

ACCESSION NR: AP4035820

of detonation were recorded by the optical method. The results of these measurements are as follows:

concentration of HN_3 , wt %	diameter of charge, mm	rate of detonation m/sec	No. of experiments
100	3-10	7537-14	10
90	7.4	7440-25	2
80	11	7060-11	5

Orig. art. has: 1 table on 1 figure.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences SSSR)

SUBMITTED: 30Dec63

ENCL: 00

SUB CODE: FP }

NO REF SOV: 002

OTHER: 002

Card 2/2

L 12096-66 EWT(1)/EWT(m)/EWT(m)/EWT(3)/T/EWT(1)/ETI IJF(C) JD/WW/JW/JWD/WM
ACC NR: AP6029752 (A) SOURCE CODE: UR/0414/66/000/002/0021/0027

AUTHOR: Gor'kov, V. A. (Moscow); Kurbangalina, R. Kh. (Moscow)

ORG: none

TITLE: Some data on the detonability of ammonium perchlorate

SOURCE: Fizika gorennya i vzryva, no. 2, 1966, 21-27

TOPIC TAGS: ~~ammonium perchlorate~~, ~~critical diameter~~, solid propellant, explosive,
ammonium compound

ABSTRACT: Considerable differences in the critical diameter of ammonium perchlorate have been observed between batches produced in winter and summer. This is attributed to the differences in water content. To investigate this problem, experiments were made to determine the effects of initial temperature (20-220C), the water content, the grain size, and the density on the ~~critical diameter of ammonium perchlorate~~. The results showed that the critical diameter is an exponential function of the initial temperature. The critical diameter of ammonium perchlorate increases considerably even at low water contents (0.5%), while the critical diameter of trotyl is affected only at high water contents exceeding 4%. Orig. art. has: 8 figures. (PV)

SUB CODE: 21, 19/ SUBM DATE: 12Jan66/ ORIG REF: 003/ OTH REF: 003/ AYD PRESS

Card 1/1 af UDC: 534.222.2

KURBANGALIYVA, Kh.M.

Waters of the Volga bottomlands inundated by Kuybyshev Reservoir
and their resources of fish food. Uch.zap.Kaz.un. 113 no.1:151-160
'53. (MLRA 10:3)

(Volga Valley--Fresh-water biology)
(Fishes--Food)

KURBANGALIYEVA, Kh.M.

Significance of plankton and benthos as fish food in some
Volga and Kama Valley waters. Uch.zap.Kaz.un. 116 no.1:217-220
'55. 1955. (MLRA 10:5)

1.Kafedra zoologii pozvonochnykh.
(Volga Valley--Fishes--Food)

KURBANGALIEVA, Kh.M.

USSR/General Biology - General Ecology and Hydrobiology

B-5

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68166

Author : Kurbangaleeva, Kh.M.

Title : Results of Hydrobiologic Research of Some Reservoirs in the Volga Basin in the Tartar Republic.

Orig Pub : Uch. Zap. Kazansk. Un-ta, 1956, 114, No 5, 170-174

Abstract : Results of hydrobiologic examination of lake B. Gryaznoe and Yunusov backwater in the mixed basin of the Volga and Sviaga of the Verkhneuslon (upper Uslon) region and lakes Rzhavtsi, Vetlyanka, Prorva Kovalevs-kaya, Ershikha, Peschance, situated in the Volga basin in the district of Stolbishchensk.

Card 1/1

- 7 -

B-1

COUNTRY : USSR
 CATEGORY : General Biology - General Hydrobiology

ABS. JOUR. : RZBiol., No. 1, 1959, No. 561

AUTHOR : Furmanovskiy, M. K.
 INST. : Kizani' University
 TITLE : Plankton and Benthos of Bodies of Water in the Flood Plain of the Volga Summered by Kuybyshev Reservoir Within Later USSR

ORIG. PUB. : Sob. zap. Kizansk. un-ta, 1957, No. 117, No 6, 187 pages, illustration.

ABSTRACT : Description of the history of studies of plankton and benthos of bodies of water within the Volga flood plain; general characteristics of these bodies of water, and their hydrological and chemical regimen. Qualitative composition of plankton and benthos is characterized, and their quantitative development, according to seasons, is described. For the principal bodies of water a description is made of quantitative development of plankton and benthos, on the basis of which certain conclusions are derived concerning the trophic importance of algae to animals of the plankton. Distribution of benthos in the bodies of water is considered in connection with the extent

CARD: 17

KURBANGALIYEVA, Kh.M.

Koval lakes and their hydrological and hydrochemical features.
Uch. zap. Kaz. un. 117 no.9:246-250 '57. (MIRA 13:1)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.
Kafedra zoologii pozvonochnykh.
(Tatar A.S.S.R.--Lakes)

KURBANGALIYEVA, Kh.M.

Plankton and macrobenthos of the Kovalii lakes and their importance
as feed. Uch. zap. Kaz. un. 117 no.9:251-255 '57. (MIRA 13:1)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.
Kafedra zoologii pozvonochnykh.
(Tatar A.S.S.R.--Fresh-water biology) (Fishes--Food)

KURBANGALIYEVA, Kh. M., Doc Biol Sci -- (diss) "Plankton and benthos
of ~~subtidal~~ ^{the} Volga bottomland reservoirs flooded by the Kuybyshev
reservoir within boundaries of the TASSR." Mos, 1958. 27 pp
(Min of Higher Education USSR, Mos Order of Lenin and Order of
Labor Red Banner State Univ im M. V. Lomonosov), 100 copies (KL,
15-58, 113)

-16-

ARIFOV, A.A.; KORBANIYAZOV, K.; AYKHODZHAYEV, S.S.

Conditions governing the formation of Jurassic sediments in the
Ustyurt and regions adjacent to it. Uzb.geol.zhur. 8 no.3:48-55
'64. (MIRA 13:12)

1. Institut geologii i geofiziki Imeni Abdullayeva AN UzSSR.
Submitted Febr. 10, 1964.

ARIPOV, A.A.; AKHMEDZHANOV, M.A.; BORISOV, O.M.; KURBANİYAZOV, K.;
RALZHABOV, F.Sh.

Oil and gas potentials of Paleozoic sediments in Ustyurt and
areas adjacent to it. Uzb. geol. zhur. 8 no.4:30-37 '64.
(MIRA 18:5)

1. Institut geologii i geofiziki imeni Abdullayeva AN UzSSR.

KURBANIYAZOV, K.K.; POLYAKOV, V.N.; ROBOVIL'SKIY, M.S.

Senonian sediments in the southern Ural Mountain region. Uzb.
geol. zhur. 8 no.1:75-83 '64. (MIRA 18:5)

1. Institut geologii i geofiziki im. Kh.M. Abdullayeva AN UzSSR.

KONDORSKIY, Ye.I.; CHEREMUSHKINA, A.V.; KURBANIYAZOV, N.

Hall effect in ferromagnetic metals and alloys. Fiz. tver. tela 6 no.
2:539-548 F '64. (MIRA 17:2)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

KURBANMURADOV, A.

Some special characteristics of formation waters of the Kum-Dag
oil field. Izv. AN Turk. SSR no.5:78-82 '58.. (MIRA 11:12)

1. Institut geologii AN Turkmenskey SSR.
(Ashkhabad Province--Oil field brines).

KURBANMURADOV, A., Cand. Geol-Mineral. Sci. (diss) "Deep Waters of Southwestern Turkmenstan and Prospects for Oil Zones of this Region on the Basis of Hydrogeological Data," Moscow, 1961, 17 pp (Scient. Res Instit. Hydrogeology and Eng. of Geology "VSEG-INGEO, Acad. of Sci. Turk. SSR, Inst. of Geol.) 125 copies (KL Supp 12-61, 259).

MAL'TSEV, L.M., glav. red.; VAKHTANOVA, A.N., red.; DAVYDOV, I.Ya.,
red.; KURBANMURADOV, A., red.; KUZ'MENKO, A.I., red. izd-va;
IVONT'YEVA, U.R., tekhn. red.

[Problems in the hydrogeology and engineering geology of the
Turkmen S.S.R.] Voprosy gidrogeologii i inzhenernoi geologii
TSSR. Ashkhabad, Izd-vo AN TSSR, 1963. 93 p. (MIRA 16:8)

1. Akademiya nauk Turkmenskoy SSR. Ashkhabad. Institut geo-
logii.

(Turkmenistan--Water, Underground)

KURBANMURADOV, A.; AL'TOVSKIY, M.Ye., doktor tekhn. nauk, prof.,
nauchnyy red.; MAYOROVA, Yu.M., red. izd-va; ARKOVA,
G.A., tekhn. red.

[Bottom waters in southwestern Turkmenistan and hydrogeological data on oil and gas potentials of this region] Glubokie vody Iugo-Zapadnogo Turkmenistana i perspektivy neftegazonosnosti etogo raiona po gidrogeologicheskim dannym. Ashkhabad, Izd. AN Turkm. SSR, 1963. 143 p. (MIRA 16:7)
(Turkmenistan--Oil field brines)
(Turkmenistan--Petroleum geology)

KURBANMURAT, A.

Hydrodynamic efficiency in the multiple development of horizons
with different regimes. Izv. vys. ucheb. zav.; neft' i gaz 7 no.
5:49-53 '64. (MIRA 17:9)

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

KURBANNIYAZOV, N.; CHEREMUSHKINA, A.V.

Hall effect and the electric resistance of Fe - Al alloys. Izv. AN
Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.4:113-115 '63.
(MIRA 17:2)

1. Turkmenskiy gosudarstvennyy universitet imeni Gor'kogo.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3"

ZVYAGINSTSEV, O. E., NIKOLSKIY, V. D., STAROSTIN, S. M., KURBANOV, A. and SHMIDT, V. S.

"chemistry of Radioruthenium."

paper to be presented at 2nd UN Intl. Conf. on the peaceful uses of Atomic Energy, 1 - 13 Sept 58.

AUTHORS:

Zvyagintsev, O. Ye., Kurbanov, A.

SOV/78-3-10-13/35

TITLE:

Electrolytic Reduction of Some Nitroso Compounds of Ruthenium
(Elektroliticheskoye vosstanovleniye nekotorykh nitrozo-soyedi-
neniy ruteniya)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 10, pp 2305-2308
(USSR)

ABSTRACT:

The electrolytic reduction of nitroso compounds of ruthenium was analyzed in order to ascertain the state of valency of ruthenium compounds. The method of electrolytic reduction was applied because no impurities are involved in it. An investigation was carried out of the electrolytic reduction of compounds of nitroso-sulfate ruthenium, nitroso-nitrate ruthenium, nitroso-oxalate ruthenium and nitroso-acetate ruthenium. In the electrolytic reduction of compounds of nitroso-oxalate ruthenium with the formula $H_2 [RuNO(C_2O_4)_2]$ three jumps appear in the reduction curves. The first indicates the reduction of the NO-group, the second indicates the reduction of Ru-(II) to Ru-(I) and the third indicates the reduction of Ru-(I) to Ru. The electrolytic reduction of nitroso-nitrate ruthenium with the formula $RuNO(NO_3)_2$

Card 1/2

Electrolytic Reduction of Some Nitroso Compounds of Ruthenium SO7/78-3-10-13/35

shows only one jump in the reduction curve, probably in the reduction of NO_3 . The electrolytic reduction of nitroso-acetate ruthenium shows also three jumps in the reduction curve. The first of them is probably not caused by the reduction of the NO -group, but by the CH_3COO^- ion.

There are 3 figures and 14 references, 4 of which are Soviet.

SUBMITTED: April 28, 1958

Card 2/2

ZVYAGINTSEV, O.Ye.; KURBANOV, A.

- Characteristic of the ruthenium bond with the NO group in nitroso
compounds. Zhur. neorg. khim. 3 no.10:2424-2427 0 '58.

(MIRA 12:3)

(Ruthenium compounds) (Chemical bonds)

AUTHORS: Zvyagintsev, O. Ya., Kurbanov, A. SOV/78-3-12-12/36

TITLE: Concerning the Degrees of Oxidation of Ruthenium in Acid Nitroso Compounds (O stepenyakh okisleniya ruteniya v atsidonitroso-soyedineniyakh)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 12, pp 2662-2665 (USSR)

ABSTRACT: The step-wise oxidation of ruthenium in nitroso-oxalates, nitrates, and acetates with potassium permanganate was investigated using the potentiometric method. By these investigations it was possible to determine the valence state of ruthenium in the following acid nitroso compounds: $H_2 [RuNO(C_2O_4)_2]$, ruthenium nitroso nitrate - $RuNO(NO_3)_2 \cdot 3H_2O$; and sodium ruthenium nitrosotriacetate - $Na [RuNO(CH_3COO)_3] H_2O$. In the oxidation potentiometric curve for $H_2 [RuNO(C_2O_4)_2]$ there were found five clear and definite jumps in potential, indicating the oxidation of ruthenium from Ru^{2+} to Ru^{8+} . The last jump indicates the oxidation of the $(C_2O_4)^{2-}$ group. The end-product

Card 1/2

SOV/78-3-12-12/36

Concerning the Degrees of Oxidation of Ruthenium in Acid Nitroso Compounds

of the oxidation is RuO_4 . On the oxidation curve for $\text{RuNO}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$ were found potential jumps corresponding to the oxidation of Ru^{2+} to Ru^{8+} . The end-product of this reaction is RuO_4 . The potentiometric oxidation titration curve for $\text{Na}[\text{RuNO}(\text{CH}_3\text{COO})_3] \cdot \text{H}_2\text{O}$ is characterized by four jumps in potential, indicating the oxidation of ruthenium from Ru^{2+} to Ru^{8+} . The end-product is again RuO_4 . The ruthenium in all the acidonitroso compounds investigated was divalent. There are 5 figures and 5 references, 3 of which are Soviet.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov of the Academy of Sciences, USSR)

SUBMITTED: July 17, 1958

Card 2/2

KURBANOV, A.: Master Chem Sci (diss) -- "The oxidation-reduction properties of certain acidnitroso compounds of ruthenium". Moscow, 1959. 11 pp (Acad Sci USSR, Inst of Gen and Inorganic Chem im N. S. Kurnakov), 150 copies (KI, No 15, 1959, 114)

ZVYAGINTSEV, O.Ye.; KURBANOV, A.

Electrolytic reduction of some ruthenium acidonitroso compounds.
Zhur.neorg.khim. (no.9:2216-2218 S '61. (MIRA 14:9)
(Ruthenium compounds) (Reduction, Electrolytic)

KURBANOV, A. A. Cand. Geolog-Mineralog Sci.

Dissertation: "Genesis and Industrial Outlooks of the Chechek-Dzhora Deposit of Kabardin. ASSR." All-Union Sci. Res. Inst. of Mineral Raw Materials. 26 Feb 47.

SO: Vechernyaya Moskva, Feb, 1947 (Project #17836)

RODYAKIN, N.F., dotsent; MCZHAR, B.S., kand. med. nauk; YURKEVICH, A.Ya.,
kand. med. nauk; BOBROV, S.M., mlad. nauch. sotr; RUSYAYEVA, T.P./,
mlad. nauch. sotr; KURBANOV, A.K., trach; GADZHIYEV, M.G., vrach;
VASIL'YEVA, O.A., sestra.

Use of adhesive tape caps in treating dermatomycosis under rural
conditions in Turkmenia. Vest. ven. i derm. no.5:48-50 S-0 '55.
(MLBA 9:1)

1. Iz Turkmenskogo nauchno-issledovatel'skogo kozhno-venerologiches-
skogo instituta (dir.-dotsent N. F. Rodyakin).

(SKIN, diseases,

fungus dis., ther. use of adhesive tape cap in rural
conditions in Russia)

(RURAL CONDITIONS,

in Russia, ther. of fungus dis. of skin, use of adhesive
tape cap)

(BANDAGING AND DRESSING,

adhesive tape cap, use in ther. of fungus dis. of skin
in rural conditions in Russia)

KUPPANOV, A. A.

~~1~~ Turkemskiy Gosudarstvennyy Universitet, 1950-1960. [by] P. Azimov i KUSBAKAYAA
Asikhabad, Turkmenuchpedgiz, 1960.

[3] p. illus., charts, ports, tables.

Added title in Turkmen.

Bibliographical footnotes.

Particularities of the
KURBANOV, A.K., Cand Tech Sci -- (diss) "~~exploitation~~
writing
particularities of subgas petroleum deposits." Mos
1958, 10 pp (Min of Higher Education USSR. Mos Order of
Labor Red Banner Petroleum Inst im Academician I.M.
Gubkin) 160 copies (KL, 4-58, 115)

KURBANOV, A.K.

Oil flow into gas-water contact pools. Izv. vys. ucheb. zav.;
neft' i gaz no. 5:75-84 '58. (MIRA 11:8)

1. Moskovskiy neftyanoy institut im. akad. I.M.Gubkina.
(Petroleum engineering)

KURBANOV, A.K.

Exploitation of saturated pools. Izv. vys. ucheb. zav.; neft'
i gaz no.6:43-50 '58. (MIRA 11:9)

1. Moskovskiy neftyanoy institut imeni akad. I.M. Gubkina.
(Condensate oil wells)

KURBANOV, A.K.

Some generalizations of the equations of two-phase fluid flow.
Nauch.-tekh. sbor. po dob. nefti no.15:32-38 '61. (MIRA 15:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.
(Oil reservoir engineering)

KURBANOV, A.K. (Moskva); FATKULLIN, A.Kh. (Moskva)

Percolation of a two-liquid mixture. PMTF no.1:160-162 Ja-F
'62. (MIRA 15:4)
(Percolation) (Fluid dynamics)

KURBANOV, A.K.

Calculating the flooding of oil layers. Nauch.-tekhn. sbor.
po dob. nefti no.16:56-61 '62. (MIRA 15:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.
(Oil field flooding)

KURBANOV, A.K.; ROZENBERG, M.D.; ZHELTOV, Yu.P.; SHOVKINSKIY, G.Yu.

Motion of multicomponent hydrocarbon mixtures in a porous medium.
Nauch.-tekhn. sbor. po dob. nefi no.24:41-43 '64. (MIRA 17:10)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KURBANOV, A.K.; KURANOV, I.F.

Effect of wettability on water drive. Nauch.-tekhn. sbor. po dob.
nefti no.24:47-54 '64. (MIRA 17:10)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KURBANOV, A.R.; SADICHIROV, P.B.

Simultaneous withdrawal of oil and water from planktonic oil pools with
a gas cap. Nauch.-tekh. sbor. po dob. nefti no.24:57-62 '64.
(MIRA 17:10)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

SHIRAZ, A.S.

Simultaneous flow of oil and rubber water to a well. Persh.-Lakh.
stor. p. 10. dob. nefli no. 25:24-29 104. (SFA 17:12)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KURBANOV, A.K.; KURBANOV, I.F.

Effect of capillary forces on water oil drive. Nauch.-tekh. sbor.
po dob. nefti no.25:43-46 '64. (MIRA 17:12)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KURBANOV, A.K.; KURANOV, I.F.

Movement of the water-oil contact in a double-layer reservoir.
Trudy VNII no.42:93-111 '65. (MIRA 18:5)

KURBANOV, A.K., KURANOV, I.F.

Effect of the permeability ratio of interlayers on the steadiness of the displacement of water-oil contact in a two-layer formation. Nauch. tekhn. sbor. po dob. nefi no.27:39-42 '65. (MIRA 18:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KURBANOV, A.M.; TROMPFER, I.F.

Modernizing silver machinery. Tekst.prom. 18 no.5:65-67 My '58.
(Cotton machinery) (MIRA 11:5)

KURBANOV, A.R.; SUVOROV, A.V.; SHCHUKAREV, S.A.; NOVIKOV, G.I.

Thermodynamics of tantalum chlorides. Zhur. neorg. khim. 9
no.3:520-525 Mr '64. (MIRA 17:3)

TALIPOV, Sh.T., prof., doktor khimicheskikh nauk; KURBANOV, A.R., starshiy
prepodavatel'

Determining manganese in the soil. Uch. zap. LGPI no.6:109-115 '58.
(MIRA 13:9)

(Manganese--Analysis)

(Soils--Analysis)

S/054/62/000/002/011/012
B117/B101

AUTHORS: Shchukarev, S. A., Kurbanov, A. R.

TITLE: Thermodynamic investigation of some tantalum chlorides

PERIODICAL: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii,
no. 2, 1962, 144 - 151

TEXT: The pressure of saturated and unsaturated tantalum pentachloride vapors between 425 and 1020°K and the thermal stability of tantalum tetrachloride were investigated. $TaCl_5$ was produced by direct chlorination of metallic tantalum with chlorine at 300 - 350°C. $TaCl_4$ was obtained by reduction of $TaCl_5$ with metallic aluminum and sheet tantalum. Sublimation and evaporation of $TaCl_5$ were studied at 425 - 530°K. It was found for the sublimation: $\Delta H = 22.7$ kcal/mole, $\Delta S = 45.2$ entropy units (e.u.), for the evaporation: $\Delta H = 14.9$ kcal/mole, $\Delta S = 29.3$ e.u. A melting temperature of 216°C and a boiling temperature of 235°C were determined from the equations for sublimation and evaporation. The difference in

Card 1/2

Thermodynamic investigation of...

S/054/62/000/002/011/012
B117/B101

enthalpy and entropy of these two processes was used to calculate heat and entropy of melting of TaCl_5 : $\Delta H = 7.8$ kcal/mole, $\Delta S = 15.9$ e.u. For the dissociation according to the reaction $(\text{TaCl}_5)_{\text{gas}} = (\text{TaCl}_4)_{\text{gas}} + 1/2 \text{Cl}_2$, the following was found: $\Delta H = 33.55$ kcal/mole, $\Delta S = 31.3$ e.u. For the very slow disproportionation (32 - 36 hr) of TaCl_4 according to

$$2[\text{TaCl}_4]_{\text{solid}} = [\text{TaCl}_3]_{\text{solid}} + (\text{TaCl}_5)_{\text{gas}}; \Delta H = 27.0 \text{ kcal/mole},$$

$\Delta S = 48.3$ e.u. When measuring the pressure of gaseous TaCl_5 over solid $[\text{TaCl}_3]$ in the absence of $[\text{TaCl}_4]$ at 450°C , the conproportion reaction $[\text{TaCl}_3]_{\text{solid}} + (\text{TaCl}_5)_{\text{gas}} = 2(\text{TaCl}_4)_{\text{gas}}$ was observed. In this case, $\Delta H = 33.4$ kcal/mole and $\Delta S = 32.3$ e.u. were determined. Enthalpy and entropy of sublimation of TaCl_4 were calculated from the disproportionation and conproportion processes: $\Delta H = 30.2$ kcal/mole, $\Delta S = 40.4$ e.u. The results show a satisfactory agreement with published data. There are 2 figures and 2 tables.

SUBMITTED: July 7, 1961
Card 2/2

BAYMUKHAMEDOV, Kh.N.; ZAKIROV, T.Z.; ARIFDZHANOV, T.Kh.; KURBANOV, A.S.

Geology and conditions governing the distribution of
mineralization of some gold-ore deposits in Uzbekistan.
Uzb. geol. zhur. 7 no.3:11-18 '63. (MIRA 16:11)

1. Tashkentskiy politekhnicheskiy institut.

KURBANOV, B.P.

Use of loessial soils for hydraulic-fill earth structures. Izv. AN
Uz. SSR no.1:104-119 '53. (MIRA 11:3)
(Loss) (Dams)

SOV/124-57-5-6002

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 143 (USSR)

AUTHORS: Kurbanov, B. P., Pesikov, Ye. S.

TITLE: On the Shear Resistance of Alluvial Loess-type Soil (O soprotivlenii
sdvigu namytogo lessovidnogo grunta)

PERIODICAL: Tr. Tashkentsk. in-ta inzh. irrigatsii i mekhaniz. s.-kh., 1956,
Nr 2, pp 187-195

ABSTRACT: Bibliographic entry

Card 1/1

SOV/99-59-1-10/13

AUTHORS: Kamenev, N.G. and Kurbanov, B.P., Engineers

TITLE: The Use of Prefabricated Reinforced Concrete for Strengthening the Upper Bank of Dams (Primeneniye sbornogo zhelezobetona, dlya krepleniya verkhovogo otkosa plotin)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 1, pp 46-51 (USSR)

ABSTRACT: The authors describe an experiment in strengthening the upper bank of the dam at the Tyuya-Buguz water reservoir with prefabricated reinforced concrete slabs. A detailed description of the production process as well as the composition of the concrete and the production costs are given. It was found that the factual cost of production was 22% lower than estimated. A further reduction of

Card 1/2

SOV/99-59-1-10/13

The Use of Prefabricated Reinforced Concrete for Strengthening
the Upper Bank of Dams

costs is possible. There are 4 photographs, 2
sets of diagrams and 1 table.

Card 2/2

KURBANOV, B.P., inzh.

Some problems concerning the strained state of loose
soils. Trudy SANIIRI no.95.17-41 '58. (MIRA13:6)
(Soils mechanics)

KURBANOV, B.P.

On M.P. Kuz'minov's book "Hydraulic structures made of earth".
Izv. AN Uz. SSR. Ser. tekhn. nauk no.5:78-83. '59.

(MIRA 13:3)

(Dams)

ROZHDESTVENSKIY, Ye.D. Primali uchastiye: GORBUNOV, B.P., kand. tekhn. nauk; SHUL'GINA, V.P., kand. tekhn. nauk; OBEL'CHENKO, A.N., kand. tekhn. nauk; KUDRINA, S.A., kand. khim. nauk; KURBANOV, B.P., otv. red.; BAKLITSKAYA, A.V. red.; BARTSEVA, V.B., tekhn. red.

[Physical properties of the loess soils of Uzbekistan] Fiziko-tekhnicheskie svoistva lessovykh gruntov Uzbekistana. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1960. 269 p. (MIRA 14:9)
(Uzbekistan—Loess)

KURBANOV, B. P., inzh. (Tashkent)

Preferential rates for electric power used for drainage and
irrigation pumping units. Gidr. i mel. 15 no. 3:45-47 Mr '63.
(MIRA 16:4)

(Uzbekistan—Electricity in agriculture)
(Uzbekistan—Pumping stations)

KURBANOV, B.P.

"Fergan-type water intake units" by A.P.Ushakov, V.N.Sholokhov,
I.A.IAkshtas. Reviewed by B.P.Kurbanov. Izv.AN Uz,SSR.Ser.tekh.
nauk 7 no.2:71-72 '63. (MIRA 16:4)
(Intakes (Hydraulic engineering))
(Ushakov,A.P.) (Sholokhov, V.N.) (IAkshtas, I.A.)

USSR/General and Special Zoology. Insects

P-2

Abstr Jour : Ref Zhur - Biol., No 15, 1956, No 68915

Author : Kurbanov Dzh. Dzh.

Inst : Azerbaijani Acad Sci

Title : Predatory Insects and Mites Which Destroy the Spider Cotton Mite in Azerbaijan

Orig Pub : Izv. Akad Sci Azerb SSR, 1957, No 7, 77-87

Abstract : 14 species of predatory insects have been isolated: *Neotetranychus fuscicornis*, *Scutotetranychus acariphagus*, *S. longicornis*, *S. latissimus*, *Orius niger*, *O. albipennis*, *Chrysopa vulgaris*, *Ch. septempunctata*, *Chrysopa* sp., *Scymnus nigricornis*, *Sc. bipunctatus*, *Sc. frontalis*, *Stethorus punctillum*, *Arthrocybus* sp. In the end of June a triple treatment of the test plot with DDT reduced the number of predatory insects by 43%. The number of spider mites on the test plot on 23 July was 70 times

Card : 1/2

27

USSR/General and Special Zoology. Insects

P-2

Abstr Jour : Ref Zhur - Biol., No 15, 1956, No 68915

as great as before treatment with DDT (7 June), and 30 times as high as on the control plot. --
From the author's results.

Card : 2/2

BALEZIN, S.A.; PODOBAYEV, N.I.; GLIKINA, F.B.; KURBANOV, F.

Inhibitors for the hydrochloric acidization of oil wells
with high bottom hole temperatures. Neft. khoz. 42 no. 3:
35-38 Mr '64. (MIRA 17:7)

KURBANOV, F.K., BALEZIN, S.I., POBOBAYEV, N.I.

Effect of inhibitors on the corrosion of carbon steel in
a solution of calcium chloride and in oil field water at
high temperatures and pressures. Zhur.prikl.khim. 38
no. 9:2007-2008 1985.

(MIRA 18:11)

I. Moskovskiy gosudarstvennyy petrolyumskiy institut imeni
Lenina.

POLOBAYEV, N.I., inzh.; KURBANOV, F.K., inzh.

Effect of oxygen on the protective action of acid corrosion
inhibitors in hydrochloric acid. Teploenergetika 11 no.4:
73-75 Ap '64. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni
Lenina.

BALEZIN, S.A.; GOLOBAYEV, N.I.; KURBANOV, F.I.

Study of the rate of dissolution of nickel-7 in hydrochloric acid of different concentrations depending on pressure and temperature. *Gour. prikl. khim.* 37 no.11: 14-16B N 961 (1984 12:1)

1. Moskovskiy gosudarstvennyy pedagogicheskii universitet.
V.I. Lenina.

L 3780-66 EWT(m)/EPF(c)/EWP(j)/T/EWP(t)/EWP(b)
ACCESSION NR: AP5014139

JD/VW/WB/RM
UR/0365/65/001/003/0337/0340
620.193.41
620.197.3

40
37
B

AUTHOR: Balezin, S. A.; Kurbanov, F. K.; Podobayev, N. I.

TITLE: Investigation of the protective action of steel corrosion inhibitors in hydrochloric acid as a function of temperature, pressure and acid concentration

SOURCE: Zashchita metallov, v. 1, no. 3, 1965, 337-340

TOPIC TAGS: corrosion inhibitor, steel, hydrochloric acid

ABSTRACT: The authors study the protective action of PB-5 (a product of condensation of aniline and urotropin), Katapin A (paradodecylbenzylpyridinium chloride), propargyl alcohol, and mixtures of PB-5 + urotropin, I-1-A (a byproduct from manufacture of 2-methyl-5-ethyl pyridine) + urotropin, and Katapin A + BA-6 (a product of condensation of benzyl amine and urotropin) in 8-20% hydrochloric acid at temperatures of 22-155° and pressures of 1-500 atm. The specimens were made in the form of cylinders 5 mm in diameter and 50 mm long and had the following composition (in wt. %): C--0.47; P--0.022; S--0.030; Si--0.019; Mn--0.70; Ni--0.06; Cr-0.05. It was found that propargyl alcohol, Katapin A, I-1-A + urotropin and PB-5 + urotro-

Card 1/2

L 3780-66

ACCESSION NR: AP5014139

pin and Katapin A + urotropin are effective at 110°, while a mixture of I-1-A + Na₂SO₄ is most effective at 130°. A temperature maximum for the inhibiting effect is characteristic of the agents studied. For Katapin and PB-5, this maximum is in the 60-70° range, while the other inhibitors show a temperature maximum at 80-90°. A reduction was observed in the protective action of the inhibitors as the pressure was increased. At higher acid concentrations, the corrosion rate in the presence of inhibitors is also higher. This effect is more pronounced as the temperature is raised. Orig. art. has: 4 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy pedagogicheskiy institut im. V. I. Lenina (Moscow State Pedagogical Institute)

SUBMITTED: 26Sep64

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 007

Card 2/2

14-00000
ACC NR: AF6009526 (N) SOURCE CODE: UR/0413/66/000/005/0049/0049

AUTHOR: Podobayev, H. I.; Balezin, S. A.; Shikhiyev, I. A.; Aliyev, M. I.;
Israfilova, S. Z.; Kurbanov, F. K.

ORG: none

TITLE: Corrosion inhibitor for steel in hydrochloric acid. Class 22, No. 179406
[Announced by the Moscow State Pedagogical Institute im. V. S. Lenin (Moskovskiy gosudarstvennyy pedagogicheskiy institut)]

SOURCE: Izobreteniya, promyshlennyye obratzsy, tovarnyye znaki, no. 5, 1966, 49

TOPIC TAGS: steel corrosion, corrosion inhibitor, acid corrosion

ABSTRACT: An Author Certificate has been issued for a corrosion inhibitor for steel
in hydrochloric acid. Consisting basically of dipropargyl methylcyclohexylphosphi-
nate, it contains several other additives, preferably in amounts of inhibitor BA-6,
~ 0.5%; 1-hexyn-3-ol, 0.25 -- 0.5%; potassium iodide, ~ 0.02%. [LD]

SUB CODE: 13/ SUBM DATE: 07Jan65

Card 1/1 BLG

UDC: 620.197.3

KURBANOV, G.

Annual variation in the location of the zone of discontinuity
of the tropopause over Eurasia. Trudy Inst. mat. AN Uz. SSR
no.25:67-95 '62. (MIRA 16:8)
(Eurasia--Atmosphere, Upper)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620011-3"

L 54038-65 EWT(1)/FCC OS/OM

ACCESSION NR: A15009166

UK/0000/64/000/000/0079/0101

AUTHOR: Kurbanov, G.

10
8/1

TITLE: Cases of tropopause duplications above Eurasia

SOURCE: AI UzSSR, Institut matematiki. Chislennyye metody prognoza pogody i voprosy sinopticheskoy meteorologii (Numerical methods of weather forecasting and problems in synoptic meteorology). Tashkent, Izd-vo Nauka UzSSR, 1964, 79-101

TOPIC TAGS: tropopause duplication, tropopause duration, tropopause outline, high latitude tropopause, numerical forecasting

ABSTRACT: The author initiated the first known studies of tropopause disruptions over large territories. In earlier papers, he published charts of duplication of positions of the southern, polar, and northern limits of the tropical tropopause

and analyze these four cases and for different periods to

ACC NR: AT7002613

SOURCE CODE: UR/0000/66/000/000/0050/0054

AUTHORS: Kurbanov, G.; Khafizov, Kh.

ORG: none

TITLE: Calculation of empirical influence functions for H₅₀₀ forecasting over Tashkent from synoptic processes of Central Asia

SOURCE: AN UzSSR. Institut matematiki. Rosheniye uravneniy gidrotermodynamiki primenitel'no k zadacham meteorologii (Solution of equations in hydrothermodynamics applied to problems in meteorology) Tashkent, Izd-vo FAN UzSSR, 1966, 50-54

TOPIC TAGS: Green function, mathematic matrix, atmospheric geopotential, isobar, weather forecasting, anticyclone, least square method, weather map

ABSTRACT: Forecasting of the geopotential field by using calculated empirical influence functions is applied to the eastern regions of the SSSR. The empirical influence functions for calculation of H₅₀₀ over Tashkent are computed for the northwestern cold-air outbreak and the southwestern periphery of the anticyclone. The data of 15 aerological stations at levels of 850, 500, and 300 mb were used. A system of 45 equations with 45 unknowns is solved by transformation of the matrix

Card 1/2

ACC NR: AT7002813

$$M = \begin{pmatrix} \sum_{k=1}^{96} F_{1k}^2 & \sum_{k=1}^{96} F_{2k} F_{1k} & \sum_{k=1}^{96} F_{3k} F_{1k} & \dots & \sum_{k=1}^{96} F_{45k} F_{1k} \\ \sum_{k=1}^{96} F_{1k} F_{2k} & \sum_{k=1}^{96} F_{2k}^2 & \sum_{k=1}^{96} F_{3k} F_{2k} & \dots & \sum_{k=1}^{96} F_{45k} F_{2k} \\ \dots & \dots & \dots & \dots & \dots \\ \sum_{k=1}^{96} F_{1k} F_{45k} & \sum_{k=1}^{96} F_{2k} F_{45k} & \sum_{k=1}^{96} F_{3k} F_{45k} & \dots & \sum_{k=1}^{96} F_{45k}^2 \end{pmatrix} \quad (3)$$

by the Gauss method. Here F is the meteorologic-element function, and its first and second subscripts are the number of the point in space and the number of the case, respectively. The results were satisfactory, although not final. Orig. art. has: 3 formulas and 2 maps.

SUB CODE: 04, 12/ SUBM DATE: 26May66/ ORIG REF: 009

ACC NR: AT7002016

SOURCE CODE: UR/0000/66/000/000/0062/0072

AUTHOR: Kurbanov, G.

ORG: none

TITLE: Study of the subtropical tropopause discontinuity over the northern hemisphere

SOURCE: AN UzSSR. Institut matematiki. Resheniye uravneniy gidrotermodynamiki primenitel'no k zadacham meteorologii (Solution of equations in hydrothermodynamics applied to problems in meteorology) Tashkent, Izd-vo FAN, UzSSR, 1966, 62-72

TOPIC TAGS: tropopause, atmospheric model, atmospheric wind

ABSTRACT: Discontinuity between polar and tropical tropopause over northern hemisphere was investigated by plotting the charts of the southern boundaries of the polar tropopause and the northern boundaries of the tropical tropopause. The method consisted of replotting the latitude of the points of intersection of the extreme southern isobars of the polar tropopause with the meridians (in multiples of 5) at every 5° of the longitude, using the data from daily maps of tropopause. The charts of recurrence of the locations for the southern boundaries of polar tropopause were obtained by replotting the latitudes of the intersection points daily for a month. The results are shown in Fig. 1. The recurrence charts for the northern boundaries of the tropical tropopause were drawn in an analogous manner. With these charts it is possible to establish the number of cases of double tropo-

Card 1/3

ACC NR: AT7002816

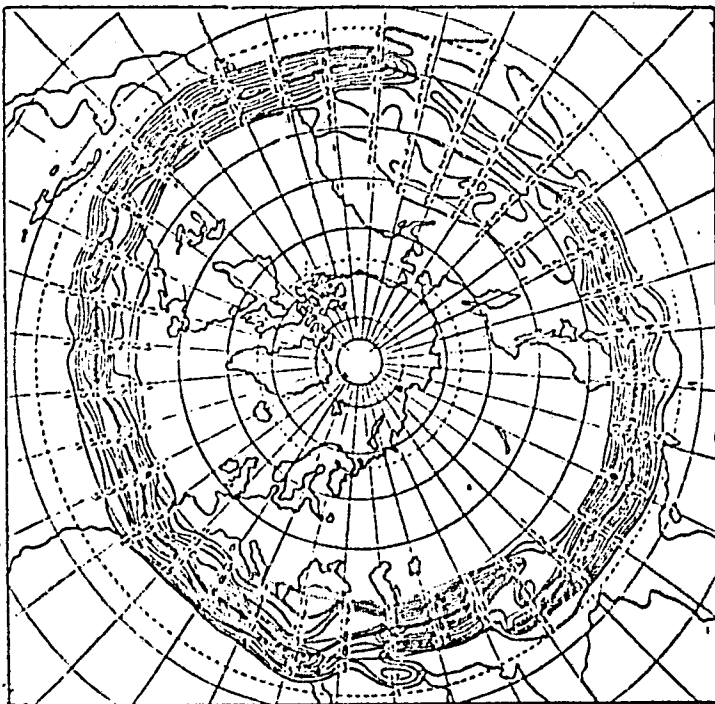


Fig. 1. Recurrence chart of the southern boundaries of the polar tropopause, March 1964

Card 2/3

ACC NR: AT7002016

pause. By superimposing the recurrence map of the southern boundary of the polar tropopause over the maps of the northern boundary of the tropical tropopause (for the same month), it is possible to estimate the average monthly width of an overlapping zone for both tropopauses in their discontinuity zone. The main boundaries of the tropopause were found to coincide with the location of the average current flow (of the maximal wind) at subtropical latitudes. It was also established that the overlapping zone of the tropopause is to the north of the axis of the current flow. Orig. art. has: 4 figures.

SUB CODE: 04/

SUBM DATE: 26May66/

ORIG REF: 010/

OTH REF: 004

Cerd 3/3

KURBANOV, G. G.

"Tetranychus Urticae Koch as a Cotton Damaging Pest in the Shirvan Zone of Azerbaydzhan and Measures for Combating It." Cand Biol Sci, Inst of Zoology, Acad Sci Azerbaydzhan SSR, Baku, 1953. (RZhBiol, No 1, Ser. 54)

SO: Sum 432, 29 Mar 55

KURBANOV, G.O.

The red spider *Tetranychus urticae* Koch as a cotton pest in the
Shirvan region of Azerbaijan. Trudy Inst. zool. AN Azerb. SSR 18:17-106
'55. (MIRA 9:7)
(Kura Lowland—Red spider) (Cotton—Diseases and pests)

KURBANOV, G.G.

Study of thrips species injurious to cotton and grain crops
in Azerbaijan. Izv. AN Azerb. SSR, Ser. biol. i sel'khoz. nauk
no. 4: 63-69 '59. (MIRA 12:12)
(Azerbaijan--Thrips) (Cotton--Diseases and pests)
(Grain--Diseases and pests)

KURBANOV, G.G.; KULIYEV, G.A.

Study of predatory insects and parasites exterminating the cotton spider mite (*Tetranychus urticae*) and the malva moth (*Gelechia malvella*) in the Nakhichevan A.S.S.R. *Izv. AN Azerb. SSR. biol. i med. nauk* no.6:51-58 '60. (MIRA 14:9)

(NAKHICHEVAN A.S.S.R.--RED SPIDER)
(NAKHICHEVAN A.S.S.R.--MOTHS) (COTTON--DISEASES AND PESTS)

KURBANOV, G.G.; KULIYEV, G.A.

Biology and economic significance of some parasites and insects preying
on the malva moth in the Nakhichevan A.S.S.R. Izv. AN Azerb. SSR, Ser.
biol. 1 med. nauk no.5:65-71 '61. (MIRA 14:6)
(NAKHICHEVAN A.S.S.R. -- PARASITES -- MOTHS)
(COTTON -- DISEASES AND PESTS)

KURBANOV, G.G.; KULIYEV, G.A.

Research on mass rearing of the ichneumon fly *Habrobracon
brevicornis* Wesm. under laboratory conditions and some of
its results. *Izv. AN Azerb. SSR Ser. biol. i med. nauk*
no.8:39-50'61. (MIRA 16:8)

(ICHNEUMON FLIES)

(NAKHICHEVAN A.S.S.R.—COTTON—DISEASES AND PESTS)
(MOTHS—BIOLOGICAL CONTROL)

KURBANOV, G.G.; KULIYEV, G.A.

Wintering of the Ichneumon fly (*Habrobracon brevicornis*
Wasm.) destroying the mallow moth in the Nakhichevan A.S.S.R.
Izv. AN Azerb.SSSR.Ser.Biol. i med.nauk no. 12:55-58 '61.
(MIRA 17:5)

KURBANOV, G.G.; KULIYEV, G.A.

Effect of agrotechnical measures on the injurious and beneficial
entomofauna of cotton under the conditions of the Nakhichevan
A.S.S.R. Izv. AN Azerb. SSR. Ser. Biol. no.4:65-71 '67.

(MIRA 17:12)

KURBANOV, A. R.

Kurbanov, A. R. "Restorative operations in the laceration and distortion of the chin area due to gunshot wound," (Report), Trudy III Zakavkazsk. s"yenda khirurgov, Yerevan, 1949 (on cover: 1949), P. 469-473

SO: U-5240, 17 Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

KURBANOV, G. R. PROF.

Nose - Surgery

Correction of total defect of the nose according to author's method. Khirurgia, No. 6
1952.

Monthly List of Russian Accessions Library of Congress October 1952. UNCLASS.

GASAN-ZADE, A.I.; KURBANOV, G.R., professor, zasluzhennyy deyatel' nauki, zaveduyushchiy; ALIYEV, A.M., direktor.

Three cases of anodontia. Stomatologiya no.4:52-53 J1-Ag '53.

(MLRA 6:9)

1. Klinika chelyustno-litsevoy khirurgii Azerbaydzhanskogo nauchno-issledovatel'skogo instituta ortopedii i vosstanovitel'noy khirurgii (for Kurbanov).
2. Azerbaydzhanskiy nauchno-issledovatel'skiy institut ortopedii i vosstanovitel'noy khirurgii (for Aliyev).
(Teeth)

EXCERPTA MEDICA SER 8 Vol 12/2 Neurology Feb 59

1037. MORPHOLOGIC CHANGES OF BLOOD IN CLOSED TRAUMATIC LESIONS OF THE SKULL (Russian text) - Kurbanov G.R. and Mamadov D.M. - AZ.MED.ZH. 1956, 8 (67-69)

Blood examinations were done on 61 patients over a period of 5 days after the skull injury. The total leucocyte count in patients with skull and brain injuries was elevated, proportional to the severity of the injury; in the majority of patients the number of lymphocytes was decreased and the ESR was elevated in 44.2% of cases.

(S)

KURBANOV, G.R., zasl.deyatel'nauki, prof., DAVIDYAN, A.I., kand.med.nauk

Primary bone surgery of the lower jaw. Azerb.med.zhur.no.7:115-116
Jl '58 (MIRA 11:8)

(JAWS--SURGERY)

KURBANOV, G.R.; MAMEDOV, D.M.

Role of pathogenetic therapy (vagocarotid block and medication
sleep) in the treatment of patients with closed skull injuries.
Azerb. med. zhur. no. 5:53-55 My '60. (MIRA 13:7)
(SKULL--WOUNDS AND INJURIES) (NOVOCAINE)
(SLEEP--THERAPEUTIC USE)

KURBANOV, I.

Studying the quality of buffalo meat. Mas. ind. SSR SR
no.5:47-48 SSR. (1971. 11:11)

1. Na chine-izobolovatel'skiy institut khlebov Azerb. yedinstvennoy SSR.
(buffaloes)

L 24212-66 EWT(1)/T JK

ACC NR: AP6015173 (A, N)

SOURCE CODE: UR/0346/65/000/011/0045/0046

AUTHOR: Kurbanov, I.A.

ORG: Institute of Virology im. D. I. Ivanovskiy /headed by Professor I. I. Terskikh/
(Institut virusologii)

TITLE: Virus-vector possibilities in the case of ornithosis of parrots

23
B

SOURCE: Veterinariya, no. 11, 1965, 45-46

TOPIC TAGS: mouse, animal disease, virus disease

ABSTRACT: After an outbreak of ornithosis among parrots of three varieties kept in common quarters with other birds, one apparently healthy parrot of each variety was examined. A suspension of lungs, liver, and spleen was injected intracerebrally into white mice. Once adapted to white mice, the virus was inoculated into a culture of chicken fibroblast cells for a study of the development and morphology of inclusions. It was found that the virus of ornithosis was isolated from the spleen of apparently healthy parrots and that healthy parrots could serve as vectors. The author concludes with recommendations for quarantine and treatment with antibiotics. [JPRS]

SUB CODE: 06 / SUEM DATE: none

Card 1/1 B LG

UDC: 619.616.988.73: 598.71

2

KURBANOV, I.I.

Approximate synthesis of linkages by the method of harmonic analysis. Teor. mash. i mekh. no.98/99:45-77 '64.

(MIRA 17:9)

KURBANOV, I.I.

Structural and metric synthesis of plane hinged mechanisms
by the harmonic analysis method. Izv. AN Uz. SSR. Ser. tekhn.
nauk 8 no.2:37-49 '64. (MIRA 17:6)

1. Tashkentskiy politekhnicheskiy institut.

KURBIMOV, I.I.

Programming of problems of harmonic analysis of nonintegratable
functions. Izv. AN Uz. SSR. Ser. tekhn. nauk 9 no.2:32-43 '65.
(MIRA 18:8)

1. Tashkentskiy politekhnicheskiy institut.