

1. RUBTSOV, A. F.
2. USSR (600)
4. Hexachloran
7. Isolation of hexachloran in forensic chemical investigations. Apt. delo no. 6 1952.

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

HUBTSOV, A.F.

Microcrystalline reaction for the detection of carbocholine. Apt. delo
8 no. 5:59-60 S-O '59. (MIRA 13:1)

1. Iz sudebnokhimicheskogo otdela (zav. - prof. M.D. Shvaykova) Nauchno-
issledovatel'skogo instituta sudebnoy meditsiny Ministerstva zdravookh-
raneniya SSSR.

(CHOLINE)

RUBTSOV, A.F.

At the All-Union Society of Medicolegal Experts and Criminologists.
Sud.-med. ekspert. 2 no.3:62-63 JI-S '59. (MIRA 13:4)
(MEDICAL JURISPRUDENCE)

RUBTSOV, A.F.; SHVAYKOVA, M.D., professor, zaveduyushchiy; PROZOROVSKIY, V.I., professor, direktor.

Rendering first aid upon swallowing metallic mercury and cinnabar; notes to the table of antidotes in the 8th edition of the National Pharmacopoeia of the U.S.S.R. Apt.delo 2 no.3:28-30 My-Je '53. (MLRA 6:6)

1. Sudebnokhimicheskiy otdel Instituta sudebnoy meditsiny Ministerstva zdravookhraneniya SSSR (for Rubtsov and Shvaykova). 2. Institut sudebnoy meditsiny Ministerstva zdravookhraneniya SSSR (for Prozorovskiy).
(Cinnabar) (Mercury--Toxicology) (Pharmacopoeias)

RAYKIN, A.L. (Moskva); RUBTSOV, A.F. (Moskva); PENIN, V.S. (Moskva)

Reliability of technological systems with regularly renewable
reserve. Izv. AN SSSR. Tekh. kib. no.4:13-18 J1-Ag '64.

(MIRA 17:12)

SHVAYKOVA, Mariya Dmitriyevna, prof.; RUHTSOV, A.F., red.

[Forensic chemistry; chemotoxicological analysis] Sud-
ebnaia khimiia; khimiko-toksikologicheskii analiz.

Izd.2. perer. Moskva, Meditsina, 1965. 289 p.
(MIRA 18:8)

PROZOROVSKIY, V.I., zasl. deyatel' nauki, prof., otv. red.;
BRONNIKOVA, M.A., prof., red.; GROMOV, L.I., prof., red.;
KANTER, E.I., st. nauchn. sotr., red.; KOLOSOVA, V.M.,
st. nauchn. sotr., red.; KUBITSKIY, Yu.M., prof., red.;
MITYAYEVA, N.A., st. nauchn. sotr., red.; RUBTSOV, A.F.,
st. nauchn. sotr., red.; SMOL'YANINOV, V.M., prof., red.

[Transactions of the Fourth All-Union Conference of Forensic
Medical Experts] Sbornik trudov chetvertoy Vsesoyuznoy kon-
ferentsii sudebnykh medikov. Riga, M-vo zdravookhraneniya
SSSR, 1962. 588 p. (MIRA 17:11)

1. Vsesoyuznaya konferentsiya sudebnykh medikov. 4th, 1962.
2. Nauchno-issledovatel'skiy institut sudebnoy meditsiny
Ministerstva zdravookhraneniya SSSR (for Gromov, Bronnikova,
Kanter, Mityayeva, Rubtsov).
3. Direktor Nauchno-issledova-
tel'skogo instituta sudebnoy meditsiny Ministerstva zravo-
okhraneniya SSSR (for Prozorovskiy).
4. Zamestitel' Predse-
datelya Uchenogo meditsinskogo soveta Ministerstva zravo-
okhraneniya RSFSR (for Smol'yaninov).

L 14039-65 EWT(1)/EEC(b)-2/EWA(h) Pm-4/Po-4/Pq-4/Pg-4/Peb/Pl-4 AFWL/ASD(d)/
 ACCESSION NR: AP4044818 ASD(a)-5/ESD(dp) S/0280/64/000/004/0013/0018

AUTHOR: Raykin, A. L. (Moscow); Rubtsov, A. F. (Moscow); Penin,
V. S. (Moscow)

TITLE: Reliability²⁵ of an engineering system with regularly re-
 storable reserve

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4,
 1964, 13-18

TOPIC TAGS: engineering system reliability, redundant system,
 regularly restorable reserve, hot reserve, cold reserve, double
 system

ABSTRACT: The reliability of a redundant system with a regularly
 restorable reserve at the end of an arbitrary interval of time $(0, t)$
 is sought as a function of the number $(m - 1)$ of units in the hot re-
 serve, of the number n of units in the cold reserve, and of the length
 of the interval of time t under the assumption that for every in-
 dividual unit in the hot reserve the distribution of nonfailure
 operation time is equal to $R_1 = e^{-\lambda t}$ and for every unit in the cold

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L 14039-65

ACCESSION NR: AP4044818

reserve the distribution is equal to $R_2 = e^{-\alpha t}$ ($0 \leq \alpha \leq 1$), where λ is a constant. A method is presented for deriving the reliability formula at the end of an arbitrary interval of time for a finite n . The case when $n \rightarrow \infty$ is also analyzed. A more detailed analysis is carried out for a two-unit redundant system ($m = 2$). The reliability formula and the mathematical expectation of the number of failures in time t for $m = 2$ are derived. Reliability values are calculated on electronic digital computers for the following sets of parameters: $m = 3, 4, 5$; $n = 1, 2, 3, 4, 5$; $\lambda t = .01, .03, .05, .1, .2, .3, .4, .5$. Reliability curves are plotted on the basis of the calculated results. Orig. art. has: 30 formulas.

ASSOCIATION: none

SUBMITTED: 03Jan64

ENCL: 00

SUB CODE: MA

NO REF SOV: 001

OTHER: 001

Card 2/2

RUBTSOV, A.I. (Yaroslavl'); ROMANOV, D.N., inzh. (Yaroslavl')

An enterprise of communist labor. Put' i putikhoz. 6
no.11:10-11 '62.

(Railroads—Ties)

(MIRA 16:1)

RUBTSOV, A.M.

Nurseries (Horticulture)

Valuable experience of a progressive nursery. Les i step', 1, No. 2, 1952.

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

BORODIN, Ivan Andreyevich, prof., doktor ekonom.nauk; ZAYTSEV, V.P., red.;
RUBTSOV, A.N., red.; BERLOV, A.P., tekhn.red.

[Development of grain economy in virgin land regions] Razvitie
zernovogo khoziasitva raionov tseliny. Moskva, Izd-vo "Znanie,"
1958. 63 p. (Vsesoiuznoe obshchestvo po rasprostraneniю poli-
ticheskikh i nauchnykh znaniy. Ser.3, nos.36/37) (MIRA 12:8)
(Grain) (Reclamation of land)

STOCHIK, G.F.; LAVROV, G.V., inzh., retsenzent; FEDOROV, N.Ye.,
retsenzent; FEYGEL'SHTEYN, P.L., retsenzent; BUBTSOV, A.N.,
inzh., red.; YEVSTAF'YEVA, N.P., red.izd-va; UVAROVA, A.F.,
tekhn. red.

[Protective coatings used in the machinery industry] Zashchit-
nye pokrytiia v mashinostroenii. Moskva, Mashgiz, 1963. 287 p.
(MIRA 16:5)

(Machinery industry) (Protective coatings)

RUSSOV, N. N.

"General Questions on the History of Meteorology," Meteorology and Hydrology, Vol. 2, 1949.

L 5301-66

ACC NR: AP5026200

SOURCE CODE: UR/0142/65/008/004/0478/0481

AUTHOR: Volkov, V. M.; Rubtsov, A. T.

ORG: none

TITLE: Analysis of a transistorized resonant amplifier operating in a wide dynamic range

SOURCE: IVUZ. Radiotekhnika, v. 8, no. 4, 1965, 478-481

TOPIC TAGS: resonant amplifier, transistorized amplifier

ABSTRACT: An amplifier circuit is suggested in which AGC depends on the d-c component of the emitter current and on the nonlinearity of transistor characteristics. Accordingly, the AGC resistor, in a common-emitter or common-base circuit, is shunted by a capacitor which passes the r-f component and impedes the slow-varying component of the emitter current. Approximate formulas are developed for designing such an amplifier. They were verified experimentally on a P411-transistor amplifier operating at a resonance frequency of 26 Mc with $\Delta F = 3$ Mc and an equivalent circuit resistance of 1 kohm. The new method is intended for analytical design of amplitude characteristics of the transistorized resonant amplifiers,

Card 1/2

UDC: 621.375.126:621.382.3

09011812

L 6301-66

200

ACC NR: AP5026100

transistorized detectors supplying an emitter-circuit load, and some multistage logarithmic amplifiers. Orig. art. has: 3 figures and 14 formulas.

SUB CODE: EC/ SUBM DATE: 23Jan64/ ORIG REF: 003/ OTH REF: 000

Card 2/2

pl.

RUBTSOV, B. A.

Rubtsov, B. A. - "Investigation of the Process and Mechanisms of Interweaving Threads on the Semiautomatic SSM-17." Min Higher Education USSR. Moscow Technological Inst of Light Industry imeni L. M. Kaganovich. Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

RUBTSOV, B. K.

Ob izpol'zovanii spetsialistov na zheleznodorozhnom transport. [On the use of
specialists on the railroads] (Sots. transport, 1934, no. 3, p. 74-81).

DLC: HE7.S6

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

RUBTSOV, D.M.

Gleyey-slightly Podzolic soils; taiga lytogenic gleyey-Podzolic
soils. Pochvovedenie no.7:28-33 J1 '64. (MIRA 17:8)

1. Institut biologii Komi filiala AN SSSR.

RUBTSOV, D.M.

Soil and geomorphological regions of the northwestern part of
the Komi A.S.S.R. Izv. Komi fil. Geog. ob-va SSSR no.9:23-27
'64. (MIRA 18:5)

RUBTSOV, D.M.

Podzolic bog soils. Pochvovedenie no.7:20-31 '60.
(MIRA 13:7)

1. Komi filial AN SSSR.
(Komi A.S.S.R.--Podzol)

RUBTSOV, D. M. Cand Agr Sci -- "Soils of the Timan ^{Region} (within the boundaries of Udorskiy Administrative ~~Region~~ of the Komi ASSR)." Syktyvkar, 1961 (Acad Sci USSR. Soil Inst im V. V. Dokuchayev). (KL, 4-61, 205)

295
~~295~~

BELYAYEV, Sergey Vasil'yevich; ZABOYEVA, Iya Vasil'yevna; POFOV,
Vyacheslav Aleksandrovich; RUBTSOV, Dmitriy Mikhaylovich;
IVANOVA, Ye.N., doktor sel'khoz. nauk, prof., otv. red.

[Soils of the Pechora Industrial Region] Pochvy Pechorskogo
promyshlennogo raiona. [By] S.V.Beliaev i dr. Moskva,
Nauka, 1965. 110 p. (MIRA 18:3)

VODENIKOV, Yu.A.; RUBTSOV, F.Ye.; TUSHEZ, G.N.

Correcting casting defects by epoxy resins. Lit. proizv. no.10:

43 0 '63.

(MIRA 16:12)

RUETSOV, G.
YAKUBANETS, S.; RUETSOV, G.; BAL'NOV, M.; SHISHKIN, R.

Prestressed reinforced concrete large-span frames in Stalingrad and
Stalinsk. Stroitel' no.3:2-5 Mr '58. (MIRA 11:2)

1. Glavnyy inzhener tresta Stalingradmetallurgstroy (for Yakubanets).
 2. Glavnyy tekhnolog tresta Stalingradmetallurgstroy. (for Rubtsov).
 3. Glavnyy inzhener tresta Kuznetskiyazhstroy (for Bal'nov). 4. Glavnyy inzhener proyekta (for Shishkin)
- (Stalingrad--Precast concrete) (Stalinsk--Precast concrete)

RUBTSOV, G. A.

Mbr., All-Union Inst. Plant Industry, Leningrad, -1939-41-.

"Polymorphismus and Centers of Formation of Pyrus Species in the USSR," Dok. AN, 24, No. 1, 1939;

"Origin and Evolution of the Cultivated Pear," ibid., 28, No. 4, 1940;

"Ontogeny, Age Modifications and Anomalies in the Development of the Pear," ibid., 30, No. 1, 1941.

MORILOV, A.A.; RUBTSOV, G.K.; SYROMYATNIKOV, N.I.

Method of drying salts in gas flow with recycling of materials.
Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no.1:160-162 '63.

(MIRA 16:6)

1. Ural'skiy politekhnicheskii institut imeni Kirova, kafedra
teoreticheskikh osnov teplotekhniki.
(Salts--Drying) (Gas flow)

RYSAKOV, N.F., dotsent; RUBTSOV, G.K., inzh.

Problem of the use of Bashkiria coal for power engineering purposes. Izv.vys.ucheb.zav.; energ. 2 no.12:77-84 D '59.
(MIRA 13:5)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.
Predstavlena kafedroy promteploenergetiki.
(Bashkiria---Coal) (Power engineering)

YAKUBANETS, S.; RUBTSOV, G.

Progressive methods of building an aluminum plant. Na stroi.Ros.
no.3:11-14 Mr '61. (MIRA 14:6)

1. Upravlyayushchiy trestom Stalingradmetallurgstroy (for Yakubanets).
2. Glavnyy tekhnolog tresta Stalingradmetallurgstroy (for Rubtsov).

(Stalingrad—Metallurgical plants)
(Precast concrete construction)

RUBTSOV, G.K.; NOSOV, V.S.; SYROMYATNIKOV, N.I.

Rapid heating of electrical steel in a fluidized bed.
Metalloved. i term. obr. met. no. 6:40-42 Je '64.

1. Ural'skiy politekhnicheskiy institut.

RUBTSOV, G.K. (Sverdlovsk); SYRCHAYNIKOV, N.I. (Sverdlovsk).

Investigating the combustion of gas in a fluidized bed as applicable to heating furnaces. Izv. AN SSSR Met. i gor. delo no.2:69-74 Mr-Ap'64 (MIRA 17:8)

RUBTSCV, G.K., inzh.; SYROMYATNIKOV, N.I., doktor tekhn.nauk, prof.

Degree of blackness and calculational radiation surface in a fluidized bed. Izv. vys. ucheb. zav.; energ. 6 no.5:118-122 My '63.

(MIRA 16:7)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.
Predstavlena kafedroy teoreticheskikh osnov teplotekhniki.
(Fluidization)

RUBTSOV, G.K., inzh.

Role of secondary reactions in the process of thermal decomposition
of Bashkirian lignite. Trudy Ural. politekh. inst. no.108:57-65
'61. (MIRA 16:9)

RUBTSOV, G.K.; SYROMYATNIKOV, N.I.

A fluidized bed as an intermediate heat carrier during metal heating. Izv. vys. ucheb. zav.; Chern. met. 7 no.3:212-217 '64. (MIRA 17:4)

1. Ural'skiy politekhnicheskiy institut.

SYROMYATNIKOV, N. I.; VASANOVA, L. K.; RUTSOV, G. K.; SHIDMANEKIY, Yu. N.

"Problems of heat transfer in a fluidized bed."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12
May 1964.

Ural' Polytechnic Inst.

RUBTSOV, G.E.; SYROMYATNIKOV, N.I.

Combustion of an air-gas mixture in a "fluidized bed." Gaz.
prom. 8 no.9:14-17 S '63. (MIRA 17:8)

BASKAKOV, A.P.; RYSAKOV, N.F.; LEVIN, I.S.; RUBTSOV, G.K.

Thermal decomposition of brown coal at different heating rates.
Gaz.prom. 5 no.6:15-19 Je '60. (MIRA 13:6)
(Coal gasification)

CHERNYAKHOVSKIY, R.A., inzh.; RUBTSOV, G.S., inzh.

Experience with a sheet of aluminum for the roof of industrial
buildings. Prom.stroi. 40 no.8:25-27 '62. (MIRA 15:11)
(Aluminum, Structural) (Roofing)

CHERNYAKHOVSKIY, R.A.; RUBTSOV, G.S.

Construction of a factory for the manufacture of anode material
used in an aluminum plant. Prom. stroi. 40 no.8:4-6 Ag '63.
(MIRA 16:8)

(Volgograd--Aluminum plants)
(Electrolysis--Equipment and supplies)

RUBISOV, G. V.

PHASE I BOOK EXPLOITATION

SOV/4706

Akademiya nauk SSSR. Institut elektromekhaniki

Sbornik rabot po voprosam elektromekhaniki, vyp. 4: Elektricheskiye mashiny, elektricheskiy privod, elektricheskaya tyaga na peremennom toke, avtomatizirovannyi elektroprivod teleskopov, avtomaticheskoye regulirovaniye i pribory (Collection of Works on Problems in Electromechanics, No. 4: Electric Machines, Electric Drive, A-C Electric Traction, Automated Electric Drive of Telescopes, Automatic Regulation and Instruments) Moscow, 1960. 282 p. 5,500 copies printed.

Resp. Ed.: V. V. Sidel'nikov; Ed. of Publishing House: I. V. Suvorov; Tech. Ed.: R. A. Zamarayeva.

PURPOSE: This collection of works is intended for specialists in electromechanics.

COVERAGE: The collection contains 28 works divided into three sections: 1) Electric Machines, 2) Electric Drive and Electric Traction; 3) Automated Electric Drive, and Automatic Regulation and Instruments. No personalities are mentioned. References accompany most of the articles.

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Collection of Works on Problems (Cont.)

SOV/4706

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ELECTRIC MACHINES

Anempodistov, V. P., and N. N. Anempodistova. Investigation of the Internal Water Cooling Using a Model of a Turbogenerator Stator Winding Rod	3
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MORILOV, A.A.; RUBTSOV, G.K.; SYROMYATNIKOV, N.I.; BASKAKOV, A.P.

Drying and dehydration of salts in a fluidized bed with
the recycling of materials. Khim.prom. no.11:809-810
N '62. (MIRA 16:2)

1. Ural'skiy politekhnicheskii institut imeni S.M. Kirova
i Ural'skiy filial AN SSSR.

(Salts--Drying)
(Fluidization)

VOLKOVA, Ye.A.; KAZOVSKIY, Ye.Ya., doktor tekhn. nauk; RUBISOV, G.V.;
SAFAROV, G.M.; SUKHANOV, L.A.

Calculation of the transient processes of synchronous machines in
faulty operation by using electronic digital computers. Elektro-
tekhnika 35 no.7:11-15 '64.

(MIRA 17:11)

RUBTSOV, I.

Regional committee of the All-Union Volunteer Society for Assistance to the Army, Air Force and Navy discusses the article "Those who left the track." Za rul. 21 no.4:5 Ap '63. (MIRA 16:5)

1. Predsedatel' Dnepropetrovskogo oblastnogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu.
(Motor vehicles--Societies, etc.)

SAVICHEV, A., podpolkovnik; NOVKOV, M., inzhener-podpolkovnik; SMIRNOV,
V., polkovnik; RUBTSOV, I., podpolkovnik

Readers talk about books. Voen.vest. 42 no.5:126-127 My '62.
(MIRA 15:11)

(Bibliography--Military art and science)

RUBTSOV, I.A.

Biological control of injurious insects. Izv. AN SSSR. Ser.
biol. no.4:558-576 J1-Ag '59. (MIRA 12:9)

1. Institute of Zoology, Academy of Sciences of the U.S.S.R.,
Leningrad.

(INSECTS, INJURIOUS AND BENEFICIAL--BIOLOGICAL CONTROL)

RUBTSOV, I.A.

Gynandromorphism and sex intergrade in black flies (fam. simuliidae, Diptera) [with summary in English]. Zool. zhur. 37 no.3:458-461 Mr '58. (MIRA 11:4)

1. Zoologicheskii institut AN SSSR, Leningrad.
(Black flies) (Sex (Biology))

RUBTSOV, I.A.

Some results achieved and outlook for the introduction and acclimatization of entomophages. Zool. zhur. 40 no.5:637-650 '61.
(MIRA 14:5)

1. Zoological Institute, U.S.S.R. Academy of Science, Leningrad.
(Insects, Injurious and beneficial--Biological control)

RODENDORF, B.B.; RUBTSOV, I.A.

Reviews. Zool.zhur. 44 no.8:1276-1285 '65.

(MIRA 18:11)

RUBTSOV, I.A.

Early spring and winter fauna of blackflies. Zool.zhur.
44 no.10:1485-1496 '65.

(MIRA 18:11)

1. Zoologicheskii institut AN SSSR, Leningrad.

БЕЛЕНКО, И. А.

1939. К эволюции абелуфичных оводов (Gastrophilidae) в связи с историей
их хозяйств. зool. журн., т. 18, вып. 4.

RUBTSOV, I. A.

I. A. Rubtsov: "The value of ecologo-geographic factors in the theory and practice of the biological method of combatting pests." (p. 209)

SO: Journal of General Biology Vol. 7, No. 3, 1944

RUBTSOV, I. A.

I. A. Rubtsov: "Julian Huxley, Evolution. London. 3-d edition 1944." (p. 307)
Review.

SO: Journal of General Biology Vol. 7, No. 4, 1944

RUBTSOV, I. A.

"I. A. Rubtsov: Irregularity in the Tempo of Evolution." Received on April 13, 1945.
(p. 411)

SO: Journal of General Biology, Vol. VI, contents of the issues 1-6, for 1945. No. 6

PA 52T66

RUBTSOV, I. A.

USSR/Medicine - Insects
Medicine - Taxonomy

Mar 1945

"On Two Species of the Family Phasliidae (Diptera)
Parasitic on Eurygaster Griceps Put. (Hemiptera),"
I. A. Rubtsov, Inst Zool, Acad Sci USSR, Leningrad,
16 pp

"Entomologicheskoye Obozreniye" Vol XXVIII, No 3/4

Gives morphological description and new data on
biology of *Alophora subcoleoptrata* L. and *Anantha*
lateralis Mg., which are parasitic on *Eurygaster*
integriceps Put., the most injurious pest of the
grain crop in Middle Asia.

IC

52T66

RUBTSOV, Prof. I. A.

Kbr., Inst. Zoology, Dept. Biol. Sci., Acad. Sci., -1945-48.

"On Two Species of the Family Phasiidae (Diptera) Parasitic on Eurygaster Griceps Put. (Hemiptera)," Entomologicheskoye Obozreniye, 28, Nos. 3-4, 1945;

"Historical Factors in the Dynamics of the Number of Organisms," Zhur. Obshch. Biol., 8, No. 3, 1947; "New Effective Biological Agents for Combatting Aspidiotus Perniciosus," Priroda, No. 2, 1947;

"New Developments in the Control of Malaria Mosquitoes," ibid, No. 3, 1948;

"The Appearance of a Type of House Fly Resistant to DDT as a Result of a 3-year Application of the Insecticide," ibid., No. 4, 1948;

"Morphological Significance of External Sex Appendages of the 'Diptera'," Dok. AN, 60, No. 9, 1948; "Cohabitation of Larva and Pupa Gnats with May Flies," ibid., No. 10, 1948;

"New Data on the Hibernation of Gnats (Simuliidae, Diptera)," Ibid., 66, No. 3, 1949;

"New Effective Entomophages against Scale Insects," Priroda, No. 10, 1949.

USSR / Zooparasitology. Mites and Insects as Disease Vectors. G

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 53030

Author : Rubtsov, I. A.

Inst : Not given

Title : Nutrition and Bloodsucking Facultativity of Midges (Diptera, Simuliidae).

Orig Pub : Entomol. obozreniye, 1956, 35, No. 4, 731-751.

Abstract : Midge larvae are filtrators, feeding chiefly on vegetative microorganisms. A note is made of features in the structure of the mouth apparatus in larvae of species whose females feed on plants. The plant-feeding forms are developed chiefly in springs; the bloodsucking ones in large rivers. However, the development of both forms is possible in the same reservoirs. The study of the contents of intestines and crops of midges, as well as observations in nature and in the laboratory, confirm the double character of the

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USSR / Zooparasitology: Mites and Insects as Disease Vectors.

G

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 53030

nutrition of bloodsucking female midges. Historically, the double character of nutrition is characteristic of all blood-sucking species of midges: the obligatory main vegetative nutrition and a supplementary one, most frequently facultative, by blood of warm-blooded animals or human blood. Activity in search of blood occurs in relation to the depletion of the female's nutritive reserves and with the impossibility of even partial completion of the gonotrophic cycle without the additional feeding by blood. Besides, the bloodsucking species, among the midges there exist also plant-feeding ones, with mouth organs of the non-blood-sucking type (as well as intermediary forms between them). However, many authentic bloodsuckers do not always attack their prey. Many years of observation conducted in different zones of the USSR show that of the total midge species developing in different reservoirs in a given locality, only

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USSR / Zooparasitology. Mites and Insects as Disease Vectors.

G

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 53030

a few attack humans and other mammals. The severity of attack by the same type of midges is irregular, depending on conditions of larvae development, and may change from year to year. Unfavorable conditions in development of the water phases are usually accompanied by the need of supplementary blood nutrition and an increased activity of attacks by females. When the larva develops in conditions favorable for accumulating reserves, the females show a limited need for bloodsucking, or do not need it at all. The application of the term "gonotrophic cycle" for midges is discussed. The scheme suggested by the author for the gonotrophic cycle of midges encompasses not only the period of follicle ripening in the female after bloodsucking (or other supplemental nutrition); it includes also the early periods of oogenesis development, the period of follicle formation,

Card 3/4

USSR / Zooparasitology. Mites and Insects as Disease Vectors. G

Abs Jour : Ref Zhur = Biol., No 12, 1958, No 53030

formation of sexual organs, and the accumulation of a fatty body in the pre-imaginal stages of midges, as well as the period of incipient formation of ovaries in the imago, etc. Three basic variants of midge gonotrophic cycles are considered. -- N. Ya. Markovich.

Card 4/4

RUBTSOV, I. A.

PA 34T60

USSR/Medicine - Insects
Medicine - Agriculture

Mar 1947

"New Effective Biological Agents for Combatting Aspidiotus Perniciosus," Prof I. A. Rubtsov, 2 pp

"Priroda" No 2

On the shores of the Black Sea a carnivorous beetle has been discovered which has proven to be a very effective counteragent of Aspidiotus perniciosus. Briefly describes the history of this pest, how it was brought over to Russia, and some of the countermeasures which had been attempted before this new discovery.

ID

34T60

USSR/Medicine - Biology
Medicine - Biology

May/Jun 1947

"Historical Factors in the Dynamics of the Number of
Organisms," I. A. Rubtsov, 21 pp

"Zhur Obshchey Biologii" Vol VIII, No 3

The causes and conditions determining the abundance
of a species are ascribed by some authors to environ-
ment and by others to spontaneous internal changes of
the organism affecting its nature. These theories
fail to explain the fundamental fact that some species
are abundant while others are not, as well as the fact
that abundant species are comparatively rare, and
source cases predominate, especially in moderate lati-
tudes. An exhaustive explanation of these facts can
be given only from the historical point of view. The
coincidence of the changes of conditions of life with
the ecologic requirements of the species is the main
factor determining the rise of abundance of a species
in the course of its historical development.

LC

29767

RUBTSOV, I. A.

RUBTSOV, IV. A

USSR/Medicine - Malaria, Prevention
Medicine - Mosquitoes, Eradication

Mar 1948

"New Developments in the Control of Malaria Mosquitoes," Prof Iv. A. Rubtsov, 1 p

"Priroda" No 3

Eyewitness account of successful malaria control in Pontine Marshes of Italy by spraying dwellings with DDT. Describes visit to central malaria station at Latina. Recommends method for adoption in USSR.

77R81

RUBTSOV, I.

USSR/Medicine - Flies

Apr 1948

Medicine - Insecticides

"The Appearance of a Type of House Fly Resistant to DDT as a Result of a 3-Year Application of the Insecticide," Prof I. Rubtsov, 2 pp

"Pirroda" No 4

Rubtsov has discussed this problem in Rome with Prof Masirol of Istituto Superiore Sanita. In 1944, an isolated farm was cleared of flies by spraying with kerosene and 5% DDT. The following year, however, occasional flies were noticed; these were dealt with as previously, but destruction was not so complete as

78n60

USSR/Medicine - Flies (Contd)

Apr 1948

before. In 1946 there were far more flies than in 1945, and of a type resistant to DDT. Problem of their control is still unsolved. Rubtsov comments on rapid operation of natural selection.

78n60

RUBTSOV, I. A., PROF.

USSR/Biology - Insect Control

Oct 49

"New Effective Entomophages for Use Against Scale Insects," Prof I. A. Rubtsov

"Priroda" No 10, pp 74, 75

Discusses results of introducing entomophages (insectivores) from Italy in 1947 to control scale insects which destroy subtropical crops. Found *Lindorus lophanthae* to be most effective in controlling subject insects destructive to date palms, tung and citrus trees in vicinity of Black Sea.

212T2

RUBTSOV, I. A.

FA 52/49T61

USSR/Medicine - Gnats
Medicine - Zoology

May 49

"New Data on the Hibernation of Gnats (Simuliidae, Diptera)," I. A. Rubtsov, Zool Inst, 3 pp

"Dok Ak Nauk SSSR" Vol LXVI, No 3

Data collected show that hibernation of most, if not all types of gnats, occurs in the egg, and not in the larval stage. Eggs hibernate in water. Further study is required to localize hibernating eggs in bodies of water. Submitted by Acad Ye. N. Pavlovskiy, 26 Mar 49.

52/49T61

RUBTSOV, I. A.

"Advances in the Biological Method of Control, and Problems of the Reconstitution of Fauna." (p. 321) By Rubtsov, I. A.

SO: Progress of Contemporary Biology, Vol. XXX, No. 3 (6), November-December, 1950.

RUBTSOV, I. A.

Diptera

Classification of midges (Simuliidae, Diptera) of Central Asia. Trudy Zool. inst.
AN SSSR., 9, No. 3, 1951

9. Monthly List of Russian Accessions, Library of Congress, March 1952, Uncl.

RUBTSOV, I. A.

Diptera

Biology and ecology of dipterous insects (Simuliidae) of Central Asia. Paraz. sbor.
no. 13, 1951.

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

RUBTSOV, I. A.

Scale insects

Aphytis chrysomphali Mercet, the parasite of red scale. Ent. ob. 31, No. 3,4 1951

Monthly List of Russian Accessions. Library of Congress, September 1952. Unclass.

1. RUBTSOV, I. A.
2. USSR (600)
4. Flies
7. Morphology and evolution of the abdomen and genitalia of the Phasiids (Diptera, phasiidae S. L.). Trudy Vses. ent. obshch. 43 1951.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

1. RUBTSOV I.A.
2. USSR (600)
4. Ural River Valley-Diptera
7. Bloodsucking gnats of the Ural River bottom land, Trudy. Zool. inst. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

RUBTSOV, I.A.; TERTERYAN, A.Ye.

Little known and new species of midges (Diptera, Simuliidae) from
the Armenian S.S.R. Dokl. AN Arm. SSR. 15 no.2:57-64 '52.
(MLRA 9:10)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR. Predstav-
leno V.O. Gulkanyanov.
(Armenia--Black flies)

RUBTSOV, I.A.

Scale Insects

Directed variability in relation to feeding specialization of the willow scale. Zool. zhur. 31 no. 2, 1952.

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

RUBTSOV, I.A.

Lindor (*Lindorus lophanthæ* Bleid.) is an effective destroyer of diaspidine scale insects. Ent.oboz. 32:96-106 '52. (MLRA 7:1)

1. Zoologicheskii institut Akademii nauk SSSR, Leningrad.
(Beetles)

RUBTSOV, I. A.

"The Origin and Inheritance of Alimentary Reactions Acquired During Ontogenesis in Insects." (p. 29) by Rubtsov, I. A. (Leningrad).

SC: Progress of Contemporary Biology (Uspekhi Sovremennoi Biologii) Vol. XXIV, No. 1 (4), July-August, 1952.

RUBTSOV, I.A.

Eucomys - an effective parasite of the soft pseudo scale insect
Coccus hesperidum. Trudy Zool.inst. 13:352-362 '53. (MLRA 7:5)
(Parasites--Scale insects) (Chalcid flies)

RUBTSOV, I.A.

Conditions of mass propagation of insects (influence of parasites and predators on the quantitative fluctuations of hosts). Zool.zhur. 32 no. 3:321-327 My-Je '53. (MLBA 6:6)

1. Zoologicheskii institut Akademii nauk SSSR.
(Zoology--Ecology) (Insects, Injurious and beneficial)

RUBTSOV, I.A.

(Review)

"Abstracts of the papers read at the symposia during the 9th International Congress of Entomology" [in English]. Reviewed by I.A. Rubtsov. Ent.oboz. 33:389-391 '53. (MLRA 7:5)
(Insects)

1. RUBTSOV, I. A.
2. USSR (600)
4. Insects - China
7. Entomological science in China, Priroda, 42, no. 4, 1953.

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

RUBTSOV, I.A.

~~RUBTSOV, I.A.~~

[Black flies of the European part of the U.S.S.R. and ways of combating them] Moshki Evropeiskoi chasti SSSR i mery bor'by s nimi. Moskva, Akad. nauk SSSR, 1954. 88 p. (MIRA 8:3D)

RUBTSOV, I. A.

Vrediteli tsitrusovykh i ikh ostestvennye vragi (Citrus fruit pests and their natural enemies). Moskva-Leningrad, Akad. nauk SSSR, 1954. 260 p. (Akad. nauk SSSR. Vsesoiuz. entomol. o-vo. Nauch. - popul. ser. no. 2)

SO: Monthly List of Russian Accessions, Vol. 7, No. 7, Oct. 1954.

RUBTSOV, I.A.; TERTERYAN, A.Ye.

New species of gnat (Simuliidae, Diptera) found in southeastern Armenia.
Dokl. AN Arm. SSR 19 no.1:29-32 '54. (MIRA 8:7)

1. Predstavleno G.Kh. Bunyatyanom. (Armenia—Simuliidae)

SHCHEGOLEV, V.N., professor, doktor sel'skokhozyaystvennykh nauk,
redaktor; BERIN, N.G.; BEY-BIYENKO, G.Ya.; BRYANTSEV, B.A.;
BRYANTSEVA, I.B.; VOLGIN, V.I.; DANILEVSKIY, M.S.; ZIMIN, L.S.
OSMOLOVSKIY, G.Ye., redaktor; RUBTSOV, I.A.; SHEVCHENKO, M.I.;
SHCHEGOLEV, V.N.; YATSENKO, I.P.; SILAIEV, A.G., redaktor;
GODOLAGINA, S.D., tekhnicheskiy redaktor.

[Entomologist's dictionary manual] Slovar'-spravochnik
entomologa. Moskva, Gos.izd-vo selkhoz.lit-ry, 1955. 451 p.
(Entomology--Dictionaries) (MLRA 8:10)

RUBTSOV, I.A.

New species of black flies from Transcaucasia. Trudy Inst.zool.AN
Azerb.SSR 18:109-129 '55.

(MIRA 9:7)

(Transcaucasia--Black flies)

RUBTSOV, I.A.

New unusual gnat species (Diptera, Simuliidae) from Eastern
Siberia. Ent.oboz. 34:323-339 '55. (MLBA 9:5)

1. Zoologicheskiy institut Akademii nauk SSSR, Leningrad.
(Siberia, Eastern--Black flies)

RUBTSOV, I.A.; PAVLOVSKIY, Ye.N., akademik, glavnyy redaktor; IVANOV, A.I., redaktor; KRYZHANOVSKIY, O.L., redaktor; MONCHADSKIY, A.S., redaktor; STRELKOV, A.A., redaktor; SHTAKEL'BERG, A.A., redaktor; TVERITINOVA, K.S., tekhnicheskii redaktor

[Methods of studying black flies] Metody izucheniia moshek. Moskva, Izd-vo Akademii nauk SSSR, 1956. 54 p. (V pomoshch' rabotaiushchim po zoologii v pole i v laboratorii, 4) (MLRA 9:10)
(Black flies)

RUBTSOV, I. A.,

"Fauna of the USSR: Family Simuliidae, Tom VI No 6," 1956. 850 pp.

Eval: A 3104902, 14 May 1958

RUBTSOV, I.A.; PAVLOVSKIY, Ye.N., akademik, glavnyy redaktor; BYKHOVSKIY, B.Ie.N., redaktor; VINOGRADOV, B.S., redaktor; SHTAKEL'BERG, A.A., redaktor; STRELKOV, A.A., redaktor toma.

[Black flies (fam. Simuliidae)] Moshki (sem. Simuliidae). Moskva, Izd-vo Akademii nauk SSSR, 1956. 859 p. (Fauna SSSR, vol. 6, no. 6)
(Black flies) (MLRA 9:12)

HUBTSOV, I.A.

Nutrition and facultative nature of bloodsucking in black flies
(Diptera, Simuliidae) [with summary in English]. Ent.oboz.35
no.4:731-751 '56. (MLRA 10:2)

1. Zoologicheskiy institut Akademii nauk SSSR, Leningrad.
(Black flies)

RUBTSOV, I.A.

"Biology of the Diptera" [in French] by F.Séguy (from "Encycl.Entom.,"
vol.26, 1950). Reviewed by I.A.Rubtsov. Ent.oboz.35 no.4:964-966 '56.
(Diptera) (Séguy, F.) (MLRA 10:2)

RUBTSOV, I.A.

"The blackflies of New York State" [in English] by A.Stone and H.A.
Jannback (from "New York State Museum Bull.," no.349, 1955). Reviewed
by I.A.Rubtsov. Ent.oboz.35 no.4:966-967 '56. (MLA 10:2)
(New York (State)--Black flies) (Stone, A.)
(Jannback, H.A.)

RUBTSOV, I.A.

"The control of black flies (Diptera: Simuliidae) in New York"
[in English] by H. Jamnback and D.L. Collins. Reviewed by I.A.
Ruttsov. Zool.zhur.35 no.12:1912-1913 D '56. (MLRA 10:1)
(New York (State))--(Black flies) (Insecticides)

RUBTSOV, I.A.
RUBTSOV, I.A.

Conference on the biological control of pests. Izv. AN SSSR. Ser. biol.
no. 6: 770-772 N-D '57. (MIRA 10:12)
(INSECTS, INJURIOUS AND BENEFICIAL--BIOLOGICAL CONTROL)

Re: Biol. Sci.

AUTHOR RUETSOV, I.A., Doctor of Chem. Sc. 30-7-29/36

TITLE Biological Methods for Combating Plant Pests.
(Biologicheskiye metody bor'by s vreditelyami rasteniy-Russian)

PERIODICAL Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 7, pp 106-108 (U.S.S.R.)

ABSTRACT It is known that since more than 15 years the biological combating methods have been further developed in Canada and the USA. The Institute for Zoology and the Association for Entomology of the Soviet Union held a consultation in which the above-mentioned facts were discussed. The meeting was opened by the director of the Institute, Prof. Pavlov, member of the Academy. The majority of the speakers dealt with the biological combating methods suitable for the USA. In the first place the use of entomophagi would be useful for combating the greatest pests of the forest-the Siberian and the pine hawk-moth. The dangerous increase of these pests has to be attributed to the disappearance of their natural exterminators. Several speakers treated the combating of pests in subtropical regions. Considerable success had been achieved there by means of acclimatisation and introduction as well as by the breeding of foreign entomophagi. A Polish scientist talked on the prospects of the biological combating of pests in agriculture.

ASSOCIATION Not Given.

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Card 1/1

RUBTSOV, I.A.

Biological principles of black fly control [with summary in English].
Zool.zhur. 36 no.3:373-395 Mr '57. (MLRA 10:5)

1.Zoologicheskii institut AN SSSR.
(Black flies)

RUBTSOV, Iv.

"Endosymbiosis between animals and vegetable micro-organisms"
[in German] by P. Buchner. Reviewed by Iv. Rubtsov. Ent. oboz.
36 no.4:951-955 '57. (MLRA 10:9)

(Symbiosis)
(Buchner, P.)

RUBTSOV, I.A.

Criteria of species in black flies (family Simuliidae, Diptera)
[with summary in English], Zool. zhur. 36 no.6:801-819 Je '57.

(MLRA 10:8)

1. Zoologicheskii institut AN SSSR.
(Black flies)

RUBTSOV, I.A. . .

Conference on the Biological Control of Injurious Insects,
Mar.19-21, 1957. Zool.zhur. 36 no.10:1593-1594 O '57. (MIRA 10:11)
(Insects, Injurious and beneficial--Biological control)

RUBTSOV, I.A., professor.

Biological method of pest control. Priroda 46, no. 9:23-30 3 '57.
(MLBA 10:8)

1. Zoologicheskii institut Akademii nauk SSSR, Leningrad.
(Agricultural pests)
(Insects, Injurious and beneficial--Biological control)