



John G. Stoffolano, Jr.

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Academic Training

- 1970** Ph.D. in Entomology, University of Connecticut
1967 M.S. in Entomology, Cornell University
1962 B.S. in Biology, State University of New York at Oneonta

Title of Master's Thesis:

Influence of photoperiod and temperature on diapause in the face fly, *Musca autumnalis* DeGeer (Diptera: Muscidae).

Title of Doctoral Dissertation:

Experimental Parasitization of *Musca autumnalis* DeGeer, *Musca domestica* L., *Orthellia caesarion* Meig, and *Ravinia l'herminieri* R.-D. by the nematode *Heterotylenchus autumnalis* Nickle with special reference to host reactions, hemocytic involvement, anal organ and the hemocytopoietic organ.

Teaching and Administrative Experience

1980 - present

Professor of Entomology, Department of Entomology, UMASS, Amherst. Teach General Entomology for Science Majors and Using Insects in the Classroom for Education Majors.

1976-79

Associate Professor of Entomology, Department of Entomology, UMASS, Amherst.

Summer 1976

Acting Pesticide Coordinator for the State of Massachusetts, Department of Entomology, UMASS, Amherst.

1975-76

Associate Professor and Acting Chairman of the Department, Department of Entomology, UMASS, Amherst.

1969-75

Assistant Professor of Entomology, Department of Entomology, UMASS, Amherst. Taught Insect Development, Using Insects in the Classroom, Research Methods, and General Entomology. General Entomology for Science Majors and Insect Behavior.

1962-64

High School Biology Teacher, Oneonta Board of Education, Oneonta, New York.

Honors, Fellowships, Grants, Etc.

Recipient-Oak Ridge Institute of Nuclear Studies Summer Student Trainee Program Grant in the Ecology Section of the Health Physics Division under Dr. S. Auerbach's group. Worked with Dr. D.A. Crossley and did a paper on the "Microarthropods inhabiting oak and pine leaf litter." Summer, 1961.

Magna Cum Laude, 1962 from State University of New York at Oneonta

Research Assistant - 1964-66, Cornell University

NDEA Fellowship 1966-69, University of Connecticut

NSF Post doctoral fellowship from 1970-71 in the Biology Department, Princeton University, \$7,000

NIH - 3 year research grant to study the effects of age and diapause on chemoreceptor sensilla in flies. 1972-75, \$67,414

NIH and UMASS faculty research grant in 1972 to attend the 14th International Congress of Entomology, Canberra, Australia. \$900

University of Massachusetts Faculty Research Grant, 1973. \$900

Acting Dept. Head, Dept. of Entomology, July 1, 1975-Aug. 31, 1976

University of Massachusetts Faculty Teaching Grant, 1976. \$900

University of Massachusetts Faculty Research Grant to travel to London for sabbatical, 1977. \$824

Sabbatical leave - July 14 through December 30, 1977. To study feeding behavior of the locust with Drs. R. Chapman and E. Bernays at the Centre for Overseas Pest Research. London, England. Faculty Research Grant - \$412

1978 Distinguished Achievement Award for teaching from the Entomological Society of America.

NIH - 2 year research grant entitled - "Feeding Behavior of Hematophagous Tabanids" - \$79,448 (1979-1981)

American Men and Women of Science. 14th Edition. Jagues Cattell Press

Research Leave - Dec. 18, 1979-Feb. 10, 1980. Electrophysiology of mosquito chemosensilla. In the lab. of Prof. P. Pietra. Institute of General Physiology. University of Calgiari, Italy.

BRSB Summer Award from Univ. of Mass. - \$1,500. Effect of Juvenile Hormone on Biting Behavior of *Tabanus nigrovittatus* 1981.

Acting Dept. Head - Oct. 15-18, 1979; July 1-Aug. 31, 1981; Nov. 15- 19, 30-Dec. 4, 1981.

Member of team of 5 to attend the Workshop on National Research and Extension Needs for Integrated Pest Management of Arthropods Affecting Livestock and Poultry in Manhattan, Kansas. March 3-10, 1979.

Consultant with Peach River Films for the NOVA Program "The Sea Behind the Dunes."

Commencement speaker at Gloversville High School's 105th graduating class. Topic title - "The meaning of success."

Grant from the Massachusetts Society for Promoting Agriculture. \$8,000 - "Development of biological fly control methods in Massachusetts poultry houses".

\$3,500 - BRSB award. "*In vitro* radiochemical determination of corpus allatum activity in relation to feeding behavior of *Aedes aegypti*. 1982.

\$500 - N.I.H. Minority High School Student Apprentice Program. 1982

\$600 - Faculty Travel Grant to attend the 2nd Int. Dipterology Congress. 1990. Bratislava, Czechoslovakia.

3 year N.S.F. (1984-87) grant with Dr. Yin. "Dietary and hormonal regulation of olfaction, appetitive flight, and oogenesis in *Phormia regina*. \$202,964.

Panelist for N.S.F. Predoctoral Fellowship Program. Biology Panel. Washington, D.C. 1990-1992.

Sabbatical leave - Jan. 1 - Sept. 31, 1988. To study the ultrastructure of the spermathecae of the Mediterranean fruit fly and oogenesis in *Phormia regina*. University of Siena, Zoology Dept. visiting lecturer at the University of Siena, Zoology Dept. Visiting lecturer at the Univ. of Modena, Facolta di Scienza Matematiche, Fische e Naturali Cattedra di Fisiologia Generale, Istituto di Fisiologia Umana. Lectures presented on Insect Physiology.

1991-1993. N.S.F. Grant. A new hormone, midgut factor(s), that links diet, neuroendocrine system and reproduction in *Phormia regina*. \$139,500. Co-P.I. with Dr. C.-M. Yin.

1 year BRSF grant. "Male accessory reproductive gland fluid changes female mating behavior in *Phormia regina*." \$3,344.00 - 1990.

1992 - N.I.H. grant for Minority Students and Teachers in Health Related Research. Two high school and one middle school science teacher for 10 weeks. \$1,500.00.

1993 - N.I.H. grant for Minority Students and Teachers in Health Related Research. Three high school students and one high school science teacher for 7 weeks. \$1,500.00.

1993 - Summer N.S.F. - Research Experience for undergraduates. \$4,000.00.

1994-1997. N.S.F. grant with Dr. Yin. "Midgut hormone: A newly discovered endocrine link between diet and the neuroendocrine system in *Phormia regina* (Meigen). \$261,830.

Friends of Five College, Inc., Partnership. Eisenhower Project Grant. \$4,845 for Bug Net component.

Spring, 1995. Sabbatical to Univ. of Dunedin, New Zealand. Fellow of the Interactive Distance Education & Access (IDEA) Leadership project from U.S.D.A. \$5,150.

1996 - Service Learning Grant for \$2,000 from the Provost's office.

1997 - Member of the \$5 million dollar, N.S.F., STEMTEC grant. \$5,500.00 for developing the Technology Portion of Using insects in the Classroom.

1997 - \$4,000.00 grant from the President's Office to develop Instructional Technology using video tapes and PicTel for Using Insects in The Classroom.

1998 - \$600 Faculty Travel grant to attend the 4th International Dipterology Congress in Oxford, England. Sept. 5-12, 1998.

1998- \$14,350 Eisenhower grant from Board of Higher Education, Commonwealth of Massachusetts for K-6 project with Deerfield and Conway School Systems on "Investigating Insects-Inquiry and Entomology".

2000-2001. Awarded a TEACHnology grant from the University's Center for Teaching and became a fellow for the year.

2000-2001. Awarded a MEET grant (\$700) from the School of Education to assist in incorporating more technology into my Ent. 271/671, Using Insects in the Classroom course.

2001-2002. Awarded an Eisenhower Grant for \$20,000 entitled, Investigating Insects--Inquiry and Hands-on Science Online.

Sabbatical: Jan. 1, 2003 until Aug. 31, 2003. Worked at the Univ. of Arizona and Univ. of Hawaii where I focused on distance learning technologies and teaching.

2004-2005. Grant for \$6,000 from the President's Office, Professional Development Grant in Distance Learning and Instructional Technology for "Using a computer-based, drag and assembly assessment tool to evaluate the knowledge of students concerning arthropod structure and to assess their observational skills using live insects and a webcam/website system."

Memberships in Professional Societies

Entomological Society of America
Entomological Society of Italy

Committees

1970-1973

Member of the Educational Policy Committee for the College of Agriculture

1972-1973

Chairman of the Morrill Science Library Committee

1972-1975

Departmental representative to the College Personnel Policy Committee

1973

Chairman of the Department's Lecturer Program

Served on the program committee for the Society of Invertebrate Pathology that was meeting in conjunction with the A.I.B.S. Meetings held in Amherst.

1973-1974

Recruiting and Graduate Education Committee for the Department of Entomology
Member of the Special Committee on Education for the Entomological Society of America.

1973-1975

Chairman of the Graduate Student Review Committee for the Department
Member of the Eastern Branch Committee for the Entomological Society of America in preparation for the 15th International Congress of Entomology

1973-1976

Youth Program Committee for the 15th International Congress of Entomology held in Washington, D.C. in August of 1976.

1974-1975

Member of the Finance Committee for the Eastern Branch of the Entomological Society of America

1974

Planned and helped organize the Special Conference on Insects and Science Education that was held April 18, 1974, at the Northfield Inn, Northfield, Mass.

1975

Planned and coordinated the First National Entomology Workshop on Education held at the University of Massachusetts from Aug. 26-29, 1975

1976-1977

Chairman of the Special Committee on Education for the Entomological Society of America

Local Arrangements Chairman for the Eastern Branch Section of the Entomological Society of America for the Meetings to be held in Boston, MA,

Fall, 1978

Chairman of the Department's Personnel Committee

1977-1978

Member of Department's Personnel Committee

Member of the Electron Microscopy Committee for the College of Food and Natural Resources

1978-1979

Departmental Scheduling Officer Member of the Education Committee of the Intersociety Consortium for Plant Protection

Member of a 5 man team to evaluate National Research and Extension Needs for Integrated Pest Management Affecting Dairy Cows in the United States

1979-1980

Chairman of Departmental Personnel Committee and Representative to the College's Personnel Committee

Member of Advisory Board for the UMASS Marine Station, Gloucester, MA.

Member of the Education Committee for the Intersociety Consortium for Plant Protection

Member of the USDA Dairy IPM Committee

1980-1981

Chairman of Departmental Personnel Committee and Representative to the College Personnel Committee

Member of Advisory Board for the UMASS Marine Station, Gloucester, MA

Member and Secretary of the College Personnel Committee

Member of Search Committee for Plant Pathology Department Head

1981-1982

Chairman of Department seminar program

Chairman of Departmental Personnel Committee and representative to the College Personnel Committee

Member of Departmental Crampton Fund

Committee Member and Secretary of College Research Advisory Committee

Publications

Journal Articles

Tu M.-P., Kou R., Wang Z.-S., Yin C.-M., and Stoffolano, J.G., Jr. 2002. Allatotropic activity in the brain of female *Phormia regina* (Diptera: Calliphoridae). *J. Insect Physiol.* 48: 733-741.

Nascarella M.A., J.G. Stoffolano, Jr., E.J. Stanek III, P.T. Kostecki, and E.J. Calabrese. 2003. Hormesis and stage specific toxicity induced by cadmium in an insect model, the queen blowfly, *Phormia regina* Meig. *Environ. Pollution* 124: 257-262.

Hastelton, A.T., J.G. Stoffolano, Jr., R.A. Nichols and C.-M. Yin. submitted. Neuropeptid regulation of crop concentrations and the effects of an ingested nonpeptid agonist of dromyosuppressin on longevity in female *Musca domestica*.
Peptides

Lin, H., C.-M. Yin, J.G. Stoffolano, Jr. and R.S. Garofalo. in manuscript. Neurosecretory cells of the queen blow fly, *Phormia regina* (Meigen) contain materials immunopositive to antisera against the ovary ecdysteroidogenic hormone I of yellow fever mosquito and the insulin receptor for the fruit fly. *Jour. Comp. Neurology*

Tu M.-P., Yin C.-M., Zou B.-X. and Stoffolano, J.G., Jr. in preparation. Putative target cells of midgut hormone in the brain of female *Phormia regina* (Diptera: Calliphoridae). *Jour. Comp. Neurology*

Yin C.-M., Wang Z.-S., Kou R., Zou B.-X., Li M.-F. and Stoffolano, J.G., Jr. in preparation. Purification and sequence of a midgut cerebrotropic hormone from the liver-fed, female queen blow fly, *Phormia regina* (Meigen). *Jour. Insect Physiol.*

Yin, C.-M., Z.-S. Wang, R. Nichols, R. Kou, B. Zou, M.-F. Li and J.G. Stoffolano, Jr. in preparation. Purification of a midgut hormone from liver-fed female queen blow fly, *Phormia regina*. *Jour. Insect Physiol.*

Yin, C.-M. Yin, Q.-J. Li and J.G. Stoffolano, Jr. in preparation Purification and partial amino acid sequences of the subunits of vitellin of *Phormia regina* (Diptera: Calliphoridae). *Insect Biochem. and Molecular Biology*

Stoffolano, J.G., Jr. and W.R. Nickle. 1966. Nematode parasite (*Heterotylenchus* sp.) of face fly in New York State. *J. Econ. Entomol.* 59: 221-222.

Stoffolano, J.G., Jr. 1967. Influence of photoperiod and temperature on diapause in the face fly, *Musca autumnalis* DeGeer (Diptera: Muscidae). M.S. Thesis, Cornell University, Ithaca, New York, pp. 95.

Stoffolano, J.G., Jr. and J.G. Matthyse. 1967. Influence of photoperiod and temperature on diapause in the face fly, *Musca autumnalis* (Diptera: Muscidae). *Ann. Entomol. Soc. Amer.* 60:1242-1246.

Stoffolano, J.G., Jr. 1967. The synchronization of the life cycle of diapausing face flies, *Musca autumnalis*, and of the nematode *Heterotylenchus autumnalis*. *J. Invert. Pathol.* 9:395-397.

Stoffolano, J.G., Jr. 1968. Distribution of the nematode *Heterotylenchus autumnalis*, a parasite of the face fly in New England with notes on its origin. *J. Econ. Entomol.* 61:861-863.

Stoffolano, J.G., Jr. 1968. The effect of diapause and age on the tarsal acceptance threshold of the fly, *Musca autumnalis*. *J. Insect Physiol.* 14:1205-1214.

Stoffolano, J.G., Jr. 1969. Nematode parasites of the face fly and the onion maggot in France and Denmark. *J. Econ. Entomol.* 62:792-795.

Stoffolano, J.G., Jr. 1970. Experimental parasitization of *Musca autumnalis* De Geer, *Musca domestica* L., *Orthellia caesarion* Meig, and *Ravinia l'herminieri* R.-D. by the nematode *Heterotylenchus autumnalis* Nickle with special reference to host reactions, hemocytic involvement, anal organ, and the hemocytopoietic organ. Doctoral Dissertation, University of Connecticut, Storrs, Connecticut, pp. 177.

Stoffolano, J.G., Jr. 1970. Parasitism of *Heterotylenchus autumnalis* Nickle (Nematoda:Sphaerulariidae) to the face fly, *Musca autumnalis* DeGeer (Diptera: Muscidae). *J. Nematology* 2:324-329.

Stoffolano, J.G., Jr. 1970. The anal organ of *Musca autumnalis*, *M. domestica*, and *Orthellia caesarion* (Diptera:Muscidae). *Ann. Entomol. Soc. Amer.* 6:1647-1654.

Stoffolano, J.G., Jr. 1970. Nematodes associated with the genus *Musca* (Diptera: Muscidae). *Bull. Entomol. Soc. Amer.* 16:194-203.

Stoffolano, J.G., Jr. 1971. Darkening of the anal organ of larvae of *Musca autumnalis* and *Orthellia caesarion* when parasitized by the nematode *Heterotylenchus autumnalis*. *J. Invert. Pathol.* 17:3-8.

Nappi, A.J. and J.G. Stoffolano, Jr. 1971. *Heterotylenchus autumnalis*: Hemocytic reactions and capsule formation in the host, *Musca domestica*. *Exp. Parasit.* 29:116-125.

Stoffolano, J.G., Jr. and F.A. Streams. 1971. Host reactions of *Musca domestica*, *Orthellia caesarion*, and *Ravinia l'herminieri* to the nematode *Heterotylenchus autumnalis*. *Parasitology* 63:195-211.

Tobin, E., M. Koreeda, K. Nakanishi and J.G. Stoffolano, Jr. 1971. Extraction and isolation of a blue pigment from third-stage larvae and pupae of the fly *Orthellia caesarion* (Diptera: Muscidae). *Ann. Entomol. Soc. Amer.* 64:1459-1460.

- Chitwood, M.B. and J.G. Stoffolano, Jr. 1971. First report of *Thelazia* sp. (Nematoda) in the face fly, *Musca autumnalis*, in North America. *J. Parasitology* 57:1363-1364.
- Nappi, A.J. and J.G. Stoffolano, Jr. 1972. Distribution of haemocytes in larvae of *Musca domestica* and *Musca autumnalis* and possible chemotaxis during parasitization. *Jour. Insect Physiol.* 18:169-179.
- Nappi, A.J. and J.G. Stoffolano, Jr. 1972. Haemocytic changes associated with the immune reaction of nematode-infected larvae of *Orthellia caesarion*. *Parasit.* 65:295-302.
- Stoffolano, J.G., Jr. 1973. Effect of age and diapause on the mean impulse frequency and failure to generate impulses in labellar chemoreceptor sensilla of *Phormia regina*. *Jour. Gerontology* 28:35-39.
- Stoffolano, J.G., Jr. 1973. Maintenance of *Heterotylenchus autumnalis*, a nematode parasite of the face fly in the laboratory. *Ann. Entomol. Soc. Amer.* 66:469-470.
- Stoffolano, J.G., Jr. 1973. Host specificity of entomophilic nematodes: A review. *Exper. Parasitol.* 33:263-284.
- Tobin, E. and J.G. Stoffolano, Jr. 1973. Barriers to hybridization between the house fly, *Musca domestica* L. and the face fly, *M. autumnalis* DeGeer. *Evolution* 27:449-455.
- Knell, J. and J.G. Stoffolano, Jr. 1973. The histology of the third instar larva of the apple maggot, *Rhagoletis pomonella* (Walsh). *Ann. Entomol. Soc. Amer.* 66:1221-1238.
- Tobin, E. and J.G. Stoffolano, Jr. 1973. The courtship of *Musca* species found in North America (Diptera:Muscidae). I. The house fly, *Musca domestica* L. *Ann. Entomol. Soc. Amer.* 66:1249-1257.
- Tobin, E. and J.G. Stoffolano, Jr. 1973. The courtship of *Musca* species found in North America (Diptera:Muscidae). II. The face fly, *Musca autumnalis* De Geer and a comparison. *Ann. Entomol. Soc. Amer.* 66:1329-1334.
- Peairs, F.B. and J.G. Stoffolano, Jr. 1974. Histology of the labellar glands in the black blow fly, *Phormia regina*. *Ann. Entomol. Soc. Amer.* 67:298-300.
- Calabrese, E.J. and J.G. Stoffolano, Jr. 1974. The influence of age and diet on respiration in adult male and female blowflies, *Phormia regina*. *J. Insect Physiol.* 20:383-393.
- Branch, G.J. and J.G. Stoffolano, Jr. 1974. Face fly: invertebrate vector and host of a mammalian eye worm in Massachusetts. *Ann. Entomol. Soc. Amer.* 67:304-305.
- Calabrese, E.J. and J.G. Stoffolano, Jr. 1974. The influence of diapause on respiration in adult male and female black blowflies, *Phormia regina*. *Ann. Entomol. Soc. Amer.* 67:715-717.
- Stoffolano, J.G., Jr., S. Greenberg and E. Calabrese. 1974. A facultative, imaginal diapause in the black blowfly, *Phormia regina*. *Ann. Entomol. Soc. Amer.* 67:518-519.

- Stoffolano, J.G. Jr. 1974. Influence of diapause and diet on the development of the gonads and accessory reproductive glands of the black blowfly, *Phormia regina* (Meigen). *Can. Journ. Zool.* 52:981-988.
- Stoffolano, J.G., Jr. 1975. Central control of feeding in the diapausing adult blowfly, *Phormia regina*. *J. Expt. Biol.* 63:265-271.
- Dober, B. and J.G. Stoffolano, Jr. 1976. Ultrastructure of the labellar glands in the female black blowfly, *Phormia regina* (Meigen) (Diptera: Calliphoridae). *Int. J. Insect Morphol. & Embryol.* 5:65-77.
- Stoffolano, J.G., Jr. 1976. The tools of the entomologist. *Amer. Biol. Teacher* 38:222-230.
- Cantwell, G.F., A.J. Nappi and J.G. Stoffolano, Jr. 1976. Embryonic and postembryonic development of the house fly (*Musca domestica* L.). 69 pp, U.S.D.A., Agr. Res. Serv. Tech. Bull. No. 1519.
- Greenberg, S.L. and J.G. Stoffolano, Jr. 1977. The effect of age and diapause on the long-term intake of protein and sugar by two species of blowflies *Phormia regina* (Meig.) and *Protophormia terraenovae* (R.D.). *Biol. Bull.* 153:282-298.
- Stoffolano, J.G., Jr., R.A. Damon, and C.E. Desch. 1978. The effect of age, sex and anatomical position on peripheral responses of taste receptors in blowflies, genus *Phormia* and *Protophormia*. *Exp. Geront.* 13:115-124.
- Webster, R.W. and J.G. Stoffolano, Jr. 1978. The influence of diet on the maturation of the reproductive system of the apple maggot, *Rhagoletis pomonella*. *Ann. Entomol. Soc. Amer.* 71:844-849.
- Stoffolano, J.G., Jr. 1979. Comparison of methods for feeding blood to *Tabanus nigrovittatus* in the laboratory. *Ann. Entomol. Soc. Amer.* 72:216-217.
- Webster, R.P., J.G. Stoffolano, Jr., and R.J. Prokopy. 1979. Long-term intake of protein and sucrose in relation to reproductive behavior of wild and laboratory cultured *Rhagoletis pomonella*. *Ann. Entomol. Soc. Amer.* 72:41-46.
- Magnarelli, L.A. and J.G. Stoffolano, Jr. 1980. Blood feeding, oögenesis, and oviposition by *Tabanus nigrovittatus* in the laboratory. *Ann. Entomol. Soc. Amer.* 73:14-17.
- Coler, R.R., J.G. Stoffolano, Jr., and S.P. Barreto. 1980. *Heterotylenchus* sp. (Nematoda: Sphaerulariidae), a nematode parasite of house fly, *Musca domestica* L. in Northeastern Brazil. *Proc. Helminthol. Soc. Wash.* 47:135-136.
- Geden, C.J. and J.G. Stoffolano, Jr. 1980. Bovine thelaziasis in Massachusetts. *Cornell Veterinarian.* 70:344-359.
- Stoffolano, J.G., Jr. and E.A. Bernays. 1980. The post-ecdysial fast of fifth-instar nymphs of *Locusta migratoria*. *Ent. exp. & appl.* 28:213-321.

Geden, C.J. and J.G. Stoffolano, Jr. 1981. Geographic range and temporal patterns of parasitization of *Musca autumnalis* (Diptera: Muscidae) by *Thelazia* sp. (Nematoda: Spirurata) in Massachusetts, with observation on *Musca domestica* (Diptera: Muscidae) as an unsuitable intermediate host. J. Med. Entomol. 18:449-456.

Geden, C.J. and J.G. Stoffolano, Jr. 1982. Development of the bovine eyeworm, *Thelazia gulosa* (Railliet and Henry), in experimentally infected, female *Musca autumnalis* de Geer. J. Parasitol. 68:287-292.

Liscia, A., A.M. Angioy, R. Crnjar, P. Pietra and J. G. Stoffolano, Jr. 1982. Risposte elettrofisiologiche dei chemocettori labellari e tarsali di *Hybomitra lasiophthalma* (Macquart) alla stimolazione con NaCl e diversi tipi di zuccheri, Bollettino della Soc. Italiana di Biol. Sperimentale. 58:666-672.

Angioy, A.M., A. Liscia, R. Crnjar, P. Pietra and J.G. Stoffolano, Jr. 1982. Risposte elettrofisiologiche dei chemosensilli labellari di *Tabanus atratus atratus* Fabricius alla stimolazione con NaCl e saccarosio. Bollettino della Soc. Italiana de Biol. Sperimentale. 58:678-682.

Liscia, A., A.M. Angioy, R. Crnjar, P. Pietra and J.G. Stoffolano, Jr. 1982. Chemocettori sui labelli, tarsi ed antenne di *Chrysops fuliginosus* Wied.: Uno studio elettrofisiologico preliminare. Bollettino della Soc. Italiana di Biol. Sperimentale. 58:673-677.

Ratner, S.S. and J.G. Stoffolano, Jr. 1982. Development of the esophageal bulb of the apple maggot, *Rhagoletis pomonella* (Diptera: Tephritidae): Morphological, histological, and histochemical study. Ann. Entomol. Soc. Amer. 75:555-562.

Angioy, A.M., A. Liscia, R. Crnjar, P. Pietra, and J.G. Stoffolano, Jr. 1982. Electrophysiological responses of the labellar, tarsal and palpal chemosensilla of the adult female black fly *Simulium venustum* Say, to NaCl and sucrose stimulation. Boll. Soc. It. Biol. Sper. 58:1319-1324.

Liscia, A., R. Crnjar, A.M. Angioy, P. Pietra, and J.G. Stoffolano, Jr. 1982. Ovipositor chemosensilla in *Tabanus nigrovittatus* (Macq.) *Chrysops fuliginosus* (Wied.) and *Rhagoletis pomonella* (Walsh). Boll. Soc. It. Biol. Sper. 58:1325-1329.

Angioy, A.M., A. Liscia, P. Pietra, and J.G. Stoffolano, Jr. 1982. The labellar and tarsal chemosensilla in *Anopheles maculipennis atroparvus* Van Thiel: electrophysiological and morphological observations. Boll. Soc. It. Biol. Sper. 58:1330-1336.

Crnjar, R., A. Liscia, A.M. Angioy, P. Pietra, and J.G. Stoffolano, Jr. 1983. Observations on the morphology and electrophysiology of labellar, tarsal and palpal chemosensilla of the black fly, *Simulium decorum* Walker (Diptera Simuliidae). Monitore Zool. Ital. (N.S.) 17:133-141.

Stoffolano, J.G., Jr. and L.R.S. Yin. 1983. Comparative study of the mouthparts and associated sensilla of adult male and female *Tabanus nigrovittatus* (Diptera: Tabanidae). J. Med. Entomol. 20: 11-32.

- Graham, N.L. and J.G. Stoffolano, Jr. 1983. Relationship between female size, type of eggs mass deposited, and description of the oviposition behavior of the sibling species, *Tabanus nigrovittatus* and *T. simulans* (Diptera: Tabanidae). Ann. Entomol. Soc. Amer. 76:699-702.
- Stoffolano, J.G., Jr. 1983. Destination of the meal and the effect of a previous sugar or blood meal on subsequent feeding behavior in female *Tabanus nigrovittatus* (Diptera: Tabanidae). Ann. Entomol. Soc. Amer. 76: 452-454.
- Graham, N.L. and J.G. Stoffolano, Jr. 1983. Oviposition behavior of the salt marsh greenhead, *Tabanus simulans* (Diptera: Tabanidae). Ann. Entomol. Soc. Amer. 76: 703-706.
- Friend, W.G. and J.G. Stoffolano, Jr. 1983. Feeding responses of the horsefly, *Tabanus nigrovittatus*, to phagostimulants. Physiol. Entomol. 8:377-383.
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Stoffolano, J.G., Jr. 1972. Behavior of the genus *Musca*. 14th Inter. National Congress of Entomology. Canberra, Australia.

Stoffolano, J.G., Jr. 1972. Central control of feeding in diapausing adult *Phormia regina*. 14th International Congress of Entomology. Canberra, Australia.

Stoffolano, J.G., Jr. 1972. Host specificity of entomophilic nematodes. 1st Conference on Experimental Parasitology, Lehigh University, Lehigh, Penn.

Stoffolano, J.G., Jr. 1972. Effect of age and diapause on the operativity of labellar sensilla of the blowfly, *Phormia regina*. Presented at the Joint Meeting of the Entomological Societies of Quebec, Canada, and America.

Stoffolano, J.G., Jr. 1973. Specificity of nematodes infecting invertebrates. Meeting of the Society of Invertebrate Pathology held at the A.I.B.S. Meeting in Amherst, MA.

Stoffolano, J.G., Jr. 1973. Eyeworms of the genus *Thelazia* found in face fly in Massachusetts. Paper read for me by Dr. J.B. Matthyse of Cornell University at the National Livestock Meeting held at VPI.

Dober, B. and J.G. Stoffolano, Jr. 1974. Structure of the labellar glands of the adult apple maggot *Rhagoletis pomonella* (Walsh) (Diptera: Tephritidae) and the adult black blowfly *Phormia regina* (Meigen) (Diptera: Calliphoridae). 46th Annual Meeting of the Eastern Branch of the Entomological Society of America, Hershey, PA.

Stoffolano, J.G., Jr. and S. Greenberg. 1974. Effect of ageing on chemoreceptor sensilla and feeding of blowflies. 27th Annual Meeting of Gerontological Society of America. Portland, Oregon.

Stoffolano, J.G., Jr. and S. Greenberg. 1974. Control of feeding in the diapausing Arctic blowfly *Protophormia terraenovae*. Meeting on Organismic and Cellular Bases of Low Temperature Adaptation. Held Oct. 17 and 18, 1974, at Geneseo, New York.

Stoffolano, J.G., Jr. 1974. Structures in apple maggot adults of unknown function. Regional Workshop on *Rhagoletis*. Geneva, N.Y.

Stoffolano, J.G., Jr. 1975. Behavioral and anatomical differences within the Diptera. Presented at the 47th Annual Meeting of the Eastern Branch of the Entomological Society of America, Philadelphia, PA.

Stoffolano, J.G., Jr. 1976. Effect of age on the failure of labellar chemoreceptor sensilla in blowflies to generate impulses. XVth International Congress of Entomology, Washington, D.C.

Wood, F.E., Stoffolano, J.G., Jr. and Nordin, J.H. 1976. Studies on the mechanism and control of glycerol accumulation in *Protophormia terraenovae* during cold stress. XVth International Congress of Entomology, Washington, D.C.

Ratner, S. and J.G. Stoffolano, Jr. 1977. Ultrastructure of the esophageal bulb of *Rhagoletis pomonella* (Walsh) (Diptera:Tephritidae): Functional implications. 25th National Meeting of the Entomological Society of America, Washington, D.C. Nov. 27-Dec. 1.

Geden, C.J. and J.G. Stoffolano, Jr. 1977. *Musca autumnalis* (DeGeer) (Diptera:Muscidae) as vector of *Thelazia* sp. (Nematoda:Filaroidae) in Massachusetts. 49th Annual Meeting of the Eastern Branch of the Entomological Society of America, Boston, MA.

Stoffolano, J.G., Jr. Nov. 17, 1977. Eyeworm parasites of cattle. Presented to the Veterinarian Group. Veterinarian Research Center, Weybridge, England.

Stoffolano, J.G., Jr. Nov. 28, 1977. Effect of diapause on the feeding behavior of blowflies. Presented to the Biology Division of the Centre for Overseas Pest Research. London, England.

Stoffolano, J.G., Jr. Dec. 14, 1977. Effect of diapause on the feeding behavior of blowflies. Presented to Behavior Section of Entomology Department at Silwood Park, England.

Ratner, S., and J.G. Stoffolano, Jr. 1977. Development of the esophageal bulb of the apple maggot *Rhagoletis pomonella* (Walsh) (Diptera: Tephritidae). 49th Eastern Branch Meeting, Entomological Society of America, Boston, MA.

Stoffolano, J.G., Jr. 1978. The feeding behavior and electrophysiology of the salt marsh tabanid, *Tabanus nigrovittatus*. 8th International Chemosensory Workshop on Insects. Biloxi, Miss.

Stoffolano, J.G., Jr. and E.A. Bernays. 1978. The post-ecdysial fast of fifth instar, *Locusta migratoria* L. National Meetings of the Entomological Society of America, Houston, TX.

Ratner, S. and J.G. Stoffolano, Jr. 1978. In vitro tests of the transport function of the esophageal bulb of *Rhagoletis pomonella*. National Meetings of the Entomological Society of America, Houston, TX.

Stoffolano, J.G., Jr. and L.A. Magnarelli. 1979. Blood feeding, oogenesis and oviposition in *Tabanus nigrovittatus*. Annual Biting Fly Workshop, Ottawa, Canada.

Geden, C.J. and J.G. Stoffolano, Jr. 1979. Development of the eyeworm *Thelazia gulosa* (Raillet and Henry) (Nematoda:Spirurata) in experimentally infected *Musca autumnalis* De Geer (Diptera:Muscidae). 51st Annual Meeting of the Eastern Branch of the Entomological Society of America. Hershey, PA.

Stoffolano, J.G., Jr. Oct. 11, 1979. Long-range research plans on greenheads in Massachusetts salt marshes. 25th Annual Meeting of the Northeastern Mosquito Control Association, Inc. Pittsfield, MA.

Stoffolano, J.G., Jr. June 21, 1980. Radio talk, Commonwealth Journal. Controlling the saltmarsh greenhead in Massachusetts.

Pietra, P. and J.G. Stoffolano, Jr. 1980. Electrophysiological responses of the labellar and tarsal chemosensilla of *Tabanus nigrovittatus* to salt, sugar and blood stimulation. Presented at the IV European Chemoreception Workshop, Holland.

Stoffolano, J.G., Jr. Oct. 13, 1980. Invited seminar presented to the Department of Entomology, University of Maryland. "Sensory Physiology and Feeding Behavior of Horse Flies."

Stoffolano, J.G., Jr. Feb. 17, 1981. Seminar presented to the Department of Entomology, Amherst, MA. "Feeding Behavior of Hematophagous Tabanids."

Stoffolano, J.G., Jr. Oct. 15, 1981. "Sensory Physiology and Feeding Behavior of Horse Flies." Papers presented at the 10th International Chemoreception Workshop on Insects. Maryland.

Stoffolano, J.G., Jr. Dec. 3, 1980. "Morphological Studies of the Tarsal and Labellar Chemosensilla of the Tabanid, *Tabanus nigrovittatus* Macq. (Diptera:Tabanidae). Paper presented at the National Meetings of the Entomological Society of America. Atlanta, GA.

Allan, S.A., J.G. Stoffolano, Jr., and R.B. Bennett. Dec. 3, 1980. "Spectral Sensitivity Studies on Saltmarsh Tabanids." Paper presented at the National Meetings of the Entomological Society of America. Atlanta, GA.

Allan, S.A. and J.G. Stoffolano, Jr. Oct. 29, 1980. "Response of the greenhead, *Tabanus nigrovittatus* on the salt marshes of Essex Co., Mass." Paper presented at the 26th Annual Northeastern Mosquito Control Assoc. Sturbridge, MA.

Graham, N. and J.G. Stoffolano, Jr. Oct. 29, 1980. "Egg laying behavior of the greenhead, *Tabanus nigrovittatus* on Cape Cod Marshes." Paper presented at the 26th Annual Northeastern Mosquito Control Association, Stockbridge, MA.

Stoffolano, J.G., Jr. March 28, 1981. "Factors regulating biting in *Tabanus nigrovittatus*." Paper presented at the 2nd Northeastern Arbovirology and Medical Entomology Meeting. Armonk, N.Y. Fordham University.

Stoffolano, J.G., Jr. June 23, 1981. "Current research on the vision, feeding behavior and egg laying behavior of *Tabanus nigrovittatus*." Paper presented at the NEC-26-Biting Fly Workshop. Virginia.

Allan, S.A. and J.G. Stoffolano, Jr. Oct. 1, 1982. "Effect of background contrast on collection of *Tabanus nigrovittatus* Macquart (Diptera: Tabanidae) on colored sticky panels." Paper presented at the Eastern Branch Meeting of the Entomological Society of America. Hartford, CT.

Geden, C.J. and J.G. Stoffolano, Jr. Dec. 1, 1982. "Colonization of the House Fly Predator, *Carcinops pumilio* using *Coproica hirtula* as a Prey Source". Paper presented at the National Meetings of the Entomological Society of America. Toronto, Canada.

Allan, S.A. and J.G. Stoffolano, Jr. Nov. 30, 1982. "Effect of Hue Versus Intensity on Collection of *Tabanus nigrovittatus* Macquart (Tabanidae: Diptera) Adults. Paper presented at the National Meetings of the Entomological Society of America. Toronto, Canada

Stoffolano, J.G., Jr. Dec. 1, 1982. The Sensory Physiology of Tabanids. Tabanid Workshop. Paper presented at the National Meetings of the Entomological Society of America, Toronto, Canada.

Invited Talks

Stoffolano, J.G., Jr. 1968. Diapause in face fly, *Musca autumnalis*. Dept. of Entomology, Univ. of Wageningen, Netherlands.

Stoffolano, J.G., Jr. 1968. Diapause in face fly and its associated nematode parasite. Pest Infestation Laboratory, Lyngby, Denmark.

Stoffolano, J.G., Jr. 1970. A worm and a fly. Dept. of Entomology, Rutgers University. Rutgers, N.J.

Stoffolano, J.G., Jr. 1971. Extrinsic control of behavior. Dept. of Psychology, Psychobiology Division, University of Mass.

Stoffolano, J.G., Jr. 1972. Host specificity of Entomophilic Nematodes. Workshop on Nematode Control of Insect Pest. Experimental Parasitology Conference on Biological Control with Parasites. Lehigh Univ. Bethlehem, PA. June 19-21, 1972.

- Stoffolano, J.G., Jr. 1972. Central Control of Feeding in Diapausing Adult *Phormia regina* (Meig.) (Diptera:Calliphoridae). 14th International Congress of Entomology. Canberra, Australia, from August 22-30, 1972.
- Stoffolano, J.G., Jr. 1972. Behavioral Studies of the Genus *Musca* (Diptera:Muscidae). 14th International Congress of Entomology. Canberra, Australia, from August 22-30, 1972.
- Stoffolano, J.G., Jr. 1972. Insect Nematode, *Heterotylenchus*, Parasitizing the Face Fly, *Musca autumnalis*. Presented to the Entomology Department. Univ. of California, Berkeley, CA Sept. 1972.
- Stoffolano, J.G., Jr. 1973. "Is Sex Any Different Than Science (Ageing as a Process)?" Presented to the Biology Dept., Southeastern Mass. University of North Dartmouth, MA April 12, 1973.
- Stoffolano, J.G., Jr. 1973. "Is Sex Any Different Than Science?" Presented to the Rotary Club of Amherst at the Lord Jeffrey Inn. April 26, 1973.
- Stoffolano, J.G., Jr. 1973. "Is Sex Any Different Than Science?" Presented to the Biology Club of the State Univ. of New York at Oswego. Oswego, N.Y. Feb. 26, 1973.
- Stoffolano, J.G., Jr. 1973. Biology and Habits of the Housefly in Restaurants. 33rd Eastern Conf. of the National Pest Control Association. Jan. 30-31, 1973, at New Haven, CT.
- Stoffolano, J.G., Jr. 1973. The Senescent Fly and the Control of Feeding. Presented to the biology class of Dr. Gussin at Smith College. April 24, 1973.
- Stoffolano, J.G., Jr. 1973. The Senescent Fly. Presented to the Science Department of Mount Holyoke College. Sept. 18, 1973.
- Stoffolano, J.G., Jr. 1973. Face fly research: Ageing, diapause and eyeworm transmission. Invited talk presented to Entomology Department, Univ. of North Carolina at Raleigh, N.C. Nov. 12, 1973.
- Stoffolano, J.G., Jr. 1974. Insects and the Elementary School Teacher. Presented at the School of Education Marathon, University of Mass. Amherst, MA April 17, 1974.
- Stoffolano, J.G., Jr. 1974. What is an Insect? Present to the 3 & 4 yr. old class at Skinner Hall, University of Mass. Amherst, MA. April 18 and 19, 1974.
- Stoffolano, J.G., Jr. 1974. Using Insects in the Classroom. Presented to the TPAM group, School of Education, Marks Meadow School. Mr. Fitzmaurice presided. May 1, 1974.
- Stoffolano, J.G., Jr. 1974. Insects and Science Education. Presented to the Science Methods class of Dr. K. Schultz. Marks Meadow School. May 1, 1974.
- Stoffolano, J.G., Jr. 1974. Insects and Elementary Science Education. National Entomological Society of America Meeting. Minneapolis, Minn.

Stoffolano, J.G., Jr. 1974. Biological Aspects of Ageing. Presented at the weekend workshop for Continuing Education, University of Mass., entitled, Death & Dying. July 28, 1974. Mr. R. Reisler, Jr. presided.

Stoffolano, J.G., Jr. 1974. What's Ahead in the Control of Apple Insect Pests. Presented at a meeting for the fruit growers on June 20, 1974. Joe Constante presided.

Stoffolano, J.G., Jr. 1974. Investigations of glands and sensory receptors of the apple maggot and other Diptera as they relate to potential control of pest species. presented to the Mass. Fruit Advisory Board. Held March 20, 1974, at the Belchertown Orchards.

Stoffolano, J.G., Jr. 1974. Influence of age on chemoreceptor sensilla. Presented to the Biology Division Seminar Program. Kansas University. Lawrence, Kansas.

Stoffolano, J.G., Jr. 1974. Recent research on face fly and its parasitic nematodes. Presented to the Entomology Club. Kansas University. Lawrence, Kansas.

Stoffolano, J.G., Jr. 1974. Integrative Approach in Entomological Research. Presented to the Fernald Club. Dept. of Entomology, University of Mass., Amherst, MA.

Stoffolano, J.G., Jr. 1975. The process of Ageing as Seen Through the Eyes of a Fly. Presented to the Amherst Women's Club.

Stoffolano, J.G., Jr. 1975. Beneficial Insects. Presented to Mrs. Litchfield's Kindergarten Class.

Stoffolano, J.G., Jr. 1975. Insects in Your Life. Presented at the Northfield Mountain Field Station, Northfield, MA

Stoffolano, J.G., Jr. 1975. Insects in Your Life. Presented to 15 nursery school children from the North Village Day Care Group.

Stoffolano, J.G., Jr. 1975. Entomology: An exciting career. Presented to Stan Kwong's group of 13 Upward Bound Students (11th and 12th grades). Univ. of Mass.

Stoffolano, J.G., Jr. 1975. The Practical Aspects of Integrated Pest Management - Now and in the Future. Presented to the Fruit Growers Twilight Meeting at Sterling, MA.

Stoffolano, J.G., Jr. 1975. Is Science Any Different Than Sex - The Process of Biological Ageing. Invited Key-Note Speaker for the Annual Meeting of the North Dakota Science Teachers Association. Fargo, North Dakota.

Stoffolano, J.G., Jr. 1975. The Effect of Aging on Insect Chemoreceptor Sensilla. Presented to the Entomology Department, North Dakota State University and the Researchers of the U.S.D.A. Agricultural Research Division, Radiation and Metabolism Lab. Fargo, N.D.

Stoffolano, J.G., Jr. 1975. Behavioral and Anatomical Differences Within the Diptera. 47th Annual Meeting of the Entomological Society of America. Philadelphia, PA.

- Stoffolano, J.G., Jr. 1975. Beneficial Insects. Presented to the Kindergarten Class. Leverett Elementary School.
- Stoffolano, J.G., Jr. 1975. An Ideal Biological Model System: *Phormia regina*. Presented to the Fernald Club. Univ. of Mass., Amherst, MA.
- Stoffolano, J.G., Jr. 1976. Nematode parasites associated with the face fly, *Musca autumnalis* (DeGeer). Presented at the Entomology Luncheon Club. Cornell University.
- Stoffolano, J.G., Jr. 1977. Face fly and its nematode parasites. Sept. 20. Presented to the Biology Division of the Centre for Overseas Pest Research. London, England.
- Stoffolano, J.G., Jr. 1977. Nematode parasites of face fly. Nov. 1. Presented to the Entomology Dept. of the British Museum of Natural History. London, England.
- Stoffolano, J.G., Jr. 1977. The face fly and its nematode parasites. Presented to the Entomology Department of the British Museum of Natural History. London, England. Nov. 1st.
- Stoffolano, J.G., Jr. 1977. The eyeworm parasites of cattle in the United States. Presented to the Veterinary and Entomology Departments. Surrey, England. Nov. 17th.
- Stoffolano, J.G., Jr. 1977. Effect of diapause on feeding behavior of blowflies. Presented to the Dept. of Entomology. Imperial College, Silwood Park, England. Dec. 14th.
- Stoffolano, J.G., Jr. 1977. Face fly and its nematode parasites. Presented to the Biology Division. Centre for Overseas Pest Research. London, England. Sept. 20th.
- Stoffolano, J.G., Jr. 1977. The post ecdysial fast in fifth instar *Locusta migratoria*. Presented to the Biology Division. Centre for Overseas Pest Research. London, England. Nov. 28th.
- Stoffolano, J.G., Jr. 1978. Common Insects in Leverett. Presented a 3 hour workshop to Leverett Elementary School Teachers. March - at Leverett School.
- Stoffolano, J.G., Jr. 1978. Thelazia, eye worm parasites of cattle and horses in the United States. Presented to Dept. of Veterinary and Animal Sciences, University of Mass. Feb. 27th.
- Stoffolano, J.G., Jr. 1978. Thelazia, eye worm parasites of cattle and horses in the United States. Presented to the Department of Entomology. Colorado State University, Fort Collins, Colorado. July 10th.
- Stoffolano, J.G., Jr. 1979. Presented talk on "Teaching General Entomology" at the 51st Annual Meeting of the Entomological Society of America, Eastern Branch, Hershey, PA.
- Stoffolano, J.G., Jr. 1980. Feeding behavior of the salt marsh, hematophagous tabanid, *Tabanus nigrovittatus*. Presented to the Department of Physiology. University of Cagliari. Cagliari, Italy. Jan. 15th.

Stoffolano, J.G., Jr. 1980. Feeding behavior of the hematophagous tabanid. Behavioral and electrophysiological research on *Tabanus nigrovittatus*. Presented to the Department of Zoology. University of Cagliari. Cagliari, Italy. Jan. 30th.

Stoffolano, J.G., Jr. 1981. Spoke to Jr. High School Science Class in Amherst about insects. Sept. 25, 1981.

Stoffolano, J.G., Jr. 1982. Luncheon speaker for the Leverett Senior Citizens. "Insects in your lives." Aug. 27, 1982. Town Hall in Leverett.

Stoffolano, J.G., Jr. 1982. Spoke to Dr. Spielman's Medical Ent. Class at Harvard on May 1, 1982, about tabanids in the saltmarsh.

Stoffolano, J.G., Jr. Dec. 20, 1982. The Sensory Physiology of Tabanids. Invited Lecture at Department of Entomology, Pennsylvania State University, University Park, PA.