Various problems of the theory of chromatography and its application are also considered. This is the 4th collection of articles published by the Committee on

Card 1/5

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Chromatography. The first collection was published in 1952 under the title: "Issledovaniya v oblasti khromatografii" (Studies in the Field of Chromatography); the second was published in 1955 under the title "Teoriya i praktika primeneniya ionoobmennykh materialov" (Theory and Practice of the Use of Ion-exchange Materials); and the third was published in 1957 under the title "Issledovaniya v oblasti ionoobmennoy khromatografii" (Studies in the Field of Ion-exchange Chromatography). No personalities are mentioned. References are given after most of the articles.

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SAVITSKAYA, Ye.M.; YAKHONTOVA, L.F.; BRUNS, B.P.

Mechanism of ion exchange on carboxyl cationites. Vysokom. soed. 1 no.9:1416-1421 S '59. (MIRA 13:3)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(Ion exchange)

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YAKHONTOVA, L.F.; SAVITSKAYA, Ye.M.; BRUNS, B.P.; KOVARDYKOVA, S.N.

Sorption of erythromycin by ion-exchange resins. Med.prom. 13 no.11: 15-18 N '59. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(SORPTION) (ERYTHROMYCIN) (ION EXCHANGE)

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5(4) SOV/76-33-1-3/45

AUTHORS: Yakhontova, L. F., Savitskaya, Ye. M., Bruns, B. P.

TITLE: Equilibrium Constants of the Ion Exchange Process for Carboxyl Cationites With a Streptomycin Ion Participation (Konstanty ravnovesiya ionoobmennogo protsessa na karboksil'nykh kationitakh s uchastiyem iona streptomitsina).

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 1, pp 15-19 (USSR)

ABSTRACT: It was shown in previous papers (Refs 1-3) that a real or an apparent equilibrium can exist in the sorption of streptomycin on carboxyl cationites. It was assumed (Ref 3) that the maximum capacity of the resin for Str^{3+} equals the capacity for Na^{+} in the case of medium-linked (or loosely-linked) cationites. This assumption is investigated in the present case. A table (1) shows that cationites with a grain size of 0.25-0.50 mm admit Str^{3+} at a lower capacity than Na^{+}, but that at a grain size of 0.08-0.12 mm the sorption of Str^{3+} in the case of the resins KFU, ROA and KB-4-P-2 is equal to that of Na^{+}, whereas a distinct increase of the Str^{3+} sorption can be observed in the case of the resins KB-4, KB-1 and amberlite IRC-50. The

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SOV/76-33-1-3/45

Equilibrium Constants of the Ion Exchange Process for Carboxyl Cationites With a Streptomycin Ion Participation

existence of an area of real or apparent equilibrium as a function of c_{Na^+} in solution is shown in a diagram obtained by the H-form of the cationite KB-4. The ion exchange of Na^+ with Str^{3+} was investigated in several resins (with 2 different grain sizes) (Tables 3,4). Here the Na^+ ion concentration was kept within the area of real equilibrium. According to the results, the equilibrium constant does not depend on the grain size of the cationite. The K_1 values obtained nearly coincide for some cationites. A calculation of the equilibrium constants according to S. Ye. Bresler and G. V. Samsonov's method (Ref 4) resulted in K_2 values (Tables 2,3,4) which do not coincide.

There are 1 figure, 4 tables, and 4 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva (All-Union Scientific Research Institute for Antibiotics, Moscow)

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SOV/76-33-1-3/45

Equilibrium Constants of the Ion Exchange Process for Carboxyl Cationites With a Streptomycin Ion Participation

SUBMITTED: April 30, 1957

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

5(3, 4) SOV/20-127-3-36/71

AUTHORS: Savitskaya, Ye. M., Yakhontova, L. F., Bruns, B. P., Kolygina, T. S.

TITLE: On the Transformation of Tetracycline by Sorption With Sulphocationite to Anhydrotetracycline

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 3, pp 606-608 (USSR)

ABSTRACT: Tetracycline (I), a derivative of naphthacene and an antibiotic substance, is transformed under liberation of water upon the sulphoresin (cationite) into anhydrotetracycline (II), which is biologically inactive. (II) is difficultly soluble and remains in the resin phase in a bound state. Separation of water may be understood as inactivation. For the investigation purest (I) - 98% - was used. The sorption of (I) was carried out on a hydrogen cationite in a 95% methyl-alcohol solution or in water under static conditions at -30°. The sorbed (I) with the resin was kept in a thermostat for some time at 25°, the transformation of (I) into (II) taking place at the same time. The separation of (II) from (I) took place under dynamic conditions in a hydrochloric methyl-alcohol solution again at -30°. The degree of separation

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SOV/20-127-3-36/71

On the Transformation of Tetracycline by Sorption With Sulphocationite to Anhydrotetracycline

was photogrammetrically determined from the analysis of the precipitate. Agreement of results was attained by these two methods. It was found that (I) is transformed in the same manner in the case of all investigated sulphoresins. The resins obtained from the copolymerization of vinyl naphthalene, divinyl benzene, and styrene containing various quantities of divinyl benzene, were produced by the nauchno-issledovatel'skiy institut plastmass (Scientific Research Institute for Plastic Materials), and sulphoresin SBS-3 by the Moskovskiy khimiko-tekhnologicheskiy institut im. Mendeleyeva (Moscow Institute of Chemical Technology imeni Mendeleyev). The resins are of different structure and have different physico-chemical properties. The rate of transformation was investigated on a highly acid resin. Figure 1 shows this rate in dependence on the concentration (II) in the precipitation. The reaction is one of first order. The smaller the quantity of free electrovalent H-ions bound to the resin, the more slowly does inactivation develop. The hydrogen ions of the cationite act catalytically. All substances participating in the transforma-

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SOV/20-127-3-36/71

On the Transformation of Tetracycline by Sorption With Sulphocationite to Anhydrotetracycline

tion are in the resin phase during transformation. The investigation is of interest for the conservation of active (I). There are 1 figure and 2 references, 1 of which is Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov (All-Union Scientific Research Institute for Antibiotics)

PRESENTED: January 23, 1959, by V. A. Kargin, Academician

SUBMITTED: January 13, 1959

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

GERASIMOV, G. Ya.; YAKHONTOVA, L.F.; BRUNS, B.P.

Sorption of dyes by synthetic carboxylated ion exchangers. Vysokom. soed. 2 no.6:864-870 Je '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(Sorption) (Dyes and dying) (Ion exchange)

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YAKHONTOVA, L.F.; BRUNS, B.P.; KOVARDYKOVA, S.N.

Sorption of polymyxin by synthetic carboxylic cation-exchange resins. Antibiotiki 5 no.2:5-9 Mr-Ap '60. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(POLYMYXIN) (ION-EXCHANGING SUBSTANCES)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.F.; BRUNS, B.P.; CHEKULAYEVA, Yu.S.; SHELLENBERG, N.N.; VAKULENKO, N.A.; KOVARDYKOVA, S.N.

Choice of the optimal cationite in producing streptomycin by means of ion-exchange sorption: Med. prom. 15 no.1:21-29 Ja '61. (MIRA 14:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(STREPTOMYCIN) (ION EXCHANGE)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.F.; BRUNS, B.P.; CHEKULAYEVA, Yu.S.; SHELLENBERG, N.N.; VAKULENKO, N.A.; KOVARDYKOVA, S.N.

Production of highly purified streptomycin sulfate by means of carboxycation exchange resins. Med. prom. 15 no.6:26-32 Je '61. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(STREPTOMYCIN)
(ION EXCHANGE RESINS)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

BOYKO, I.D.; BYLINKINA, Ye.S.; YAKHONTOVA, L.F.; BRUNS, B.P.

Production of a high quality streptomycin. Med. prom. 15 no.11:38-42 N '61. (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(STREPTOMYCIN)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L.F.; BRUNS, B.F.; CHEKULAYEVA, Yu.S.

Use of carboxyl cation exchanges for the separation and refining of antibiotic substances. Zhur.prikl.khim. 35 no.5:1101-1108 My '62. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(Antibiotics) (Ion exchange)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

S/191/63/000/003/010/022
B101/B186

AUTHORS: Tabidze, Z. S., Yakhontova, L. F., Bruns, B. P., Saldadze, K. M.

TITLE: Effect of ionic strength of electrolyte solution on the properties of carboxyl cationites

PERIODICAL: Plasticheskiye massy, no. 3, 1963, 33 - 36

TEXT: This is a study on the behavior of the KB-2 (KB-2) cationite, a saponification product of the copolymer of acrylic ester and 0.5% divinyl benzene, and of the KB-4 (KB-4) cationite, a saponification product of the copolymer of acrylic ester and 5% divinyl benzene, during potentiometric titration. It is based on papers by A. Katchalskiy (J. Polymer Sci., no.4, 393 (1951)). The cationites in Na-H form were put into a solution of neutral 0.01 - 2 N Na_2SO_4 salt at 20°C, until pH was constant. Then the dependence of the degree α_R of neutralization on pH_i of the external solution was determined. The apparent dissociation constant pK was determined from equations by H. P. Gregor (J. Am. Chem. Soc., 70, 1293 (1948)), and pH_i was found to depend linearly on log $(1-\alpha_R)/\alpha_R$, and pK on log μ (μ = ionic

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strength of external solution). The following empirical equations are derived: $\log[(1 - \alpha_R)/\alpha_R] = 0.78\ (4.96 + 0.435 \log\mu - pH_i)$ for KB-2, and $\log[(1 - \alpha_R)/\alpha_R] = 0.74\ (6.2 + 0.585 \log\mu - pH_i)$ for KB-4. In weakly cross-linked KB-2, the degree of swelling of the ionite increased 5-fold as neutralization increased, whereas strongly cross-linked KB-4 swelled but slightly. The behavior of the ionites on contacting electrolyte solutions has to be taken into consideration during the sorption of large organic ions. There are 6 figures and 1 table.

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TABIDZE, Z.S.; YAKHONTOVA, L.F.; BRUNS, B.P.; SALDADZE, K.M.

Effect of the ionic strength of an electrolyte solution on the properties of carboxyl cation exchangers. Plast. massy no.3:33-36 '63. (MIRA 16:4)

(Electrolyte solutions) (Ion exchange)
(Carboxyl group)

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YAKHONTOVA, L.K.

Laumontite from Dashkesan. L. K. Yakhontova. *Vestnik Moskov. Univ.* 5, No. 8, 69–77(1950), *Ser. Fiz.-Mat. i Estestven. Nauk*, No. 5.—Laumontite was recently discovered in paragenesis with bornite, magnetite, epidote, chlorite, calcite, and quartz; this indicated hydrothermal metasomatism. The isolated crystals of laumontite have sp. gr. 2.268; $\gamma = 1.514$; $\alpha = 1.507$; angle c: $\gamma = 37°$ (if dried at 110°), 18 to 20° (dried with a H_2O loss of 5%). Differential thermal analysis shows 2 endothermic effects at 210 and 370°. The wt.-loss curve shows a steep increase beginning at 200° with a H_2O loss of 5.07%; at 300° with 7%, at 350° with 10.0%, then rapidly increasing to 13.8% at 500°. Up to 5.07% H_2O loss the reaction is zeolitic; from 5.7 to 13.8% the dehydration is combined with a breakdown of the crystal structure. The chem. analysis of the pure laumontite shows only 0.50% $K_2O + Na_2O$, but 12.38% CaO, very low MgO and Fe_2O_3, which stains the mineral rose-colored. The correlations of laumontite to α- and β-leonhardite are established by higher temps. of formation for laumontite. This mineral weathers to β-leonhardite (with 1 H_2O). The confusion in the mineralogical literature on the laumontite group is explained by the neglect of the H_2O vapor pressure conditions in defining the properties. The same incompatibilities are observed in the optical properties. W. Eitel

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YAKHONTOVA, L.K.

Copper-rich variety of chrysocolla. Vestnik Moskov. Univ. 7, No.6, Ser. Fiz. Mat. i Estestven. Nauk No.4, 123-30 '52. (MLRA 5:9)
(CA 47 no.22:12146 '53)

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YAKHONTOVA, L. K.

Chrysocolia

"Coppery" varieties of chrysocolla. Vest. Mosk. un. No. 6, 1952.

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

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

YAKHONTOVA, L. K.

Carbonates

Hydrous carbonates of the Malka spiral massif in the Caucasus. Zap. Vses. min. ob. 81 no. 1:58-63 '52

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820014-9

VAKHONTOVA, L. K.

1

Presence of tungsten in the oxidation zone of scheelite deposits. L. K. Vakhontova (State Univ., Moscow). *Zapiski Vsesoyuz. Mineralog. Obshchestva* (Mém. soc. russe minéral.) 83, 117-22(1954).—"W-ochers" (tungstite and hydrotungstite) are enriched among the oxidation products of W ores, assocd. with the rarer ferritungstite, cuprotungstite, stolzite, and chillagite. Occasionally, W is found in jarosite, calcite, and the hydroxide minerals of Fe and Mn. (1) Contact-metasomatic scheelite deposits have the character of skarns, in the contact of intrusive magmatic rocks with carbonates, in which scheelite and sulfides (chalcopyrite) are typical primary minerals. (2) Metasomatic vein deposits of scheelite are rare, but usually very rich in W, B, Cl, alkalies, forming pyroxene, scapolite, garnets, and albite. (3) Scheelite veins are assocd. with quartz veins, with chalcopyrite, and bornite, with Cu, As, Sb, Bi as typical accessory elements. The weathering zones of (1) are intensely changed in their chem. character; nontronite and chalcedony are frequent besides malachite, azurite, Cu pitch ore, chrysocolla, and Fe hydroxides, but sulfates (gypsum and jarosite) are absent. MoS_2 and powellite are of local importance. The change of scheelite to hydrotungstite is usually restricted to cracks. In the oxidation zones of type (2) the changes are much more intense, accompanied by silicification and impregnation with gypsum of hydrogoethite decompn. products, progressively changing to halloysite, kaolinite, and nontronite in the granodioritic country rock, while the sulfides are changed to chrysocolla and malachite. Stolzite and chillagite are the typical epigenic minerals; secondary Cu enrichment (to covellite, chalocite, bornite, cuprite, native Cu) is typical in lower levels of cementation, with residual scheelite grains. Chillagite is frequent on the walls of cracks in the nontronitized country rock, assocd. with chubutite ($7PbO \cdot PbCl_2$), also with gypsum and Pb-contg. barite. Chillagite was recently found together with scheelite. The pH conditions for the mineralization of group (2) claim have been rather narrow. In vein deposits (3) of scheelite the presence of the oxidation products of Fe, Cu, Pb, Bi, sulfides brings about the W ocher type, and some stolzite; if sulfides, however, are absent, the scheelite is practically unchanged, and is found as such in the placers. Exptl. experience shows that scheelite is decompd. by free H_2SO_4, forming hydrotungstite. Bicarbonate solns. do not react with scheelite, but dissolve tungstite, and W is then able to migrate in hydrothermal solns. The rapid neutralization of H_2SO_4-contg. waters in the weathering zone of (2) is indicated by the apparently high stability of scheelite; CO_2-mineral waters ppt. the $(WO_4)^{--}$ anions, together with Pb^{++} as stolzite. Pb^{++} particularly migrates in solns. contg. Cl^- from the scapolites of the country rocks, and also brings about the pptn. of chubutite.

W. Bitel

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YAKHONTOVA, L.K.

USSR/Cosmochemistry. Geochemistry. Hydrochemistry. D

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18933.

Author : L.K. Yakhontova.
Inst : Academy of Sciences of USSR. Moscow Geological-Prospecting Institute.
Title : A New Mineral - Smol'yaninovite.

Orig Pub : Dokl. AN SSSR, 1956, 109, No 4, 849-850;
Tr. Mosk., Geol.-Razved. In-ta, 1956, 29, 59-65.

Abstract : A new mineral was discovered in the oxidation zone of a nameless arsenic occurrence. This mineral was named smol'yaninovite in honor of the well-known Soviet mineralogist Prof. N.A. Smol'yaninov (I). Its presence was established also in ore brought from Morocco (Bu-Azzer occurrence). It is surmised that the old name "brown and yellow cobalt" (Rammelsberg C.F., Handbuch der Mineralchemie, 1860) must refer to I forming earthy and compact fine-fibrous segregations after smaltite in association with safflorite and rammelsbergite.

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USSR/Cosmochemistry. Geochemistry. Hydrochemistry. D

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18933.

Hardness ~2. Specific gravity 2.43 - 2.49. Yellowish without pleochroism under the microscope; direct extinction; positive elongation; double refraction 0.006 - 0.008; mean refraction index 1.625 ± 0.005. When heated between the limits of 40 and 320° gives continually off water (22 - 25%). The Debye graph registers three wide lines corresponding to interplane distances of 10.87; 3.16, and 2.88 A. Chemical composition according to 4 analyses (in %): SiO_2 0.75 - 4.21; As_2O_5 38.53 - 41.88; Fe_2O_3 9.76 - 11.80; Al_2O_3 1.15 - 2.21; MgO 2.16 - 3.22; CaO 3.44 - 4.81; CoO 8.01 - 9.02; NiO 6.17 - 9.49; H_2O^- 6.04 - 6.49; H_2O 15.38 - 17.88. General formula: $2As_2O_5(Fe, Al)_2O_3 \cdot 4(Co, Ni, Mg, Ca)O \cdot 11 H_2O$. Structural formula: $(Fe, Al)_2 \cdot (Co, Ni, Mg, Ca)_4(AsO_4)_4 \cdot 11 H_2O$. In addition to it, Sb, Mn, Ti, Cu, Zn and Pb were discovered by spectral analysis in amounts under 0.01%. It is

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YAKHARTSVA L.K

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