



Office of the City Manager

CONSENT CALENDAR

December 5, 2006

To: Honorable Mayor and
Members of the City Council

From: *PK* Phil Kamlarz, City Manager

Submitted by: Sherry M. Kelly, City Clerk

Subject: Appointment to Alameda County Mosquito Abatement District

RECOMMENDATION

Adopt a Resolution reappointing Dr. Jan Washburn to the Board of Trustees of the Alameda County Abatement District for a two-year term commencing on January 2, 2007 and ending on January 1, 2009.

FISCAL IMPACTS OF RECOMMENDATION

None for the City of Berkeley. Trustees receive a stipend of \$100 per month paid for by the Alameda County Mosquito Abatement District.

CURRENT SITUATION AND ITS EFFECTS

The Alameda County Mosquito Abatement District has notified the City that Dr. Jan Washburn's term will expire on January 1, 2007. The City Council should make an appointment to the Board to ensure continued representation of the City on the District Board.

BACKGROUND

Dr. Washburn has served on the Board since 1993 and currently serves as a member of the West Nile Virus Committee. The Board of the Alameda Mosquito Abatement District has recommended that the Council reappoint Dr. Washburn for another two-year term. Dr. Washburn's curriculum vitae is attached.

RATIONALE FOR RECOMMENDATION

Dr. Washburn's active participation and professional expertise in the field of entomology continues to be a great asset to the District.

CONTACT PERSON

Sherry M. Kelly, City Clerk, 981-6900

Attachments:

- 1: Resolution
2. Letter, Alameda County Mosquito Abatement District
3. Curriculum Vitae

RESOLUTION NO. ##,###-N.S.

REAPPOINTING DR. JAN WASHBURN AS THE CITY OF BERKELEY'S
REPRESENTATIVE TO THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

WHEREAS, Dr. Jan Washburn has served on the Board of Trustees of the Alameda County Mosquito Abatement District since 1993; and

WHEREAS, Dr. Washburn participates actively and his professional expertise in the field of entomology continues to be a great asset to the District.

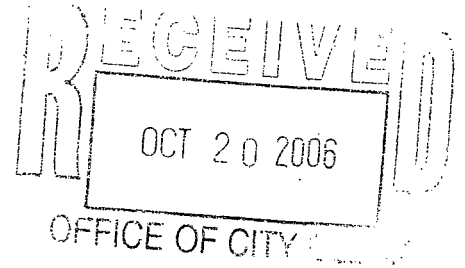
NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that Dr. Jan Washburn is hereby reappointed as the City of Berkeley's representative to the Alameda County Mosquito Abatement District for the term commencing on January 2, 2007 ending January 1, 2009.

Alameda County Mosquito Abatement District

BOARD OF TRUSTEES

Ronald E. Quinn, President
Dennis Bray, Vice-President
James Kohnen, Secretary
Edgar I. Centeno
James N. Doggett
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William M. Spinola
Jan O. Washburn

John R. Rusmisl
District Manager
acmaia.mosquitoes.org



October 17, 2006

Mayor Tom Bates
2180 Milvia Street
Berkeley, CA 94704

Dear Mayor Bates:

The Board of Trustees of the Alameda County Mosquito Abatement District instructed me at their meeting of October 11th to notify you that the term of office of Dr. Jan Washburn, as trustee of this District, will expire on January 1, 2007. We respectfully request an appointment be made for a two-year term of trustee of this District representing the City of Berkeley.

Dr. Washburn has served on our Board since 1993. His active participation and professional expertise in the field of entomology continues to be a great asset to the District. Jan currently serves as a member of the West Nile Virus Committee.

We shall appreciate your sending us a certified copy of your resolution appointing your trustee to our Board for the term ending January 1, 2009.

Sincerely,

A handwritten signature in cursive script that reads "John R. Rusmisl".

John R. Rusmisl
District Manager

cc: Jan Washburn
Sherry M. Kelly

CURRICULUM VITAE

JAN O. WASHBURN

EDUCATION

1984 - PhD, University of California, Berkeley, CA (Entomology)

1978 - MS, University of Delaware, Newark, DE (Ecology)

1974 - BA, University of Delaware, Newark, DE (Biology)

RESEARCH AND TEACHING EXPERIENCE

2000 - Present: Lecturer, Environmental Studies, University of California, Santa Cruz.

1993 - Present: Trustee for the City of Berkeley on the Board of Trustees, Alameda County Mosquito Abatement District

1993 - Present: Trustee for the Comptche Land Conservancy

1993-2006 Specialist with L. E. Volkman: (1) Evaluating mechanisms of resistance and susceptibility in larval lepidopterans to infection by baculoviruses, (2) Using recombinant Sindbis Virus to monitor viral pathogenesis in mosquito vectors, and (3) Modeling tritrophic interactions in water-filled treehole communities with emphasis on determinants of mosquito productivity.

1987-1993. Assistant/Associate Specialist with J. R. Anderson evaluating: (1) The potential of the endoparasitic ciliates in the genus *Lambornella* as a biological control agent of container-breeding mosquitoes; (2) The role of disease and resource limitation in the population regulation of larval mosquitoes; (3) Abiotic and biotic determinants of habitat quality and their relationship to mosquito productivity; and (4) Competition and coexistence among larval mosquitoes.

1989 (Spring Quarter). Lecturer (Environmental Studies, University of California, Santa Cruz) for Insect Ecology (ES 131).

1987. (Spring Semester). Lecturer (Dept. of Entomology, University of California, Berkeley) for Insect Ecology (ENT 105).

1984-1987. Postdoctoral Research Associate with J. R. Anderson screening and evaluating the potential of various fungi, nematodes, and the endoparasitic ciliate, *Lambornella clarki*, as biological control agents of *Aedes sierrensis* and other container-breeding mosquitoes.

1981-1983. Evaluation of the impact of aerially-applied malathion bait sprays on iceplant scales and their natural enemies in the San Francisco Bay area.

1979-1984. PhD research on the biology and control of the imported iceplant scales, *Pulvinariella mesembryanthemi* and *Pulvinaria delottoi*. Doctoral Dissertation: The biology and ecology of iceplant scales, *Pulvinariella mesembryanthemi* and *Pulvinaria delottoi*, in California, G. W. Frankie, adviser.

1979-1983. Independent research on cynipid gall wasps and their parasitoid communities.

1978-1979. Research assistant with H. V. Cornell, School of Life and Health Sciences, University of Delaware, Newark, DE. Research on the ecology of cynipid and chalcid wasps of New Jersey and California.

1977-1978. Teaching assistant and graduate student, Department of Biological Sciences, Florida State University, Tallahassee, FL.

1974-1977. Teaching assistant, research assistant, and graduate student, School of Life and Health Sciences, University of Delaware, Newark, DE. Research on the ecology of cynipid and chalcid wasps of the New Jersey Pine Barrens. Masters Thesis: The Organization of the parasitoid guild of *Acraspis hirta* (Hymenoptera: Cynipidae), H. V. Cornell, adviser.

1970-1974. Undergraduate student, West Virginia University, Parkersburg, WV and University of Delaware, Newark, DE.

FIELD BIOLOGY PROGRAMS

1990. Foreign exploration for parasites and pathogens of tropical strains of the Asian Tiger Mosquito, *Aedes albopictus* (sponsored by the National Institutes of Health, USA and the Institute for Medical Research & Universiti Sains Malaysia, MALAYSIA).

1983. Participant in OTS 83-3 Tropical Ecology Program, (sponsored by the Organization for Tropical Studies, San Jose, COSTA RICA).

1981. Research Assistant investigating pollination of cloud forest trees and vines (sponsored by the National Science Foundation, Monteverde, COSTA RICA).

1980. Participant in Fern Mountain Ecology Program, Flagstaff, AZ (sponsored by the Museum of Northern Arizona and the University of Northern Arizona, Flagstaff, AZ).

1973. Participant in Marine Ecology summer program, Lewes, DE (sponsored by the Department of Marine Sciences, University of Delaware, Newark, DE).

AWARDS

1984. Student Excellence Award (First Place) for paper presentation at Pacific Division meetings of AAAS (June 1984, San Francisco State University, San Francisco, CA).

1984. Member of Entomological Society of America, Pacific Division Linnean Games winning team (University of California, Berkeley, CA) (June 1984, Salt Lake City, UT).

1983. Dean's scholarship recipient to attend OTS Tropical Ecology Program in Costa Rica (June-August 1983).

1982. Regent's Fellowship, University of California, Berkeley, CA.

1981. Harvey I. Magy Award, Department of Entomology, University of California, Berkeley.

1981. Regent's Fellowship, University of California, Berkeley, CA.

1981. Sigma Xi National Award (New Haven, CT) for study of ant mutualism in a cynipid gall wasp system.

1980. Sigma Xi National Award (New Haven, CT) and Chapter Award (University of California, Berkeley, CA) for study of ant mutualism in a cynipid gall wasp system.

1980. Museum of Northern Arizona scholarship award (Flagstaff, AZ) to attend Fern Mountain Ecology Program.

1976. Sigma Xi Chapter Award (University of Delaware, Newark, DE) for presentation of research findings at the AIBS conference in New Orleans, LA.

1974. Beta Beta Beta

1972. Phi Theta Kappa

INVITED PRESENTATIONS AND WORKSHOPS

2004. University of Georgia, Athens, GA, USA: Department Colloquium (Honorarium).

2003. 36th Annual Meeting of the Society for Invertebrate Pathology: Plenary Symposium: Pathogen-Midgut Interactions, Burlington, VT: L. E. Volkman and S. Gill presiding.

2003. University of Wyoming, Laramie, WY, USA: Department Colloquium.

2000. 33th Annual Meeting of the Society for Invertebrate Pathology: Symposium: Virus-Insect Host Interactions, Guanajuato, MEXICO: L. E. Volkman presiding.

1999. Invited Participant, NSF/NIH Ecology of Infectious Diseases, NIH Campus, Washington DC, April 15-16.

1998. Penn State University, University Park, PA, USA: Department Colloquium (Honorarium).

1997. 30th Annual Meeting of the Society for Invertebrate Pathology: Symposium: Polydnavirus, Baculovirus and Larval Lepidopteran Immunity, Banff, CANADA: L. E. Volkman presiding.

1997. Oregon State University, Corvallis, OR, USA: Department Colloquium (Honorarium).

1996. Santa Clara University, Santa Clara, CA, USA: Department Colloquium (Honorarium).

1996. California State University, Hayward, CA, USA: Department Colloquium.

1996. University of California, Davis, CA, USA: Department Colloquium.

1995. University of Vermont, Burlington, VT, USA: Department Colloquium (Honorarium).

1995. Ohio State University, Columbus, OH, USA: Department Colloquium (Honorarium).

1995. University of Kentucky, Lexington, KY, USA: Department Colloquium (Honorarium).

1995. 28th Annual Meeting of the Society for Invertebrate Pathology: Symposium: Comparative Pathogenesis of *Autographa californica* MNPV in *Heliothis virescens*, *Helicoverpa zea*, and *Trichoplusia ni*, Ithaca, UNITED STATES: G. Blissard and T. Davis, presiding.

1994. American Mosquito Control Association and California Mosquito and Vector Control Association: Symposium on Vector Control without Chemicals: Has it a Future?, San Diego, California, USA: B. Eldridge and M. Service presiding.

1992. Cynipid gall wasps and their associated parasitoid communities on California oaks, Oakland Museum, Oakland, CA, USA: (Docent Lecture).

1992. American Mosquito Control Association: Symposium: Ecology of Container-Breeding Mosquitoes, Corpus Christi, Texas, USA: J. O. Washburn organizer and contributor.

1991. Florida Medical Entomology Laboratory, Vero Beach, FL, USA: Special Seminar (Honorarium).

1990. University of Georgia, Athens, GA, USA: Department Colloquium (Honorarium).

1990. V International Colloquium on Invertebrate Pathology: Symposium: General Protozoa; Current Status as Insect Pathogens, Adelaide, AUSTRALIA: W. Brooks presiding.

1989. University of Delaware, Newark, DE, USA: Department Colloquium.

1988. XVIII International Congress of Entomology: Symposium: Plant-held Waters: Vector Sources, Centres of Speciation and Model Communities, Vancouver, British Columbia, CANADA: R. L. Kitching presiding.

1987. American Mosquito Control Association and Society of Vector Ecologists: Symposium on the Biological Control of Mosquitoes by Protozoa and Fungi, Seattle, Washington, USA: J. R. Anderson presiding.

1986. IV International Colloquium on Invertebrate Pathology: Symposium: Microsporidia, Veldhoven, NETHERLANDS: J. E. Henry presiding.

1985. University of California, Riverside, CA, USA: Department Colloquium (Honorarium).

1981. Entomological Society of America: Symposium on the Biology of the Coccidae, San Diego, California, USA: R. J. Gill presiding.

1978. Entomological Society of America: Symposium on Community Ecology and Systematics of Chestnut and Oak Arthropods, Houston, Texas, USA: P. A. Opler presiding (Honorarium).

REFEREED PUBLICATIONS

HAAS-STAPLETON, E. J., WASHBURN, J. O., and L. E. VOLKMAN. 2004. Inappropriate binding of AcMNPV ODV to the midgut epithelia of *Spodoptera frugiperda* correlated with low oral infectivity. *J. Gen. Virology* (in review).

HAAS-STAPLETON, E. J., WASHBURN, J. O., and L. E. VOLKMAN. 2004. P74 mediates specific binding of *Autographa californica* M Nucleopolyhedrovirus occlusion-derived virus to primary cellular targets in the midgut epithelia of *Heliothis virescens* larvae. *J. of Virology* 78:6786-6791.

ZHANG, J, J. O. WASHBURN, D. L. JARVIS, and L. E. VOLKMAN. 2004. *Autographa californica* M nucleopolyhedrovirus early GP64 synthesis mitigates

developmental resistance in orally infected noctuid hosts. *J. of General Virology* 85:833-842.

HAAS-STAPLETON, E., WASHBURN, J. O., AND L. E. VOLKMAN. 2003. Pathogenesis of AcMNPV in fifth instar *Spodoptera frugiperda*. *J. of General Virology* 84:2033-2040.

MILKS, M. L., WASHBURN, J. O., WILLIS, L. G., VOLKMAN, L. E., and D. A. THEILMANN. 2003. Deletion of *pe38* attenuates AcMNPV genome replication, budded virus production and virulence in *Heliothis virescens*. *Virology* 310:224-234.

WASHBURN, J. O., TRUDEAU, D., WONG, J. F., and L. E. VOLKMAN. 2003. Early pathogenesis of *Autographa californica multiple nucleopolyhedrovirus* and *Helicoverpa zea single nucleopolyhedrovirus* in *Heliothis virescens*; a comparison of the 'M' and 'S' strategies for establishing fatal infection. *J. of General Virology* 84: 343-351.

WASHBURN, J. O., CHAN, E. Y., VOLKMAN, L. E., AUMILLER, J. J., and D. L. JARVIS. 2003. Early synthesis of budded virus envelope fusion protein GP64 enhances *Autographa californica* Multicapsid Nucleopolyhedrovirus virulence in orally infected *Heliothis virescens*. *J. of Virology* 77:280-290.

WASHBURN, J. O., WONG, J. F. and L. E. VOLKMAN. 2001. Comparative pathogenesis of *Helicoverpa zea* S Nucleopolyhedrovirus in noctuid larvae. *J. of General Virology* 82:1777-1784.

TRUDEAU, D., WASHBURN, J. O., and L. E. VOLKMAN. 2001. The central role of hemocytes in *Autographa californica* M Nucleopolyhedrovirus pathogenesis in *Heliothis virescens* and *Helicoverpa zea*. *J. of Virology* 75:996-1003.

HOOVER, K., WASHBURN, J.O., and L. E. VOLKMAN. 2000. Midgut-based resistance of *Heliothis virescens* to baculovirus infection mediated by phytochemicals in cotton. *J. Insect Phys.* 46:999-1007.

EISENBERG, J. N. S., WASHBURN, J. O., and S. J. SCHREIBER. 2000. The generalist feeding behaviors of *Aedes sierrensis* larvae and their effects on protozoan populations. *Ecology* 81:921-935.

WASHBURN, J. O., HAAS-STAPLETON, E. J., BECKAGE, N. E., TAN, F. F., and L. E. VOLKMAN. 2000. Co-infection of *Manduca sexta* larvae with polydnavirus from *Cotesia congregata* increases susceptibility to fatal infection by *Autographa californica* M Nucleopolyhedrovirus. *J. Insect Phys.* 46:179-190.

WASHBURN, J. O., LYONS, E., HAAS-STAPLETON, E. J., and L. E. VOLKMAN. 1999. Multiple nucleocapsid packaging of *Autographa californica* M nucleopolyhedrovirus accelerates the onset of systemic infection in *Trichoplusia ni*. J. Virology 73:411-416.

KIRKPATRICK, B. A., WASHBURN, J. O., and L. E. VOLKMAN. 1998. AcMNPV pathogenesis and developmental resistance in fifth instar *Heliothis virescens*. J. Invert. Pathol. 72:63-72.

WASHBURN, J. O., KIRKPATRICK, B. A., HAAS-STAPLETON, E. and L. E. VOLKMAN. 1998. Evidence that the stilbene-derived optical brightener, M2R, enhances *Autographa californica* M Nucleopolyhedrovirus infection of *Trichoplusia ni* and *Heliothis virescens* by preventing sloughing of infected midgut epithelial cells. Biol. Control 11:58-69.

WASHBURN, J. O., KIRKPATRICK, B. A., and L. E. VOLKMAN. 1996. Insect protection against viruses. Nature 383:767.

WASHBURN, J. O. 1995. Regulatory factors affecting larval mosquito populations in container and pool habitats: implications for biological control. J. Amer. Mosq. Contr. Assoc. 11:279-283.

WASHBURN, J. O., KIRKPATRICK, B. A., and L. E. VOLKMAN. 1995. Comparative pathogenesis of *Autographa californica* M nuclear polyhedrosis virus in larvae of *Trichoplusia ni* and *Heliothis virescens*. Virology 209:561-568.

KIRKPATRICK, B. A., J. O. WASHBURN, E. K. ENGELHARD, and L. E. VOLKMAN. 1994. Primary Infection of insect tracheae by *Autographa californica*. Virology 203:184-186.

ENGELHARD, E. K., L. N. W. KAM-MORGAN, J. O. WASHBURN, and L. E. VOLKMAN. 1994. The insect tracheal system: a conduit for the systemic spread of *Autographa californica* M Nuclear Polyhedrosis Virus. Proc. Natl. Acad. Sci. USA 91: 3224-3227.

WASHBURN, J. O. and J. R. ANDERSON. 1993. Habitat overflow: a source of larval mortality for the western treehole mosquito, *Aedes sierrensis* (Diptera: Culicidae). J. Med. Entomol. 30:802-804.

WASHBURN, J. O., D. L. WOODWARD, A. E. COLWELL, and J. R. ANDERSON. 1992. Correlation of *Aedes sierrensis* (Diptera: Culicidae) captures at

sentinel humans with CO₂-baited Fay-Prince and duplex cone traps. J. Amer. Mosq. Contr. Assoc. 8:389-393.

WASHBURN, J. O. and E. U. HARTMANN. 1992. Could *Aedes albopictus* (Diptera: Culicidae) become established in California treeholes? J. Med. Entomol. 29:995-1005.

NORTON, A., WASHBURN, J. O., and E. OMI. 1992. Axenic culture of *Lambornella clarki* (Ciliophora: Tetrahymenidae), an endoparasite of *Aedes sierrensis* (Diptera: Culicidae). J. Invert. Pathol. 60:164-170.

WASHBURN, J. O., D. R. MERCER, and J. R. ANDERSON. 1991. Regulatory role of parasites: mortality patterns shift with resource availability. Science 253:185-188.

WASHBURN, J. O., J. R. ANDERSON, and D. R. MERCER. 1991. Parasitism of newly-hatched *Aedes sierrensis* (Diptera: Culicidae) larvae by *Lambornella clarki* (Ciliophora: Tetrahymenidae) following habitat flooding. J. Invert. Pathol. 58:67-74.

WASHBURN, J. O., and J. R. ANDERSON. 1991. The case of the quick-change killer. Natural History. July:30-33.

WASHBURN, J. O., J. R. ANDERSON, and D. R. MERCER. 1989. Emergence characteristics of *Aedes sierrensis* (Diptera: Culicidae) from California treeholes with particular reference to parasite loads. J. Med. Entomol. 26:173-182.

WASHBURN, J. O., D. E. EGERTER, J. R. ANDERSON, and G. A. SAUNDERS. 1988. Density reduction in larval mosquito (Diptera: Culicidae) populations by interactions between a parasitic ciliate (Ciliophora: Tetrahymenidae) and an opportunistic fungal (Oomycetes: Pythiaceae) parasite. J. Med. Entomol. 25:307-314.

SAUNDERS, G. A., J. O. WASHBURN, D. E. EGERTER, and J. R. ANDERSON. 1988. Pathogenicity of fungi isolated from field-collected larvae of the western treehole mosquito, *Aedes sierrensis* (Diptera: Culicidae). J. Invert. Pathol. 52:360-363.

WASHBURN, J. O., M. E. GROSS, D. R. MERCER, and J. R. ANDERSON. 1988. Predator-induced trophic shift of a free-living ciliate: parasitism of mosquito larvae by their prey. Science 240:1193-1195.

WASHBURN, J. O., J. K. GRACE, and G. W. FRANKIE. 1987. Population responses of two soft scales, *Pulvinariella mesembryanthemi* and *Pulvinaria delottoi* (Homoptera: Coccidae), to nitrogen and water conditions of their host plants. *Environ. Entomol.* 16:286-295.

WASHBURN, J. O., J. R. ANDERSON, and D. E. EGERTER. 1986. Distribution and prevalence of *Octomyomermis troglodytis* (Nematoda: Mermithidae), a parasite of the western treehole mosquito, *Aedes sierrensis*. *J. Amer. Mosq. Contr. Assoc.* 2:341-346.

WASHBURN, J. O. and J. R. ANDERSON. 1986. Distribution of *Lambornella clarki* (Ciliophora: Tetrahymenidae) and other mosquito parasites in California treeholes. *J. Invert. Pathol.* 48:296-309.

EGERTER, D. E., J. R. ANDERSON, and J. O. WASHBURN. 1986. Dispersal of the parasitic ciliate, *Lambornella clarki*: implications for ciliates in the biological control of mosquitoes. *Proc. Natl. Acad. Sci.* 83:7335-7339.

WASHBURN, J. O., G. W. FRANKIE, and J. K. GRACE. 1985. Effects of density on survival, development, and fecundity of the soft scales, *Pulvinariella mesembryanthemi* and *Pulvinaria delottoi* (Homoptera: Coccidae), and its host plant. *Environ. Entomol.* 14:755-761.

WASHBURN, J. O., and G. W. FRANKIE. 1985. Biological studies of the iceplant scales, *Pulvinariella mesembryanthemi* and *Pulvinaria delottoi* (Homoptera: Coccidae), in California. *Hilgardia* 53:1-27.

WASHBURN, J. O. 1984. The gypsy moth and its parasites in North America: a community in equilibrium? *Amer. Nat.* 124:288-292.

WASHBURN, J. O., and L. WASHBURN. 1984. Active aerial dispersal of minute, wingless arthropods: exploitation of boundary layer velocity gradients. *Science* 223:1088-1089.

WASHBURN, J. O. 1984. Mutualism between a cynipid gall wasp and ants. *Ecology* 65:654-656.

WASHBURN, J. O., R. TASSAN, J. K. GRACE, E. BELLIS, K. S. HAGEN, and G. W. FRANKIE 1983. Effects of malathion sprays on the ice plant insect system. *Calif. Agr.* 37:30-32.

WASHBURN, J. O., and G. W. FRANKIE. 1981. Dispersal of a scale insect, *Pulvinariella mesembryanthemi* (Homoptera: Coccidae) on iceplant in California. *Environ. Entomol.* 10:724-727.

WASHBURN, J. O., and H. V. CORNELL. 1981. Parasitoids, patches, and phenology and their possible role in the local extinction of a cynipid gall wasp. *Ecology* 62:1597-1607.

WASHBURN, J. O., and H. V. CORNELL. 1979. Chalcid parasitoid attack on a gall wasp population [*Acraspis hirta* (Hymenoptera: Cynipidae)] on *Quercus prinus* (Fagaceae). *Can. Entomol.* 111:391-400.

CORNELL, H. V. and J. O. WASHBURN. 1979. Evolution of the richness-area correlation for cynipid gall wasps on oak trees: a comparison of two geographic areas. *Evolution* 33:257-274.

HURD, L. E., R. M. EISENBERG, and J. O. WASHBURN. 1978. Effects of experimentally manipulated density on field populations of the Chinese mantis (*Tenodera ardifolia sinensis* Saussure). *Amer. Midl. Nat.* 99:58-64.

ABSTRACTS, PROCEEDINGS PAPERS AND ANNUAL REPORTS

VOLKMAN, L. E., WASHBURN, J. O., and L. D. KRAMER. 1995. Sindbis virus infection of *Culex tarsalis*. *Univ. Calif., Div. Agric. & Nat. Res. Mosq. Control Ann. Rpt.* 1995:18-19.

ANDERSON, J. R. and J. O. WASHBURN. 1992. Correlating emergence of *Aedes sierrensis* with treehole characteristics. *Univ. Calif., Div. Agric. & Nat. Res. Mosq. Control Ann. Rpt.* 1992:44-45.

ANDERSON, J. R. and J. O. WASHBURN. 1991. Quantifying the impact of *Lambornella clarki* on larval population dynamics of *Aedes sierrensis*. *Univ. Calif., Div. Agric. & Nat. Res. Mosq. Control Ann. Rpt.* 1991:21-23.

ANDERSON, J. R. and J. O. WASHBURN. 1990. Quantifying the impact of *Lambornella clarki* on larval population dynamics of *Aedes sierrensis*. *Univ. Calif., Div. Agric. & Nat. Res. Mosq. Control Ann. Rpt.* 1990:31-33.

WASHBURN, J. O. and J. R. ANDERSON. 1990. Assessing *Lambornella clarki* as a potential biological control agent for *Aedes albopictus*. *Proc. Calif. Mosq. Vector Control Assoc.* 57:133-136.

WASHBURN, J. O. and J. R. ANDERSON. 1990. Epizootics of *Lambornella clarki*: Local extinctions of natural treehole populations of *Aedes sierrensis*. Proc. Calif. Mosq. Vector Control Assoc. 57:137-138.

WASHBURN, J. O. and J. R. ANDERSON. 1990. Insect ciliates: potential for container-breeding mosquitoes. Proc. 5th Intl. Collq. Invert. Pathol. pp. 507-511.

ANDERSON, J. R. and J. O. WASHBURN. 1989. Preliminary assessment of the potential for *Aedes albopictus* establishment in California. Univ. Calif., Div. Agric. & Nat. Res. Mosq. Control Ann. Rpt. 1989:50-51.

ANDERSON, J. R. and J. O. WASHBURN. 1989. Field release, persistence, and impact of *Lambornella clarki* on natural populations of *Aedes sierrensis*. Univ. Calif., Div. Agric. & Nat. Res. Mosq. Control Ann. Rpt. 1989:53-55.

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ANDERSON, J. R. and J. O. WASHBURN. 1988. Mass production, field release, and persistence of *Lambornella clarki*, a parasite of *Aedes sierrensis*. Univ. Calif., Div. Agric. & Nat. Res. Mosq. Control Ann. Rpt. 1988:26-28.

WASHBURN, J. O. and J. R. ANDERSON. 1988. The importance of interactions between the parasitic ciliate, *Lambornella clarki*, and the mosquito, *Aedes sierrensis*, on the community structure of California treeholes. Proc. XVIII Intl. Congr. Entomol., Vancouver, B. C., Canada. Abstract: VS8, p. 171.

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