



Nematology Newsletter

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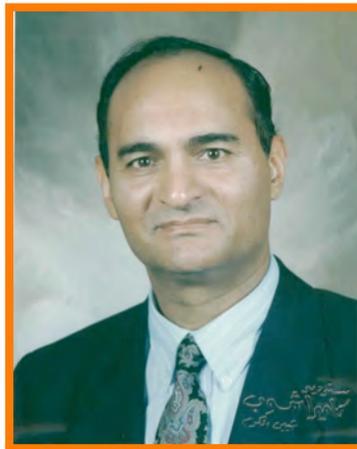
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From President Hafez



Aloha and Happy New Year! It is time to meet again and share the views with our colleagues. Yes, we are going to meet from June 18-21, 2006 at the magnificent island Kauai and experience the Hawaiian hospitality. Many people show no hesitation when asked, "What's your favorite island?" "Kauai" they say. Every Hawaiian island has its own feel, its own mystique and personality, and to these people, Kauai feels *just right*.

It is said that Kauai has more beautiful beaches for its size than any other island. We should make Kauai see more nematologists than any place. It is the duty and privilege of every nematologist to make a goal to attend this spectacular meeting in Hawaii. Also you should take an oath to bring at least one new member to the Society before the forth-coming meeting. It is one of the ways to make our Society the number one among the other scientific Societies. Here I want to quote an excerpt from a speech by Vince Lombardi.

"WHAT IT TAKES TO BE NUMBER ONE"

"Winning is not a sometime thing; it's an all-the-time thing. You don't win once in a while, you don't do things right once in a while, you do them right all the time. Winning is a habit. Unfortunately, so is losing..."

"It's a reality of life that men are competitive and the most competitive games draw the most competitive men. That's why they're there -- to compete. They know the rules and objectives when they get in the game. The objective is to win -- fairly, squarely, decently, by the rules -- but to win."

"And in truth, I've never known a man worth his salt who in the long run, deep down in his heart, didn't appreciate the grind, the discipline. There is something in good men that really yearns for, needs, discipline and the harsh reality of head-to-head combat."

"I don't say these things because I believe in the 'brute' nature of man or that men must be brutalized to be combative. I believe in God, and I believe in human decency. But I firmly believe that any man's finest hour -- his greatest fulfillment to all he holds dear -- is that moment when he has worked his heart out in a good cause and lies exhausted on the field of battle -victorious."

The meeting program and the symposia organization by the President Elect Ann MacGuidwin are very exciting. We have a great local arrangement team under the guidance of our Secretary Brent Sipes who are dedicating their invaluable time and resources for the meeting arrangements. It is our responsibility to provide support and encouragement by providing the necessary information to

(continued on page 2)

them quickly and effectively when the need arises. I hope we all enjoy a happy, safe and comfortable stay at Kauai. On behalf of the Society and its members, I look forward to seeing you all, and say "When you visit Kauai, you live Kauai".

From the Editor-in-Chief *Journal of Nematology*



DAVID BIRD

In the last Newsletter (December, 2005), I announced that I intended to "revise and simplify the Style Guide." I am pleased to say that those revisions are now complete. The main change has been to develop the Guide as a web-based document, rather than a static 'printed' pamphlet. I have organized the Guide into three main sections: for authors, for reviewers and for Editors.

The authors' section explains how to submit a manuscript and how manuscripts will be handled. For much greater detail on this process, authors may wish to click on the link "Procedures and Instructions for Editors." Not surprisingly, the bulk of the authors' section deals with the correct format for JON. Links lead to instructions for the major journal sections, which also have links to examples (e.g., showing a formatted cover page). Throughout these pages are links to pages with specific details on topics such as "Terminology," "Abbreviations" and "Units of Measure." The "Technical Style Glossary" includes the answers to many formatting details, and authors are encouraged to check there frequently. Not surprisingly, the sections on "Literature Cited" and "Figures" are the longest. Various forms (such as the Offprint Order form and the Copyright

Transfer form) are available for download.

The reviewer page contains the Instructions and a downloadable review page. Of course, reviewers should consult the formatting instructions if they have questions when reviewing a manuscript. Currently, the Editors' page simply has the detailed procedures guide for manuscript processing.

Also included throughout the Style Guide are more clearly stated ethical guidelines and specific instructions pertaining to ethical preparation of manuscripts.

To access the new Style Guide, either go to the SON web site and click on the JON Style Guide link, or go directly to http://www.pngg.org/jon_style/. Because the guide will be constantly revised, authors should check it often; don't forget to have your web browser refresh the page to ensure that you are working with the latest version. I am very grateful for the editorial help with the Guide provided by Reenah Schaffer and am indebted to Jim Gajan for design and construction of the site.

In the last NNL issue, I also mentioned that I would pursue having the Journal listed by and searchable through PubMed (<http://www.ncbi.nlm.nih.gov/Literature/>). I am pleased to say that they have accepted our initial application for review, and I anticipate a reply by the end of February, hopefully with an invitation to complete the application process. I remind you all of the importance of citing papers that have been published in JON when you are writing manuscripts either for JON or any other journal, as this will help raise the Journal's impact factor.

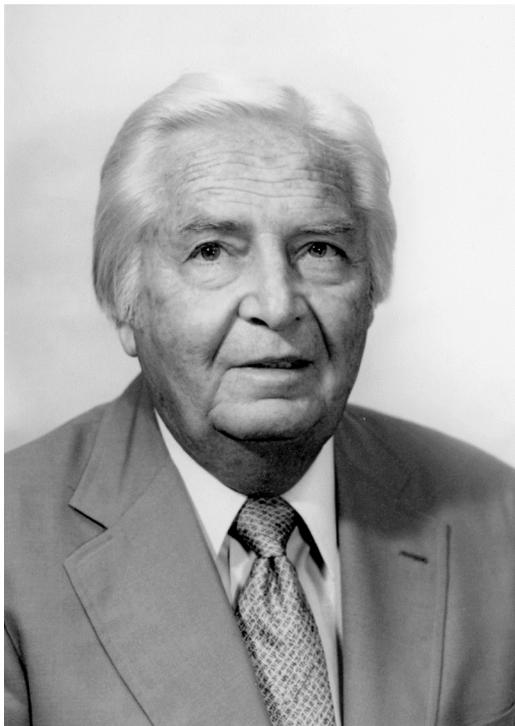
Finally, the JON Editorial Board and I are planning a JON workshop for the annual SON meeting in Hawaii this year. The intent will be to discuss some of the changes in manuscript processing, to help all authors produce better manuscripts (which can be accepted and published more rapidly), and to discuss future changes in the journal aimed at reducing costs, improving the impact, and making our work more widely known. If you have suggestions for specific topics, please contact me.

Tip from the NNL Editor: One of the most common reasons for delayed publication is the improper use of statistics. Please take appropriate measures to ensure that the following is **not** said of your analyses:

"[The author] uses statistics as a drunken man uses lampposts - for support rather than for illumination.

~ Andrew Lang

In Memoriam



BERT LEAR

1917-2005

Dr. Bert Lear, Professor Emeritus of Plant Pathology and Plant Pathologist Emeritus in the Experiment Station at the University of California, Davis, died suddenly at Stanford University Medical Center on November 8, 2005.

An internationally recognized expert in the management of nematode pests of plants through chemical and cultural control practices, Bert Lear was born in 1917 in Logan, Utah. He received his B.S. degree from Utah State University in 1941 following which he was appointed as a U.S.D.A. agent at Utah State University.

Supported by a fellowship from the Dow Chemical Company, Dr. Lear received his Ph.D. degree in Plant Pathology at Cornell University in 1947 under the direction of Dr. A.G. Newhall. His thesis was entitled "The Use of Methyl Bromide and other Volatile Chemicals for Soil Fumigation."

Dr. Lear was appointed Assistant Professor of Plant Pathology at Cornell University in 1943. At Cornell, he pioneered the use of soil fumigants for nematode and

disease control. Among his accomplishments was the development of methods for using liquid formulations of methyl bromide in greenhouse culture of vegetables and ornamental crops. At the Long Island Golden Nematode Laboratory, he worked on the development of split applications of soil fumigants and the use of methyl bromide as a space fumigant for the elimination of nematodes from reusable equipment.

In 1953, Dr. Lear was appointed Assistant Nematologist in the Department of Nematology, University of California, Davis. By 1963, he had been promoted to Professor and Nematologist. He transferred to the UC Davis Department of Plant Pathology in 1974.

At UC Davis, Dr. Lear continued the development of methods for soil treatment with methyl bromide. He also developed analytical methods for measuring the presence and concentrations of methyl bromide and other chemicals in soil, water and plant tissues, and established the database required for E.P.A. registration of methyl bromide for use on several crops, including onion, asparagus, and lettuce, as well as ornamental crops under the IR-4 program. In addition to his pesticide work, he developed non-chemical methods that included hot-water treatments for controlling nematodes in garlic, grape cuttings, rose rootstocks, and begonia.

Dr. Lear taught courses on the Principles of Nematode Control and on Nematode Pathogenicity to Plants. He directed the research of 13 Ph.D. and M.S. degree students.

Dr. Lear was the author of numerous publications and was a member of the American Phytopathological Society, the Society of Nematologists, the Helminthological Society of Washington, the Organization of Nematologists of Tropical America, and the New York Academy of Sciences. Over the years, Dr. Lear served on committees, in his areas of expertise, of the Society of Nematologists and the American Phytopathological Society.

Upon retirement from the University of California, Davis in 1985, Bert and his wife, Anita, moved to Montecito, California, where he continued to travel internationally and to enjoy golf, tennis, gardening, and photography. He is survived by his wife, Anita, and his daughter, Betsy, both of Menlo Park, California, as well as a sister and numerous nieces and nephews.

Submitted by Howard Ferris

News from the Membership



Stock Lab, Sabino Canyon, Tucson, Arizona.: from left to right: Roy Yim, Shaun Peterson, Ahmad Mahasneh, Stephen Pryor-Stock (youngest lab member!), Patricia Stock, Joanna Gress, Pavla Senkyrikova, Eunhee Kwon.

University of Arizona, Tucson

Ahmad Mahasneh, from University of Jordan, joined **Patricia Stock's** laboratory. **Ahmad** is a Wayne Owens Peace Fellow. He will work on ecology of nematodes from desert and semi-desert habitats from Jordan.

Shaun Peterson, from the Marian College, Fond du Lac, WI visited Patricia's lab as a Winter-Term Fellow. The Winter-Term Fellowship program is sponsored by the Division of Plant Pathology and Microbiology (Univ Arizona) and is aimed to provide research experience to undergraduate students from small colleges or universities. **Shaun** was trained in entomopathogenic nematode (EPN) taxonomy and he also conducted research dealing with the ecological characterization of EPNs from Wisconsin.

Joanna Gress, PhD candidate in the Stock lab, was awarded a fellowship from the Achievement Rewards for College Scientists (ARCS) Foundation, for her research on population genetics and biological control of the citrus nematode, *Tylenchulus semipenetrans*, in Arizona.

Patricia Stock was awarded an International Research Fulbright grant to conduct research on entomopathogenic nematodes in Argentina and teach a course on Insect Pathology next summer. For further information on this course visit her website at: <http://cals.arizona.edu/PLP/faculty/Stock/HOME%20PAGE.html>

What does it take to be #1?

"You aint gotta gimme my props, Just gimme the yachts, Gimme my rocks, Keep my fans coming in flocks, Till you top the Superbowl, Keep your mouth on lock..."

- **Nelly**, rap artist, courtesy The Universal/Motown Record Group



Two nematologists (above) learn to how to rescue a third under simulated whiteout conditions in Antarctica.



Your NNL editor learned many persuasive interpersonal skills by wrestling “The Worlds Most Dangerous Man” (above) every day in high school, but prefers less violent means for extracting submissions to the NNL (photo courtesy kenshamrock.com).

Dazed and Confused?

Disappointed to be receiving this issue of your newsletter *after* the Ides of March? Where’s the Spotlight on Students/Members? Where’s the Book Reviews section? Where’s the passionate Op-Ed/Manifesto? Historical Tidbits, Project Updates, Society Committee Columns?!!

I’m wondering where they are too!

As it turns out, appealing to the SON membership to **voluntarily** submit content to the NNL works better in theory than on paper. So it looks like I’ll be twisting some arms for information! Let this serve as advance warning – the floggings will continue until morale improves!

Proposals to rectify the “suboptimal newsletter” problem:

Plan 1 (coercion): The NNL editor will recruit a brute squad to visit the SON membership - twisting arms and breaking thumbs periodically to retrieve sufficient information that the NNL gets back on track.

Plan 2 (cooperation): The SON membership will acknowledge the benefits of a pretty good newsletter, and actively contribute to its content.

Personally, I prefer plan 2. However, I’m pretty good at breaking thumbs (my own anyway), and having had to wrestle this guy (left) in high school every day, I have near-encyclopedic knowledge of arm-twisting. So plan 2 is a manageable option for me.

Come on, now. You mean to tell me you don’t have a student or post-doc you’d like to see spotlighted? Nobody has a cool project that they’d like to update us on? Nobody has an opinion about anything? Looks like I’m going to have to treat you people like I do my 9 year-old son – one warning and then a consequence. This is your warning. Your consequence is a lousy newsletter.

With much love – Byron Adams, NNL Editor

Student Associate Editor, Society of Nematologists

Welcome **Ian Wm. King**, newest staff member of the Nematology Newsletter. Ian (without any arm twisting!) has volunteered to serve as a Student Associate Editor. Ian is a graduate student in the Nematology Department at UC Riverside, has amazing editorial skills, and is an enthusiastic supporter of the SON NNL. Right on, Ian!

Nematode Biological Control Images Competition



The Biological Control Committee is organizing an image competition during the upcoming SON annual meeting on 18-21 June 2006 in Kauai, HI. Qualified images include natural enemies or biocontrol agents of nematodes. Digital images are preferred. Please mail in advance to Koon-Hui Wang (koonhui@ufl.edu) by **31 May 2006**. Information needed along with your image(s): 1) your name and e-mail address, 2) description of your image(s), 3) digital format of image(s). Three awards (products from the society) will be given to the best three presenters selected by the committee. All submitted images may be included in the biocontrol image collection located on the committee website (<http://www.cpes.peachnet.edu/nemabc/>).

SON Members: Do You Receive the Free PMN Update Newsletter?

Plant Management Network, <http://www.plantmanagementnetwork.org>, publishes a monthly newsletter entitled *PMN Update*, which announces publication of new articles as they are posted in PMN's four peer-reviewed journals, *Applied Turfgrass Science*, *Crop Management*, *Forage and Grazinglands*, and *Plant Health Progress*. *Update* also contains news about PMN itself. A sample issue, <http://www.plantmanagementnetwork.org/update/current>, is available online and SON members may sign up at no cost, <http://www.plantmanagementnetwork.org/update>. In addition, USDA employees and all faculty, students, and staff at PMN partner universities have unlimited access to PMN's entire journal subscription content. Other SON members qualify for a 15% subscription discount through the society's PMN partnership. Please join the network and get connected today!



ONTA Annual Meetings

The XXXVIII Annual Meeting of The Organization of Nematologists of Tropical America (ONTA) to be held in San Jose, Costa Rica from the 26th to 30th of June 2006.
<http://onta.ifas.ufl.edu/index.html>

Help SON Grow

The SON Membership Committee needs your help recruiting new members! All it takes from you is a simple "Hello!" at our annual meeting. Nonmembers who attend our meetings are a perfect group from which to recruit new members. Positive personal contacts with members of our Society are just as important as the excellent scholarly activities that we offer. At the 2006 annual meeting, nonmembers will be identified by orange name tags. When you notice someone with an orange name tag, stop and introduce yourself! Ask how they are enjoying the meeting. Recommend that they attend some of the social functions. If these individuals feel like they are included and important, they will be more likely to consider a membership with our organization. You might even meet someone who shares the same research interests as you!

If you would like to become more involved with recruitment and retention activities in our Society through service on the Membership Committee, or if you have suggestions or comments on membership issues, please contact Sally Stetina, Chair of the SON Membership Committee, by email at sstetina@ars.usda.gov, by phone at (662) 686-5476, or by mail at USDA ARS Crop Genetics & Production Research Unit, PO Box 345, Stoneville, MS 38776 USA.



SON 2006 Program Update

The scientific program for the 2006 meeting will begin the morning of June 19th. There will be five symposia, one workshop, and contributed paper sessions.

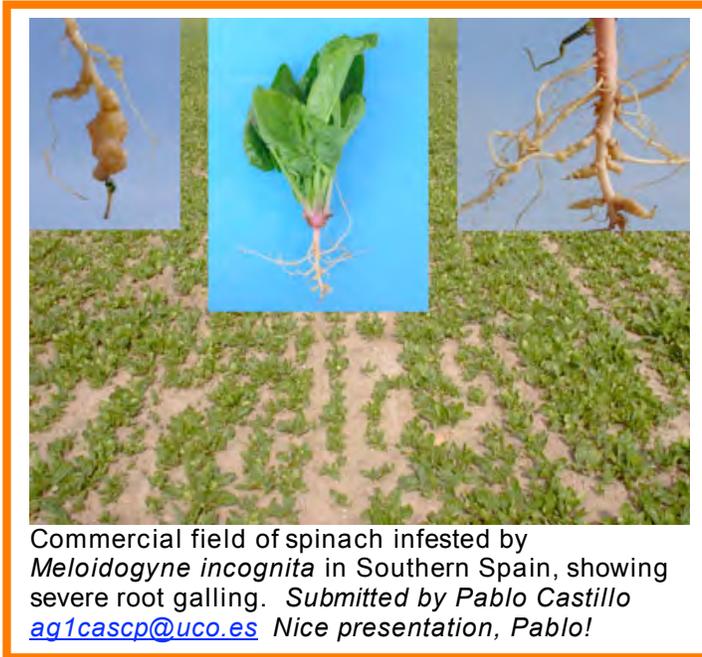
The symposia are:

- Infection Strategies of Parasitic Nematodes**
- Nematodes as Invasive Species**
- News, Views, and Issues in the Use of Entomopathogenic Nematodes**
- How Effective are Cover Crops and Soil Amendments in Managing Plant-Parasitic Nematodes?**
- Industry Perspectives on the Discovery and Development of Nematode Management**

Contributed papers may be oral presentations or posters. Abstracts should be submitted via our webpage (<http://www.nematologists.org/>). Your abstract will be limited to 300 words (approximately 2,300 characters, not just letters, but also punctuation and spaces). Abstracts must be received by **April 1, 2006**. The charge per abstract is \$35.00

We will be using a unique means to display the posters this year so it is crucial that all authors conform to the following standard: posters must be 1-meter square and prepared as a single sheet. Hooks will be provided to hang posters.

Nematorama



Commercial field of spinach infested by *Meloidogyne incognita* in Southern Spain, showing severe root galling. Submitted by Pablo Castillo ag1cascp@uco.es Nice presentation, Pablo!



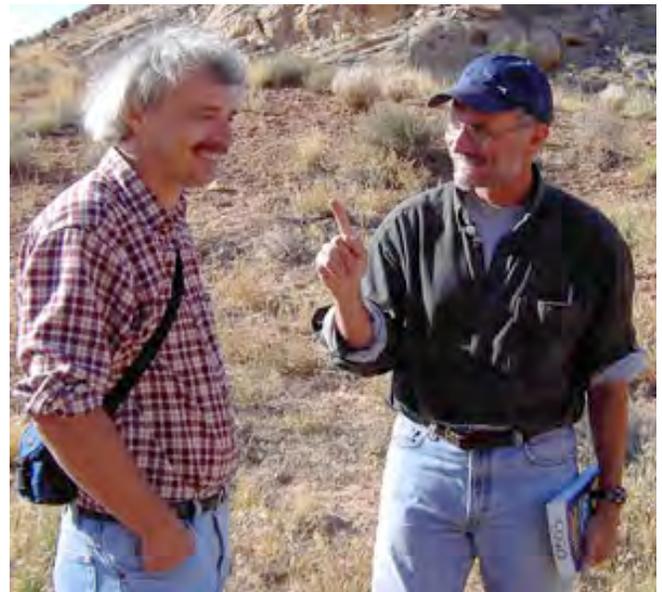
Healthy and *Ditylenchus dipsaci*-infected garlic from Southern Spain. Submitted by Pablo Castillo ag1cascp@uco.es How did they taste, Pablo?

I Did Not Know That...

Pressure Of Sustaining Most Of The World Taking Its Toll On Rice

A February 2006 report published by theonion.com asserts that the pressure of sustaining most of the world is taking its toll on rice. Rice lovers say the popular grain has been feeling the strain of feeding much of the world for the past 6500 years, and many point to the plant's recent low yields and haggard appearance as a reminder that it hasn't had a vacation since 1482. Agriculturist Richard Ting: "I think more than anything rice just wants to be appreciated." Potatoes were considered briefly as a temporary rice substitute but were rejected due to an 1843 restraining order filed by the Irish. The recent spread of rice pathogens, such as *Meloidogyne graminicola*, increases the probability that rice is facing impending burnout as the world's "go-to" food source [see also Handoo, Z.A., Klassen, W., Abdul Baki, A.A., Bryan, H.H., Wang, Q. 2003. First Record of Rice-Root Nematode (*Meloidogyne graminicola*) in Florida. J. Nematol. 35: 342.].

Caption Contest!



What's the nature of the exchange between these two world-renowned nematologists (Sergei Subbotin [L] and Tom Powers [R])? You decide! Send your caption for this photograph to the NNL editor. Winning captions will be published in the next issue.

Field Notes

Together with their students, **Jim Baldwin**, **Sergei Subbotin**, **Tom Powers**, **Peter Mullin** and **Byron Adams** kicked off a joint project to elucidate Tylenchid phylogenetic relationships with a workshop at Brigham Young University and a field trip to red rock country in Utah. The goal of their project, which requires DNA sequencing of several genes from numerous species, is to generate a robust phylogeny that can support existing and novel approaches to nematode management.

On the trip, Jim Baldwin and his student **Erik Ragsdale** impressed the team with their extensive knowledge of the local flora. “The plant keys I brought along with us turned out to be pretty much useless”, Adams said, thumbing his virtually unused copy of “Weeds of the West”. “We were lucky to have those guys with us” he went on, explaining that, “In addition to identifying all the plant cover for our samples, we also got to hear all sorts of cool nematode-host plant theories.” Other members of the team were quick to add that the term “theory” is a blatant disregard for its scientific definition when applied to Byron Adams’ wild evolutionary scenarios, which he was constantly dreaming up and tossing about as if they merited consideration beyond fantastical science fiction. Once the group got practiced at dismissing his vacuous tales, the business of science was made much easier, and eventually many promising samples were taken. A few “interesting” ideas for future projects were even bandied about. [*editor’s note – those involving a Martian origin of Nematoda were **not** among them*].

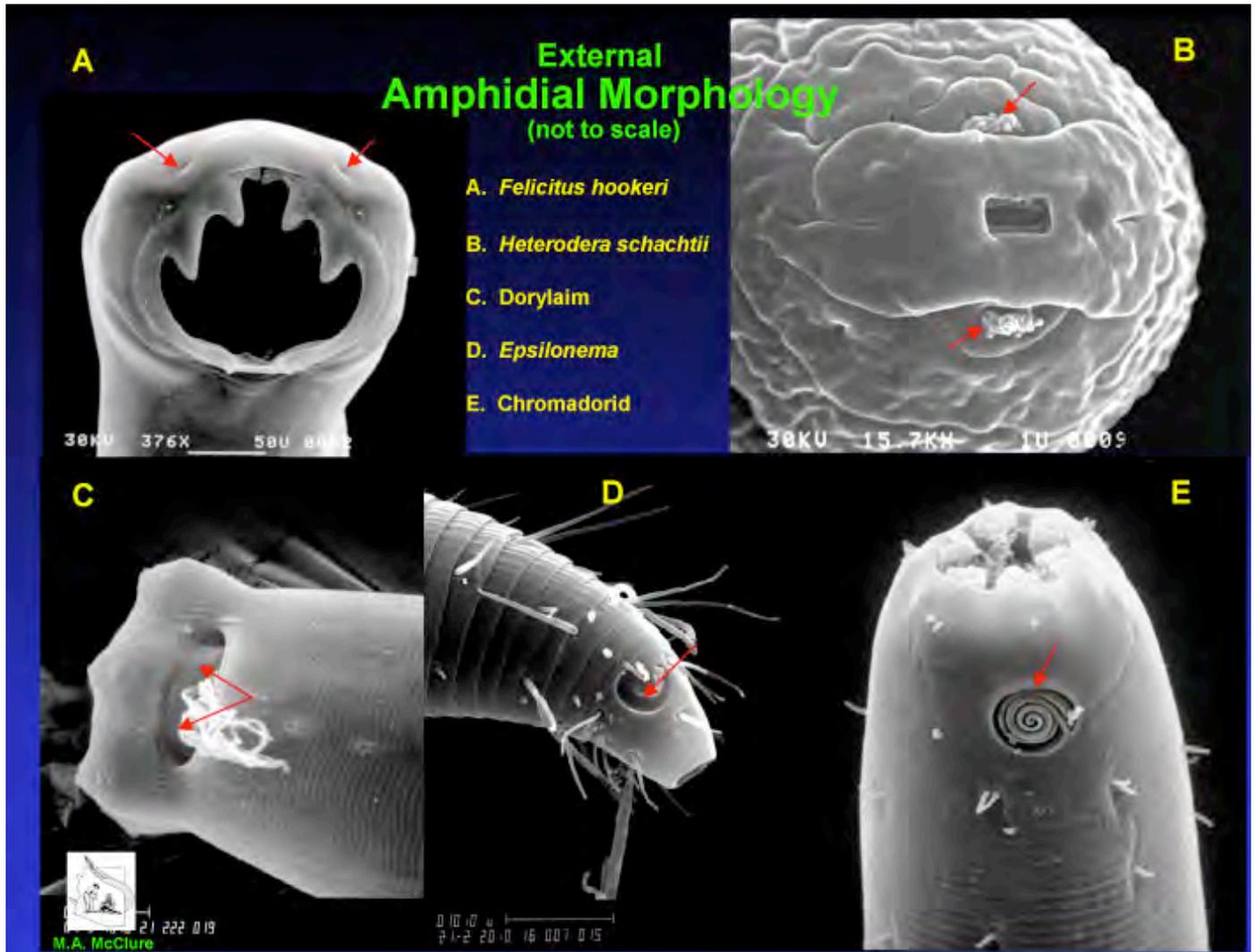
The workshop and field trip were a success, but many species that are critical to their studies continue to elude them. Their “most wanted list” of specimens can be found at <http://tylenchida.byu.edu>. Please check the list, and if you see any taxa that you could contribute to their cause, they’ll provide acknowledgements, pay for shipping, and negotiate in-kind payments (not limited to beverages, void where prohibited).



On location, Little Wild Horse Canyon, UT

L-R, back row: Tim Davie, Peter Mullin, TJ Bliss, Adler Dillman, Scott Peat

Front row: Sergei Subbotin, Tom Powers, Erik Ragsdale, Jim Baldwin, Byron Adams



Sweet educational materials generated by Michael A. McClure <mccclure@Aq.arizona.edu>
If you're a nematologist, you have some teachers to thank...

Society of Nematologists

Nematology Newsletter

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Ian Wm. King, Student
Associate Editor

**Deadline for
submission of
items for inclusion
in a given issue
(published in
March, June,
September, and
December) is the
25th of the month
prior to the month
of publication.**

We're on the Web!

<http://www.nematologists.org/>

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