

Bio-control Matters

President's Corner:

(By Don Elliott, President, ANBP)

This will be my last year term as President and I must say that although I had great trepidation at first, it has been a great experience! It is sometimes quite a rush to be a "mover and a shaker". I would highly recommend that members consider serving on the board or on one of the committees or running for office as secretary, treasurer, vice-president or president. It was also pleasure to work so closely with many of our current board members. And finally, I would like to thank the ANBP long term Executive Director, Maclay Burt for keeping me on the right path and on time.

It looks as if the ANBP Conference Committee, Angela Hale, Richard Ward and Jake Blehm have an exciting meeting and events lined up for us in Colorado Springs October 1 and October 2. Check out the ANBP web site <http://www.anbp.org/> for registration and

meeting details. The day before the Conference on Thursday, September 30 the ANBP Board and ASTM Quality Control Group meetings will be held. One of the main items that the board has been dealing with the past several years has been new USDA-APHIS regulatory rules for importation of biological control agents into the USA as well as a torrent of new international

regulations proposed by a number of international agencies. This process has been costly of both time and ANBP

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CONFERENCE 2004

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ANBP's Mission Statement

ANBP's Mission is to address key issues of the biological control industry through advocacy, education, and quality assurance.

“Bio-Control Matters” is published by the Association of Natural Bio-control Producers four times per year to provide members with information, thought and opinion on biological control affairs. **Bio-Control Matters** advocates the interests of commercial biological control and the public interest of quality agricultural production and environmental protection. **Bio-Control Matters** welcomes contributions of comment and opinion, as well as articles of general interest. All contributions must be signed by the contributor. Send contributions for consideration to Maclay Burt, ANBP Executive Director, 2230 Martin Drive, Tustin Ranch CA 92782. Phone/fax (714) 544-8295. (E-mail execdir@anbp.org). Published contributions may not necessarily reflect the views or policy of ANBP.

ANBP was formed in 1990 by commercial insectaries to provide a united voice in regulatory issues facing the industry. ANBP is also dedicated to quality standards and educating the agricultural and academic communities about the importance of biological pest controls for pest management. ANBP membership exceeds 100, including 46 producers and/or suppliers. Through its efforts, ANBP is recognized as THE spokesman for the commercial biological control industry.

ANBP Board

- Don Elliott, President (Applied Bio-nomics Ltd)
- Tom Kueneman Vice President (Plant Sciences, Inc./Koppert)
- Carol Glenister Secretary (IPM Laboratories)
- Dan Cahn Treasurer (Syngenta Bio-line, Inc.)
- Jake Blehm (Buena Biosystems)
- Kimberly Gallagher (Sterling Nursery)
- Angela Hale (The Bug Factory)
- Eda Reinot (Becker Underwood)
- Richard Ward (Biobest Canada Ltd)

Contributing Members

ANBP is pleased to recognize the following members for their interest in biocontrol and their generous support of ANBP's programs and goals.

- California Avocado Commission
- Donald L. Flaherty
- Pest Management Associates
- The Morning Star Packing Company

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member and association dollar resources. I think there has been progress made due to the hard work of many board members and especially the great efforts of Regulatory Committee chairman Dan Cahn and other committee members. Many USDA APHIS authorities have also worked hard to try and make our products make it safely through the new homeland security and other regulatory barriers. More regulation seems to be a fact of doing business now and the ANBP must continue to work with researchers and regulators to make sure that any new regulations that are imposed make sense or we will no longer have a biocontrol industry.

The ANBP efforts at developing quality control standards through the ASTM have been greatly advanced under the Quality Control committee chairperson Carol Glenister and members. Special mention should be given to the workshops set up by Anna Luczynski, and Cornell University Population Biologist Jan Nyrop. Through their tireless efforts ANBP members have been given a new understanding of statistical analysis involving sampling populations of biological control agents. The good news is (if I get the terms right) that the newly developed ASTM quality control sampling tests for *Persimilis* and *Encarsia* seem to have passed the rigid statistical analysis with a high degree of precision and with little bias!

I hope to see you in Colorado!

Regulatory Report:

(By Dan Cahn, Chair, Regulatory Committee)

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The good news is that USDA APHIS working with ANBP have resolved importation issues at several key ports of entry into the US. Canadian and European producers that import through Detroit, New York and Los Angeles now have reliable procedures in place with USDA minimizing any extra delays.

The bad news is that shipments from Canada by Federal Express through either Oakland or Memphis, is still unreliable and subject to unacceptable delays. We emphasized in a meetings with APHIS in the office of the Chief of Staff to Agriculture Secretary Veneman, that it is very difficult for small companies to do business without using the major package delivery services, like FedEx. APHIS promised to work on a solution.

We were uncomfortable with the solution presented. There are only four PPQ inspectors in the state of Tennessee. To import a shipment from Canada, the shipper must give advance notice to USDA and schedule six hours of - customer paid - overtime (FedEx shipments move through Memphis in the middle of the night). Then like clockwork upon arrival, freight must be unloaded from inbound air freighters, sorted, delivered to USDA for inspection, moved to Customs, cleared and returned to FedEx to be resorted and loaded on the outbound freighter. It is not hard to see that this is a tall order, under the best of circumstances, to accomplish in three hours. And in fact, in test shipments the shipments were delayed for at least one and sometimes two days.

In a recent letter to USDA we have repeated our position that shipments previously moved through Memphis with a high degree of reliability - before USDA inspectors were moved to Department of

Homeland Security - and before they began insisting on outside PPQ inspectors opening and sampling bio-control shipments. The former inspectors are still at Memphis now wearing DHS badges and they routinely work the night shift - no overtime. We believe they are still qualified to inspect shipments and further there is no reason for routinely sampling biocontrol shipments. The producers of biocontrols are a small number of companies that are well known to APHIS. The industry has an excellent record of responsibility and safety.

On behalf of ANBP I would like to thank everybody that made extra contributions to the special regulatory fund this year. You saved the day and we appreciate it.

Regulatory Fund Contributors:

ANBP has experienced extraordinary expenses in dealing with the recent APHIS/Homeland Security regulations that are restricting movement and increasing costs of all biocontrol imports now entering the US.

Well over \$10,000 has been spent, including attorney and lobbyist fees, along with ANBP travel to Washington for Congressional and APHIS meetings.

ANBP is gratified at many members' generous voluntary contributions to defray some of these costs.

They include:

- Applied Bio-Nomics
- ARBICO
- Bio Control of Weeds
- Biobest Canada
- Biocontrol Systems
- Buena Biosystems

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- Bug Factory
- Ecosolutions
- Florikan
- IPM Laboratories
- Koppert Bio. Systems
- M&R Durango
- MGS Horticultural
- Nadler Farms
- Natural Insect Control
- ORCON
- Plant Sciences
- Sespe Creek
- Spalding Laboratories
- Sterling Insectaries
- Syngenta Bioline, Inc.
- The Green Spot

Call for Nominations:

At the October 1, 2004 Annual General Meeting at Conference 2004, three people will be elected to three-year terms as members of the Board of Directors.

All Producer Members and Distributor Members are eligible to stand for election.

Any member may nominate someone who is a Producer or Distributor member.

Please e-mail your nomination to Nominations Chair Angela Hale at ahale@thebugfactory.ca

Committees 2004:

- **Regulatory:** Cahn (Chair), Elliott, Glenister, Ward
- **Research Needs:** Hale (Chair), Blehm, Cahn, Ward
- **Liaison and Education:** Gallagher (Chair), Elliott, Glenister, Luczynski, Wainwright-Evans
- **Nominating:** Hale (Chair), all Board members
- **Audit:** All Board members
- **Conference:** Ward (Chair), Hale (Program Chair), Blehm
- **Quality Control:** Glenister (Chair), Elliott, Luczynski

ASTM Report:

(By Committee Chair Carol Glenister)

The next ASTM meeting will be held on September 30, 2004 from 1 to 5 PM at the Radisson Inn North in Colorado Springs. Standards will be discussed for Aphidoletes, Encarsia, Eretmocerus, N. cucumeris, Orius, P. persimilis, and Fly Parasites. Other key issues will include task group strategies and international cooperation. This ASTM subcommittee meeting is open to anyone who wishes to attend. A report on the last meeting in Niagara Falls can be found in the Spring 2004 Bio-control Matters.

IPMnet NEWS:

(Excerpts From Issues #126, 127)

THE ECOLOGY OF WEEDS

A 2003 textbook focuses on the link between ecological principles and the invasion of unwanted plants (weeds), basically describing why and where weeds occur. WEED ECOLOGY IN NATURAL AND AGRICULTURAL SYSTEMS, note authors B.D. Booth, et al., makes no attempt to discuss weed management, but emphasizes how and why weeds neatly fit into their environment. The softbound, 311-page monograph dwells on concepts and presents a refreshing view that has appeal to a broad audience beyond the realm of weed science. "In the long term," the authors point out, understanding the fundamentals of weed distribution and abundance "may change our attitudes and perceptions towards weeds and alter the way we manage them." CABI Publishing, Wallingford, Oxon OX10 8DE, UK. Eml: mailto:cabi@cabi.org. Fax: 44-0-1491 833508. Phone: 44-0-1491-832111. Web: <http://www.cabi-publishing.org/bookshop/>

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index.asp.

 BIOCONTROL OVERVIEW

Applied biocontrol is one of several key strategies in the IPM toolbox. A new (2003) monograph, PREDATORS AND PARASITOIDS, examines the role of natural enemies in crop protection as an IPM concept, with editors/scientists O. Koul and G.S. Dhaliwal noting that biocontrol, as both concept and applied practice, is too often shoved aside in managed agriculture. Based on nine chapters by specialists in biocontrol, this hardbound text considers all the expected topics--augmentation, multiparasitism, synergism--and more. The monograph's 199 pages offer a useful compilation of current biocontrol activities. CRC Press, 2000 Corporate Blvd. NW, Boca Raton, FL 33431-9868, USA. Eml: mailto: KLewis@crcpress.com. Fax: 1-877-868-3083. Phone: 1-877-272-7737. Web: http://www.crcpress.com.

 PHEROMONE LIST REACTIVATED

Beginning January 2004, The Pherolist, a long running (since 1986) database of chemicals identified from sex pheromone glands of female Lepidopteran insects and other chemicals attractive to male moths, gained a new operating group and website via <http://www-pherolist.slu.se>, as maintained by MISTRA (Stockholm, Sweden) and the IOBC Working Group "Pheromones and Other Semiochemicals in Integrated Production." The group, P. Witzgall, et al., note that while the list will "never be complete," an effort is underway to continue to update and expand it. Interested parties are invited to contact the Group if a reference is found to be missing. Photos (as GIF or JPEG files) are equally welcome and will be acknowledged. Future planned updates will also include pheromones of other insect orders. Peter Witzgall, SLU, Box 44, S-230 53 Alnarp, SWEDEN. Fax: 46-40-461991. Eml: mailto:Peter.Witzgall@vv.slu.se. Phone: 46-40-415307.

Member Profile:

One of occasional articles of interest about ANBP members.

Ed. Note: Dean Creeger has been a member of ANBP for several years. He's a certified Master Gardener with strong interests in pest management and biocontrol. Of unusual interest, is his location. He's an inmate at Michigan's Marquette Branch Prison. I asked him if he'd like to write about his experiences and problems with crop protection. His response follows. "I started in the horticulture field in 1996 at the Kinross Prison with a program that grows flowers and vegetables for the needy. We got MSU Extension to come in with a Master Gardener Program. After a few years, I took

the course and became a Master Gardener Then I took the Diagnostic Technician advanced course .

Then the started a nature pro- took all courses: Applica- inform what when I Turf age- ment, Mainte- Well, I



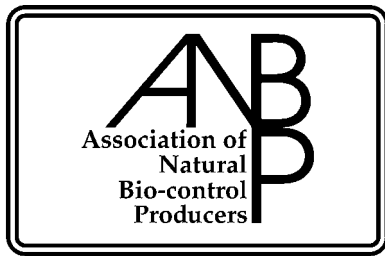
Dean Creeger at his "bug board"

prison Horticul- gram and I the Pesticide tion (to people NOT to use get out!), Grass Man- Landscape nance. got a job as

a Teacher Aide. I took care of all the Kinross IPM problems and gave a lot of lectures. I even taught the IPM section of the Master Gardener class for two years. Kinross had a very good program and let me get natural pesticides from Gardens Alive. I only used the pesticides when the problem got out of hand. For the greenhouse, I would look for lady-beetles and Lacewing eggs, put them next to the infested plants and let the good bugs do their work!

Here at Marquette, I run the greenhouse and take care of the IPM problems that pop up, but it's nothing like at Kinross. I can't have any kind of pesticides, so I have to use a hard stream of water to knock the pests off the plants, or relocate any lady-beetles or Lacewings I can find. This job has not been easy, but you do what you can. I start with trying to have healthy soil and attract the good bugs to the gardens. When I get out, I want to stay in the horticulture field and advise on the importance of using IPM programs.

I read about ANBP in the American Nursery magazine. I was looking everywhere for biocontrol information. Keep up your good work and keep using the good bugs!! Hope you had a good season this year."



www.anbp.org

CONFERENCE 2004



“Commercial Bio-control: Private Industry and Public Support”

October 1-2, 2004

Radisson Inn North

Colorado Springs, Colorado

8119 North Academy Boulevard

Colorado Springs CO 80920

(719) 598-5770, Fax (719) 598-5965

Notes from Conference Program Chair Angela Hale

Don't Miss Out!!! Early Registration and hotel deadline is August 29, 2004.

Highlights: Keynote Address: Charles Benbrook (Benbrook Consulting Services) will be speaking on "Essential Steps to Bring Biopesticides and Beneficials into the Mainstream of Pest Management." Research Scientists from USA and Canada will discuss field performance of beneficials and technology transfer. An entire session is dedicated to efforts to facilitate international movement of beneficials with presentations on the current situation in North America and Europe. Excursion: Included in registration is a bus tour to a high-tech propagation greenhouse followed by a drive-by tour of natural sights followed by a Western banquet and evening entertainment.

Theme: “Commercial Bio-control: Private Industry and Public Support” reflects the need for the commercial bio-control industry to maintain its positive image and have support from the general public and also continue to work with the public sector. For our industry to grow and thrive, we must continually strive to improve communication with government officials and researchers. The program includes sessions intended to interest all stakeholders in the commercial biocontrol industry, provoking thought and discussion on important topics that can enhance or threaten our industry.

Registration: Go to www.anbp.org and complete the printable registration form. To assure maximum security, mail it, your check or credit card information (name, account number, exp. date)

to ANBP, 2230 Martin Drive, Tustin CA 92782, Phone or Fax 714 544 8295. Email execdir@anbp.org. Please DO NOT use US government credit cards, as ANBP is not an approved vendor. The Conference fee of USD295 (USD350 after August 29, 2004) includes all sessions, breaks, 2 luncheons, a September 30 welcome wine and cheese reception and a Western Barbeque and show on October 1. Guest participation and fees can be arranged on a request basis.

The hotel has a limited room block at USD79 single/double Until August 29, including a full breakfast and airport transportation. *Book direct with hotel.*

Note: overflow accommodations should be available at next-door Comfort Suites. Phone 719 536 0731, Fax 719 536 0152.

Commercial Bio-control: Private Industry and Public Support

Radisson Inn North

8110 North Academy Blvd.

Colorado Springs, CO 80920

(719) 598-5770 (719) 598-5965 Fax

October 1-2, 2004, Colorado Springs, CO, USA

Registration: www.anbp.org or contact Maclay Burt, ANBP Executive Director at execdir@anbp.org or phone/fax 714 544 8295

Conference Chair: Richard Ward

Program Chair: Angela Hale

Day 1: Thursday, September 30, 2004

0800-1200 ANBP Board Meeting

1200-1300 *Working Lunch*

1300-1730 ASTM Quality Standards Meeting and Workshop

1730-1900 *Wine and Cheese Reception and Mixer (sponsored by HydroGardens)*

Day 2: Friday, October 1, 2004

0800-0815 Welcome and Announcements

0815-1000 Public Perception of Biological Control and Discussion of Ethical Dilemmas Within

Industry

0815-0845 James Matteoni, Kwantlen University College, "Urban Bug Gardens as Tools for Public Awareness of Biocontrol"

0845-1000 **Panel Discussion with Goal of Revising Code of Ethics**

Mike Morton (Hydro Gardens) "Companies must not purchase breedstock without disclosure"

Carol Glenister (IPM Laboratories) "A premium price should be charged for pure cultures to be used from breedstock"

TBA "Collection and sale of field collected ladybeetles: How long will this practice continue?"

TBA "How much latitude should be given for explaining expected effectiveness of biocontrol agents to home gardeners?"

1000-1015 Coffee Break

1015-1200 Technology Transfer: From Research to Practical Application

1015-1045 Thomas Coudron (USDA-ARS, Biological Control of Insects Research Laboratory) “Improving Insects on Diets.”

1045-1115 Walker Jones (USDA-ARS, Beneficial Insect Research Unit) “New Product Development and Models for Transfer of Technology from Research Laboratory to Commercial Industry.”

1115-1145 Mark Casada (USDA-ARS, Grain Marketing and Production Research Center) “Maintaining Temperatures during Beneficial Insect Shipment.”

1145-1215 Stephane Dupont, (Biocontrol Network) /Doug Street, (USDA-ARS Stoneville Facility) , Norm Leppa, (AMRQC) (To be Confirmed) “Update on Associated Organizations.”

1215-1315 Buffet Lunch

1300-1430 Marketing Organic and Pesticide-Reduced Produce: What Does the Consumer Really Want?

1315-1345 Dean Tiessen, (Commercial Vegetable Greenhouse Grower) “How can Commercial Biocontrol Industry support Growers in Lobbying Grocery Giants to Market Pesticide Free Produce?”

1345-1415 TBA “Marketing Organic Produce”

1500-2100 Excursion by bus from hotel to propagation greenhouse (Rocky Mountain Growers), followed by tour of local sights, western theme BBQ and entertainment. (Bus transport sponsored by United States Department of Agriculture- Agriculture Research Service)

Day 3: Saturday, October 2, 2004

0800-0830 Announcements

0830-1015 Field Performance of Augmentative Biocontrol Agents

0830-0915 David James, (Entomologist, Prosser Irrigated Agriculture Research and Extension Center, Washington State University.) “Using Synthetic Herbivore-Induced Plant Volatiles to Enhance Conservation Biological Control on Crop Ecosystems: Field experiments in Hops and Grapes.”

0915-1015 David Gillespie, (Research Scientist, Agriculture and Agri-Food Canada). “Application of Green Lacewing Adults for Biological control of Aphids in Greenhouse Pepper Crops.”

1015-1045 Graeme Gowling, Becker Underwood Ltd. “The Establishment of Nematodes as Biocontrol Agents.”

1045-1100 Coffee Break

1100-1200 Special Presentation: ANBP Award of Excellence to Dr. Fred Legner

Mike Rose, Beneficial Insectary (to be confirmed): A review of Dr. Legner's contributions to Biological control

1200-1245 Buffet Lunch

1245-1415 Key-note Speaker and ANBP Annual General Meeting

12:45-13:45 **Key-note Speaker: Charles Benbrook** (Benbrook Consulting Services)

“ Essential Steps to Bring Biopesticides and Beneficials into the Mainstream of Pest Management”

13:45-14:15 Annual General Meeting of the Association of Natural Bio-control Producers

1415-1615 Importing and Exporting: Facilitating International Movement of Commercial Biocontrol Agents.

1415-1445 Dan Cahn (Chairman, ANBP Regulatory Committee) “The USA Situation.” Results of ANBP's Efforts to Facilitate International Imports of Beneficials

1445-1515 Richard Greatrex (Chairman, IBMA Invertebrate Beneficials) “The European Situation.” Results of IBMA's Efforts to Facilitate Movement of Invertebrate Biological Control Agents.

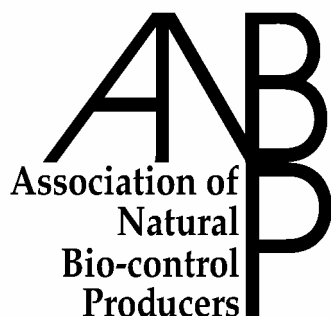
1515-1545 Joseph Vorgetts (Chairman, North American Plant Protection Organization, NAPPO) “NAPPO's Role in Facilitating movement of Invertebrate Biological Control Agents between Member Countries.”

1545-1615 Robert Flanders (USDA-APHIS, PPQ) “ The Role of APHIS In Facilitating Movement of Invertebrate Biological Control Agents.”

1615-1730 New ANBP Board Meeting

Upcoming Meetings, Workshops and Events

Date	Title	Location	Contact info
Aug 15-21, 2004	Int'l Congress of Entomology	Brisbane, Australia	www.ice2004.org
Sept 30-Oct 2,	Florida Nursery and Allied Trades Show	Orlando, FL, USA	www.fnats.org
Oct 1-2, 2004	ANBP Annual Conference and AGM 2004 "Commercial Bio-control: Private Industry and Public Support"	Colorado Springs, Colorado, USA	www.anbp.org
Oct 5-9, 2004	2 nd European Whitefly Symposium	Cavtat, Croatia	www.whitefly.org/ewsii-info.html
Oct 6-7, 2004	Canadian Greenhouse Conference	Toronto, ONT, Canada	www.canadiangreenhouseconference.com
Oct 18-22, 2004	North American Plant Protection Organization (NAPPO) Annual Meeting	Vancouver, BC, Canada	www.nappo.org
Oct 20-21, 2004	Setting the Table: Tools and Techniques for a Sustainable Food System	Burlington, VT, USA	www.uvm.edu/~nesare
Nov 3-6, 2004	International Horti Fair (NTV)	Amsterdam, The Netherlands	www.hortifair.nl
Nov 14-17, 2004	ESA Annual Meeting	Salt Lake City, Utah	www.entsoc.org
Sept 12-16, 2005	2 nd Int'l Symposium on Biological Control of Arthropods	Davos, Switzerland	ISBCA@bluewin.ch



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