From the President

New Web Editor

I am pleased to welcome our new Web Editor, Mario Tenuta, onto the Executive Board. He took over from Roxana Myers March 1. We owe a big thanks to Roxana for shepherding the SON Web Page through the hacking crisis of 2015 and rebuilding our website. Mario has a strong track record of service to the Society; he played a major role in organizing the successful joint SON/ONTA Meeting in Montreal and has now agreed to serve a 3-year term as Web Editor.

Web content

I want to encourage standing committees such as Education, Plant Resistance to Nematodes, Biological Control, Ecology, Systematic Resources, Extension, and Regulatory, to develop web content that is either public or members only. While we want some content of our Web Page to be accessible to the public, we also would like to have some content be a perk of SON membership. For example the Plant Resistance Committee could provide a list of nematode-resistant cultivars that is open to the public, while other committees could provide images and distribution maps for members only. Too often, the focus of committees is only to organize symposia or workshops for the meeting; however, there are many other valuable activities which would help to promote Nematology.

Annual Meeting (13-17 August 2017)
Colonial Williamsburg, Virginia

The call for abstracts is published in this edition of the Nematology Newsletter, with a deadline for submission of May 31. President-Elect Nancy Burelle is working on an exciting program for the meeting. There are two symposia planned on entomopathogenic nematodes:
one on research in the post-genome era and the other on recent application and formulation technologies. Plans are also underway on symposia related to the use of social media in extension, plant diseases transmitted by nematodes, and plant resistance in crops and cover crops. Nancy is also preparing for a lot of student involvement with a symposium on biological control organized by the Graduate Student Committee, a workshop on mock interviews with industry and academia, and the return of the Cobb Bowl Competition – yeah! Students, start brushing up on your nematology knowledge in preparation for the Cobb Bowl (a Jeopardy-style competition). A good place to start is by collecting and studying the Nematode Trading Cards at the end of each Nematology Newsletter.

Election of Vice President

Koon-Hui Wang, Secretary of SON, recently sent out a call for nominations for Vice President of the Society of Nematologists. The Vice President transitions to President-Elect, and finally President. We are a small society and we all need to do our part to keep SON relevant to its members and running smoothly. At an early stage of your career, that may mean serving on committees and reviewing manuscripts for the Journal of Nematology. However, as you reach mid-career or later, consider stepping up to serve as President, Editor-in-Chief, or Local Arrangements Chair. All of these activities take time, but are incredibly rewarding and much appreciated by your fellow SON members. Often individuals don’t feel qualified to be President or think they are too busy; nevertheless, with some encouragement from their friends and colleagues, they will sometimes relent. Please twist the arm of a colleague you think would make a good Vice President, and once they have surrendered, send your nomination to Koon-Hui by 31 March 2017 or a little after.

Patricia Timper

Call for the Submission of Abstracts

Deadline May 31, 2017

1. SUBMITTING YOUR ABSTRACT

- Abstracts for all SON oral and poster presentations should be submitted via the SON Website (https://nematologists.org)
- Your abstract will be limited to 500 words.
- Abstracts must be received by May 31, 2017.

2. GENERAL INSTRUCTIONS

- Abstracts will be presented in a program booklet that will be distributed at the meeting. This version is unedited; therefore, you are requested to have your abstract reviewed by two colleagues before submission.
- Abstracts for oral and poster presentations will be published in the Journal of Nematology. This version is edited before it is accepted for publication. The abstract may be returned to the author for revision.
- If a paper or poster is not presented at the meeting the abstract will not be published.
- Time for oral presentations = 12 minutes, plus 3 minutes for discussion.
- An LCD projector will be available for oral presentations. A laptop and an LCD in a preview room will be available, and presenters should bring their talks prepared in Powerpoint or Powerpoint-compatible format. All talks need to be preloaded before the beginning of the session.

3. ABSTRACT FORMATTING INSTRUCTIONS

- The abstract should be in 12-pt font (a Times font is preferred), single spaced and with left justified margins and right unjustified margins.
- Capitalize all letters in the abstract title.
- Include the full name of the first author (last name, first name).
- Additional authors should be listed by initials followed by surname.
- All authors should be listed using bold print.
Meloidogyne arenaria on peanut. Survival of R. reniformis was greater in defaunated compared to native soil indicating that the soil contained organisms that consumed nematodes. Application of 1,3-D led to an increase in survival of the R. reniformis from 53% in the control to 78% in treated plots at post plant, and from 55% in the control plots to 66% in treated plots at mid season. Likewise, reproduction of M. arenaria was greater in soil treated with the nematicide. At post plant, survival (%) of R. reniformis was negatively correlated with abundance of predators + omnivores. Organisms other than nematodes were likely involved in the suppressive service. This was particularly evident at pre-fumigation, when survival of R. reniformis was lower in plots previously treated with 1,3-D than in control plots. The nematicide may have altered the soil community to allow a fungal, bacterial, or invertebrate antagonist of nematodes to increase in abundance.

4. INSTRUCTIONS FOR POSTER PRESENTATIONS

Each poster will be given a number and allotted a space 4’ high x 3’ wide (or 122 cm x 91 cm) (Portrait). The spaces will be numbered ahead of time so that you will know where to place your poster. Pushpins will be provided for mounting the poster.

Indicate the title, and name(s) of author(s) at the top of your poster so that it may be identified easily; the lettering for this heading should be at least 1” (30.5 cm or 72 points) high.

As a general guideline, text and illustrations should be comfortably read from a distance of 3 to 4 feet (or 1 m), so make them large enough to be seen clearly. Charts, drawings, photographs and illustrations might well be similar to those used in making slides and more heavily drawn. Simple use of color can effectively add emphasis. Your poster should be printed on lightweight materials that could be supported by pushpins. Hand-lettered material is generally unsuitable for professional and effective poster presentation. Typed material should use the largest font possible, but at least 30 points in size. Illustrated materials should be kept simple. It also might be useful to have small copies of the poster for handouts.
Abstract Submission Form

A. Contact author’s name, business address, phone number, e-mail:

B. Type of presentation (please check one):
   - Oral
   - Poster

C. Subject area (see areas listed below). Sessions will be arranged and posters grouped by these subjects to the extent possible. List first and second choices.

   Subject Categories: 1. 2.

   (Choose from this list):
   - Biological Control
   - Ecology/Behavior
   - Entomopathogenic Nematodes
   - Genetics
   - Resistance
   - Host Parasite Interactions
   - Management
   - Taxonomy/Systematics
   - Other

Type of presentation:
- Submitted Oral Presentation
- Invited Symposium Presentation**
- Student Competition Oral Presentation
- Poster

*Presentations will organized by subject matter by conference organizers
**If presentation is an invited symposium talk please provide symposium title

D. Name of the person who will present the paper or poster during the meeting:

E. Names of two people who reviewed the abstract:

DO NOT USE THIS FORM TO SUBMIT YOUR ABSTRACT — SUBMIT YOUR ABSTRACT AT THE SON WEBSITE:  https://nematologists.org

Meetings of Interest to Nematologists


July 10-14, 2017: ONTA Annual Meeting, Mayaguez, Puerto Rico


August 13-17, 2017: 50th Anniversary Meeting of the Society for Invertebrate Pathology, San Diego, California, USA. http://www.sipweb.org/meetings.html


September 9-13, 2018: Meeting of the European Society of Nematologists in Ghent, Belgium.
New Nematology Lab at the University of Florida’s Gulf Coast Research and Education Center

The “Shrek” nematology lab: from left to right: Jake Helmer, Mike Burrell, Johan Desaeger, Paul Dahlin, Homan Regmi, Bonnie Xie

new nematology program has got underway at the Gulf Coast Research and Education Center (GCREC) of the University of Florida in Wimauma, FL (near Tampa). The GCREC (“Shrek”) was established in 2005 and boosts a 475-acre farm, more than 20 greenhouses and 17 faculty members and over 130 employees. It wasn’t until last year that nematology finally became a reality at GCREC and Dr. Johan Desaeger was hired to build the new program. Dr. Desaeger graduated from the Universities of Gent and Leuven in Belgium and started his nematology career at the World Agroforestry Center in Kenya. He moved to the US in 2001 where he worked as a postdoc on methyl bromide alternatives at the University of Florida and the University of Georgia. Prior to his current appointment, he worked at DuPont where he started a nematology program and was responsible for nematicide discovery and development.

Currently the nematology lab is a 6-piece team, and also includes Dr. Paul Dahlin, PostDoc, Homan Regmi, PhD student, Jake Helmer, technician, Chenzhao “Bonnie” Xie, technician, and Mike Burrell, intern. Paul Dahlin received his PhD from Stockholm University, Sweden and his MSc and Engineering degree from Germany. Homan Regmi has a BSc and an MSc in Agriculture from Nepal, and an MSc in Nematology from the University of Gent. Chenzhao “Bonnie” Xie got a BSc in Plant Protection from China and an MSc in Plant Pathology from the University of Florida. Jake Helmer was recruited right out of high school in Ruskin, FL, and Mike Burrell is a USAF veteran.

The focus of our program is to study the distribution and biology of nematodes in Florida farms and to develop new, safer and more sustainable tools to manage nematodes, mostly in vegetables and strawberries. Ongoing projects are 1) evaluating new chemicals and biologicals, 2) optimizing existing fumigant practices, 3) evaluating the impact of nematode management practices on soil health, 4) Mi resistance in tomato, 5) root-knot-Fusarium interactions, and 6) foliar and root-knot nematodes in strawberries. Many projects are collaborative, naturally with local nematology legend Dr. Joe Noling, but also with other departments at UF and GCREC, such as Horticulture and Plant Pathology. Ultimately, our goal is to develop an internationally recognized nematology program that will support Florida growers and provide them with better and more sustainable tools to manage nematodes.

Johan Desaeger
University of Florida - Gulf Coast Research and Education Center, 14625 CR 672, Wimauma, FL 33598
813-633-4126 office / 813-431-6246 cell
jad@ufl.edu
The Society of Nematologists will meet in Colonial Williamsburg, Virginia in 2017 for our annual meeting. We are just beginning planning a great conference for Aug. 13-16 with a theme of “Revolutionary Research in Nematology”. The meeting kicks off with registration and a Welcome Reception on August 13, followed by three days of technical programs and closes on Wednesday, Aug. 16, with the SON Awards Banquet.

The Chair of the technical program committee is headed by Nancy Kokalis-Burelle (nancy.burelle@ars.usda.gov).

The local arrangement committee is headed by Jon Eisenback (jon@vt.edu), Paulo Vieira (pvieira@uevora.pt), and Chuck Johnson (spcdis@vt.edu).

Check out the website for Colonial Williamsburg and start planning your family vacation today: https://www.colonialwilliamsburg.com

Download the app for your mobile device to see what Colonial Williamsburg has to offer: https://www.colonialwilliamsburg.com/plan/cw-explorer

Come hear Thomas Jefferson's thoughts on revolutionary ways of thinking about nematodes.

Colonial Williamsburg, Virginia, where plant-parasitic nematodes reared their ugly heads and caused havoc for the growers attempting to farm as it was done in the early history of our country.
Look at All of These Complimentary Amenities!

- Complimentary self-parking for all attendees
- Complimentary access to the fitness center and pools at The Spa of Colonial Williamsburg
- Complimentary access to the Historic Area Shuttle during regular operating hours
- Complimentary wireless internet in all guest rooms and meeting space
- Complimentary (i.e. NO) Resort Fee
- Complimentary ticket to Colonial Williamsburg
- Meeting Rooms are in the Williamsburg Lodge Conference Center

Make Your Room Reservations Soon!

Individual reservations must be made on or before Wednesday, July 12, 2017 (the Reservations Due Date) via the Hotel's on line reservations PASSKEY system (https://aws.passkey.com/go/SN3) by providing the group code 46662 or by calling 800-261-9530 between the hours of 8:30 am to 5:00 pm EST, Monday through Friday. All individual lodging reservations must be accompanied by a one night’s deposit for room and tax.

The Hotel will release all rooms that have not been reserved by the Reservations Due Date. Room rates of $169.00 are for daily, single or double occupancy under the European Plan (no meals included), subject to taxes applicable at the time of the stay (currently 11% and $2.00 per room per night occupancy tax). Rates are good for three days before and after the meeting.

Any reservation request made after the Reservations Due Date may be confirmed on a space and rate available basis. Individual deposits are refundable, provided notice of cancellation is received by the Hotel by 5 P.M. local Hotel time at least three business (3) days prior to reserved date of arrival.

ARRIVAL & DEPARTURE

Check-in time is after 4:00 pm. Check-out time is 11:00 am at all Colonial Williamsburg Hotels. An early departure fee of one night’s room rate plus tax will be charged for departure date changes made after check-in.
Registration for the 56th Annual Meeting
Society of Nematologists
Williamsburg, Virginia
August 13-16, 2017

This year registration covers all of your meals for the meeting, including a buffet breakfast and lunch on Monday, Tuesday, and Wednesday. Registration also covers the Welcome Reception on Sunday evening, a Graduate Student social as an introduction to the Society of Nematologists on Monday evening, a Wine and Cheese reception for the Poster Session on Tuesday evening and the Awards Banquet on Wednesday. It also includes two coffee breaks on each day including a fantastic selection of drinks and goodies.

Registration Costs are calculated according to the relationship to the Society of Nematologists and the timing of payment of the fees. Payments received after the cutoff date will be slightly higher than those received before the due date.

The following levels have been calculated:

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular member</td>
<td>$725</td>
</tr>
<tr>
<td>Student member</td>
<td>$435</td>
</tr>
<tr>
<td>Nonmember</td>
<td>$825</td>
</tr>
<tr>
<td>Nonmember student</td>
<td>$485</td>
</tr>
<tr>
<td>Later member</td>
<td>$825</td>
</tr>
<tr>
<td>Late student member</td>
<td>$485</td>
</tr>
<tr>
<td>Late nonmember</td>
<td>$925</td>
</tr>
<tr>
<td>Late nonmember student</td>
<td>$535</td>
</tr>
<tr>
<td>Accompanying person</td>
<td>$450</td>
</tr>
<tr>
<td>Banquet &amp; reception</td>
<td>$100</td>
</tr>
</tbody>
</table>

Please go to the SON website to register before the final date of May 31st. Abstracts are also due by that date.

We are also planning at least one optional tour after the meeting. One likely event will be a tour of the working farm at Colonial Williamsburg that operates using the "old ways".

Many other activities are available in the Williamsburg area.

Activities in Williamsburg

There are many tours available in the Colonial Williamsburg area. Samples are listed below. Please call or visit their website to find out more information. There are also many other tour companies servicing Williamsburg and other area attractions that are nearby, either in Richmond or Norfolk.

Spooks and Legends Haunted Tours
410 W Duke of Gloucester St.
Williamsburg, VA 23185
(757) 784-6213
https://seaworldparks.com/buschgardens-williamsburg/

Bay Country Kayaking
New Quarter Park
1000 Lakeshead Dr.
Williamsburg, VA 23185
(252) 564-4533
http://www.baycountrykayaking.com

Go Ape Treetop Adventure Course
5537 Centerville Rd.
Williamsburg, VA 23188
(800) 971-8271
https://goape.com/Locations/Virginia/Williamsburg

Yorktown Battlefield
624 Water St.
Yorktown, VA
Visitor Information: 757-898-2410
www.nps.gov/york/

Busch Gardens Williamsburg
One Busch Garden Blvd
Williamsburg, VA 23185
https://seaworldparks.com/buschgardens-williamsburg/

Williamsburg Walking Tours
Williamsburg, VA 23185
(757) 634-2452
http://williamsburgwalkingtours.com

Jamestown Island Explorer
Route 31
Jamestown Rd
Williamsburg, VA
(757) 259-0400

Water Country USA
176 Water Country Parkway
Williamsburg, VA 23185
www.watercountryusa.com/en/Williamsburg/

Williamsburg Premium Outlets
www.premiumoutlets.com/outlet/williamsburg

Historic Jamestown
http://historicjamestowne.org

Williamsburg Area Guide
http://www.williamsburgareaguide.com
Sponsors of the Annual Meeting in Colonial Williamsburg, VA 2017

Please Consider Becoming a Sponsor of the Annual Meeting of the Society of Nematologists.

If you or your company would like to sponsor this meeting, email the Chairman of the Local Arrangements Committee to discover all of the opportunities that are available: jon@vt.edu
Colonial Williamsburg

Easy access by more than 200 daily arriving flights, including nearly 30 nonstops to three international airports.
Colonial Williamsburg

Open daily 365 days a year with more than 30 exhibit sites to explore.
Dale Ivan Edwards entered his Heavenly home with Jesus free from Earthly pain on Jan. 13, 2017. Funeral services were at the Webber Street Christian Church, Urbana, with the Rev. Sam Stow officiating. Burial was in Mount Hope Cemetery, Champaign. Military rites were accorded. He was born in Mattoon on Jan. 12, 1930. His father was Avon Payton Edwards and his mother Amanda Moutry. Nine children came into this family, among them Norma, Dale, Delores, Charlie, Mary, David and Barbara; their mother died at an early age from cancer so Dale learned very early in life to work hard to get ahead in life. After graduation, he attended Eastern Illinois University for two years before signing up in the Air Force; he earned the rank of staff sergeant. He then went back to Eastern Illinois University and earned his bachelor’s degree. He then went to the University of Illinois and earned his doctorate degree in plant pathology. He accepted a job with United Fruit Company in Honduras, Central America. While in school, he also worked for the U.S. Department of Agriculture. His research was on nematodes on bananas in Honduras and soybeans in the United States. When he retired from the U.S. Department of Agriculture, he accepted a position at the UI Agriculture Extension. Dale married Carol Perry while he was a student at the UI. Four children were born: Cheryl Wendt, Cathy (Bill) Barnett, Steve (Brenda) Edwards and Alan Edwards. There are six great-grandchildren, Cordelia and Oliver Wendt, Damion and Desmond Humes, Haven and A'lonna Edwards. Dale was very active in volunteer work with scouting and Little League coaching. He was an elder at Webber Street Christian Church. He loved watching Cardinals baseball and the UI sports. He loved playing with his grandchildren. He was loved by many, especially his family, and will be missed for all his love and caring. In lieu of other expressions of sympathy, you may make a donation to Webber Street Christian Church or any organization related to macular degeneration.
News from the DiGennaro Lab at the University of Florida

I am excited to announce my recent appointment to the growing Entomology and Nematology Department at the University of Florida. My research program focuses on the molecular basis of nematode-plant interactions, largely concentrating on Meloidogyne spp. After completing my PhD in Functional Genomics with David Bird at NCSU, I did a postdoc in Jennifer Fletcher’s lab at UC Berkeley studying plant cell developmental genetics. This brief ‘hiatus’ from nematology has equipped my program with a set of skills now aimed at dissecting the host responses to feeding-site generating nematodes and the molecular machinery governing plant cell fates. Together with the very strong nematology group here at UF, we are able to shift our basic research program from models to cropping and more applied systems. The completion of numerous plant-parasitic nematode and host genomes as well as various transcriptomes has generated a solid foundation for functional studies towards the basis of nematode parasitism. This is a very exciting time to be a nematologist. Joining my lab is Shova Mishra who recently received her MS degree with Koon-Hui Wang at University of Hawaii and Noor Abdelsamad who received his PhD in Plant Pathology with Leonor Leandro at Iowa State. We are looking forward to sharing our research and to be a part of the inclusive and diverse group that is, innately, nematology.

Peter DiGennaro
pdigennaro@ufl.edu

Position Available:

A Laboratory Manager II position is available in the Department of Plant Pathology, University of Georgia, located in Athens, GA. The successful candidate will be responsible for managing and conducting high-throughput nematode-resistance phenotype screening to support soybean breeding efforts. The specific responsibilities of the lab manager include, but are not limited to:

- evaluation of plant breeding materials for nematode resistance in the greenhouse including planting and growing soybean, preparation and application of nematode inoculum to soybean entries, data collection and entry, and data analysis and interpretation
- maintain pure cultures of different species and races of plant-parasitic nematodes in the greenhouse and quantitative assessment of nematode-resistance phenotypes as appropriate for each genus and species of nematode
- conduct process improvement to improve the efficiency of nematode resistance evaluation and data quality
- provide support to the graduate students’ and postdocs’ projects in evaluation of nematode resistance
- train and supervise undergraduate student workers for lab activities and provide support to the field soybean-breeding program as needed

Minimum qualifications include a Bachelors degree in Plant Pathology, Crop Science, Horticulture, Plant Sciences, or related fields, with experience working in the lab and greenhouse with plant-parasitic nematodes, plant diseases, or other areas of plant science research.

Preferred qualifications include a Master’s degree in the same fields with demonstrated knowledge and skills in plant nematology and plant breeding. The successful candidate will be able to learn new technology, work in a team environment, and pay attention to details.

For a detailed job description and/or to complete an application go to www.ugajobsearch.com/applicants/Central?quickFind=71216

For further information contact James Noe, Dept. of Plant Pathology, University of Georgia, Athens, GA. jnoe@uga.edu

The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, gender identity, sexual orientation or protected veteran status.
SON Call for Award Nominations for 2017

The SON recognizes individuals for scientific excellence and contributions to the science of nematology through several awards. A member of the society may nominate one candidate per year for each award. It is important that nominations provide a critical analysis of the nominee’s contributions. The Honors and Awards Committee encourages members of the Society to actively seek candidates with outstanding records and nominate them for an appropriate award. One candidate may be chosen for each award.

Fellow of the Society is granted by the Society to a member in recognition of distinguished contributions to the science of nematology. No more than 0.4% of the living membership may be elected Fellow in any given year. This honor is bestowed upon a member who has excelled in areas of significant research, teaching, extension, administration, or through contributions in service to the Society of Nematologists or the science of nematology above and beyond that of most of its members.

The Syngenta Crop Protection Award is presented by Syngenta to a person who has made contributions in nematology, not previously recognized, which has led to significant advancement in agriculture. The contributions should have been made within the last 5 years and the nominee should be within 15 years of receiving a Ph.D. degree at the time of the award.

The Teaching Excellence Award recognizes a SON member for excellence in teaching nematology. The nominee must have excelled in classroom teaching of a nematology course or through developing innovative nematology teaching materials for use in a classroom-setting (K-12, undergraduate or graduate level).

NOMINATION INSTRUCTIONS:
The nomination packet must be submitted by May 31, 2017. Any member of the Society may submit nominations and the nomination process are performed in confidence. To be considered complete, each nomination packet should include the following:

1. Statement: This should include the nominee’s name, educational background, current and previous positions, and contributions to nematology and agriculture in the scope of the particular award. The statement must also explain and document the significance of these contributions. Each statement must be double-spaced and no more than 4 pages long.

2. List of publications: A listing of publications separated into the following categories: a) peer-reviewed journal publications, b) book chapters or reviews, and c) other publications such as bulletins, laboratory manuals, extension publications, etc. The publication list must be single-spaced.

3. Letters of endorsement: In addition to a cover letter, each nomination should also include two letters of endorsement. The letters should be addressed to Richard Davis, Chair of the Honors and Awards Committee. Electronic submissions are strongly preferred. Send Word or PDF documents to Dr. Richard F. Davis at Richard.Davis@ars.usda.gov

NOMINATIONS MUST BE RECEIVED BY MAY 31, 2017

SON Call for Award Nominations for 2017

Special Subscription Rates on Nematology for SON Members

Members of the Society of Nematologists can subscribe to the 2017 Volume of Nematology at the special individual e-only member subscription rate of EUR 141* / US $159. Please send your order to brill@turpin-distribution.com, quoting action code 70258.

*excluding VAT
News from the 56th Meeting of the American Phytopathological Society — Caribbean Division 2017

Masters student Rebeca Sandoval-Ruiz was awarded first place in the graduate student oral paper competition at the 56th Meeting of The American Phytopathological Society – Caribbean Division, 2017, held in San José, Costa Rica, with the thesis “Distribution and Frequency of the Phytopathogenic Nematodes Associated with Potatoes (Solanum tuberosum L.) in the Province of Cartago, Costa Rica.

Dr. Danny Humphreys-Pereira (advisor), Rebeca and MSc. Lorena Flores (thesis committee member). She will be presenting her work at the APS Annual meeting in San Antonio, Texas.

Inga Zasada visits Costa Rica

Dr. Inga Zasada was invited to the APS-CD meeting in Costa Rica, 2017 to talk about potato cyst nematodes. She also visited the Nematology Lab. at University of Costa Rica and had a field trip with the students of Dr. Danny Humphreys-Pereira.

Stubby Root Nematode, Paratrichodorus minor (Colbran, 1956) Siddiqi, 1974

Synonyms:
Trichodorus minor Colbran, 1956
Paratrichodorus (Nanidorus) minor (Colbran, 1956) Siddiqi, 1974
Nanidorus minor (Colbran, 1956) Siddiqi, 1974
Trichodorus christiei Allen, 1957
Paratrichodorus (Nanidorus) christiei (Allen, 1957) Siddiqi, 1974

This high resolution mosaic photomicrograph of an adult female stubby root nematode, Paratrichodorus minor, is a free resource from the Nematology Newsletter and the Society of Nematologists. You are welcome to download a full high resolution version of this photograph from the NNL dropbox website. Please credit J. D. Eisenback if you want to use it on a website or in a publication. https://www.dropbox.com/sh/l1xbntyze2ji1l/AADiPFM3gLyl8rbH0lxdVaCma?dl=0
Nathan A. Cobb Nematology Foundation Student Travel Awards for 2017

The Nathan A. Cobb Foundation is pleased to request applications for three graduate student travel awards to attend the 2017 Society of Nematologists meeting in Williamsburg, VA. Each award will be in the amount of $700.

1. Two awards are from the N. A. Cobb General Fund. These awards are not restricted to a particular discipline and the application is open to all students.

2. A third award is from the Economic Nematology Endowment, which is for support of research and scholarship (including extension efforts) intended to affect nematode management. The student’s presentation must be related to some aspect of nematode management.

For more information about these endowments see https://nematologists.org/about-us/n-a-cobb-foundation/.

Submission/Eligibility guidelines (abstract, cover letter & application):

- An individual must submit an abstract and make a presentation (oral or poster) at the meeting. The guidelines for abstracts will be available on the Society of Nematologists web site: https://nematologists.org/.
- Cover letter (no more than 1 page) stating the rationale and overall goals of the research and the hypothesis being tested.
- Complete the application form (see next page).

Membership in the Society of Nematologists (SON) is not required, and an award may be given to an individual more than once.

Submit cover letter, abstract, and award application as a single PDF document via e-mail to Richard F. Davis at Richard.Davis@ars.usda.gov

All submissions must be received by May 31, 2017

LATE APPLICATIONS WILL NOT BE CONSIDERED

The Honors and Awards Committee will evaluate the requests and make award announcements by June 30, 2017.
Bayer Graduate Student Travel Awards

Bayer has provided the Society of Nematologists with funds to support student travel to the SON Meeting in Williamsburg, VA. Ten awards of $500 each will be provided to students presenting papers (oral or poster presentations) at the meeting. The guidelines for abstracts are available on the Society of Nematologists website ([http://www.nematologists.org/](http://www.nematologists.org/)).

Submission/Eligibility guidelines:
- Full time student status or completion of graduate degree requirements no more than 12 months before the meeting.
- Submission of abstract to the SON/ONTA Meeting.
- Cover letter (no more than 1 page) describing your research and why you want to attend the SON/ONTA meeting.
- Submission of the completed application form (see next page), cover letter, and a copy of your abstract.

Submit cover letter, abstract, and awards application as a single PDF document via e-mail to Richard F. Davis at Richard.Davis@ars.usda.gov

All submissions must be received by May 31, 2017

LATE APPLICATIONS WILL NOT BE CONSIDERED

The Honors and Awards Committee will evaluate the requests and make award announcements by June 30, 2017

Bayer Graduate Student Travel Award Application Form

<table>
<thead>
<tr>
<th>Name and Contact Information</th>
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<tbody>
<tr>
<td>Member of SON (Y/N)</td>
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<tr>
<td>Abstract title</td>
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<tr>
<td>Other support</td>
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<tr>
<td>Degree program</td>
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<tr>
<td>Stage of graduate program</td>
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<tr>
<td>Major Professor's name</td>
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<tr>
<td>Major Professor's E-mail</td>
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<tr>
<td>Have you attended previous SON meetings?</td>
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<tr>
<td>If yes, please list years</td>
<td></td>
</tr>
<tr>
<td>Have you ever received a travel award to attend an SON meeting? If so, which award(s)?</td>
<td></td>
</tr>
</tbody>
</table>
Dow AgroSciences Graduate Student Travel Awards

Dow AgroSciences has provided the Society of Nematologists with funds to support graduate student travel to attend the Society of Nematologists meeting in Williamsburg, Virginia. Eight awards of $500 each will be given to students presenting research (oral or poster presentations) at the meeting. The guidelines for abstracts are available on the Society of Nematologists meeting web site (http://www.nematologists.org/).

Eligibility requirements for this Travel Award include a) current membership in the Society; b) full time student status or completion of graduate degree requirements no more than 12 months before the meeting; c) submission of abstract to the Society of Nematologists Meeting; and d) submission of the completed application along with a copy of your abstract.

Criteria for selection include quality of science (determined from the submitted abstract) and financial need. Preference will be given to students in the final year of their graduate program (M.S. or Ph.D). A person may receive this award only once.

Students interested in applying for one of eight Dow Agrosciences Graduate Student Travel Awards of $500 each are referred to the form below (Travel Award Application) in this announcement. SON membership forms can be obtained at www.nematologists.org.

Submit Cover Letter, Abstract, and Awards Application as a single PDF document via e-mail to Dr. Richard F. Davis (Richard.Davis@ars.usda.gov).

All submissions must be received by May 31, 2017. The Honors and Awards Committee will evaluate the requests and make award announcements by June 30, 2017.

<table>
<thead>
<tr>
<th>DOW AgroSciences Graduate Student Travel Award Application Form</th>
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<tr>
<td>Name and Contact Information</td>
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<tr>
<td>Member of SON (Y/N)</td>
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<tr>
<td>Abstract title</td>
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<tr>
<td>Other support</td>
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<tr>
<td>Degree program</td>
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<td>Stage of graduate program</td>
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<tr>
<td>Major Professor's name</td>
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<td>Major Professor's E-mail</td>
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<tr>
<td>Have you attended previous SON meetings?</td>
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<td>If yes, please list years</td>
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<tr>
<td>Have you ever received a travel award to attend an SON meeting?</td>
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<td>If so, which award(s)?</td>
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</table>
Nematology Solutions Associates Graduate Student Travel Award

Nematology Solutions Associates, LLC (NSA) has provided the Society of Nematologists with funds to support student travel to the 2017 SON Meeting in Williamsburg, VA. A single award of $500 will be provided to a student giving a presentation (oral or poster presentation) focusing on biological-control-related research and its potential for commercialization. The guidelines for abstracts are available on the Society of Nematologists web site (http://www.nematologists.org/).

Submission/Eligibility guidelines:
- Full time student status or completion of graduate degree requirements no more than 12 months before the meeting.
- Submission of abstract to the SON Meeting focusing on biological-control-related research and its potential for commercialization.
- Cover letter (no more than 1 page) describing your research and why you want to attend the SON meeting.
- Submission of the completed application form (see next page), cover letter, and a copy of your abstract.

Submit Cover Letter, Abstract, and Awards Application as a single PDF document via e-mail to Dr. Richard F. Davis (Richard.Davis@ars.usda.gov).

All submissions must be received by May 31, 2017. Nematology Solutions Associates will evaluate the requests and the Honors and Awards Committee make the award announcement by June 30, 2017.

All submissions must be received by May 31, 2017.

LATE APPLICATIONS WILL NOT BE CONSIDERED
Dear Nematology Newsletter Readers and SON members:

The SON website is up and running and available for you to renew your membership dues for 2017. If you are not a member, please consider joining our society online and pay your dues as soon as possible. Please renew your membership dues as soon as possible. All memberships expired on Dec. 31.

Since students are the future of our discipline, please consider supporting the Nathan A. Cobb Nematology Foundation: [http://www.crec.ifas.ufl.edu/societies/nacobb/projects.shtml](http://www.crec.ifas.ufl.edu/societies/nacobb/projects.shtml). The foundation's primary purpose is to raise money to provide travel for students to scientific meetings. Please make a generous tax-deductible donation to the Foundation when you renew your SON membership at [http://www.nematologists.org/products/](http://www.nematologists.org/products/).

You can now generate donations to the Nathan A. Cobb Nematology Foundation every time you make a purchase through Amazon.com. It won’t cost you anything! Amazon has created the AmazonSmile Foundation to support 501(c)3 organizations, and, when you shop at AmazonSmile, they will donate 0.5% of the purchase price to the Nathan A. Cobb Nematology Foundation. Please bookmark the link [http://smile.amazon.com/](http://smile.amazon.com/) (select Nathan A. Cobb Nematology Foundation) and support the future of nematology every time you shop at Amazon.

Jon Eisenback and Paulo Vieira, Editors — Nematology Newsletter

Please submit your contributions to the Nematology Newsletter at the following email address:

nematology.newsletter@gmail.com

Most of the photographs and the classic reprints contained in this newsletter are available for download as high resolution images at the following URL: [https://www.dropbox.com/sh/l1xbntyzse2ji11/AADiPFM3gLy8rbH10xkdVaCma?dl=0](https://www.dropbox.com/sh/l1xbntyzse2ji11/AADiPFM3gLy8rbH10xkdVaCma?dl=0) and find the free resources here: [https://www.dropbox.com/sh/l1xbntyzse2ji11/AADiPFM3gLy8rbH10xkdVaCma?dl=0](https://www.dropbox.com/sh/l1xbntyzse2ji11/AADiPFM3gLy8rbH10xkdVaCma?dl=0)
Stem and bulb nematode, female and male, 
*Ditylenchus dipsaci* (Kühn, 1857) Filipjev, 1936

Synonyms:
Anguillula devastatrix Kühn, 1869
Anguillula dipsaci Kühn, 1857
Anguillula secalis Nitschke, 1868
Anguillulina devastatrix (Kühn,1869) Neveu-Lemaire, 1913
Anguillulina dipsaci (Kühn, 1857) Gervais & Van Beneden, 1859
Anguillulina dipsaci var. allocotus Steiner, 1934
Anguillulina dipsaci var. communis Steiner & Scott, 1935
Anguillulina havensteini (Kühn, 1881) Goodey, 1932
Anguillulina hyacinthi (Prillieux, 1881) Goodey, 1932
Anguillulina putrefaciens (Kühn, 1879) Braun,1895
Anguillulina secalis (Nitschke, 1868) Goodey, 1932
Ditylenchus allii (Beijerinck, 1883) Tarjan, 1960
Ditylenchus allocotus (Steiner, 1934) Filipjev & Schuurmans Stekhoven, 1941
Ditylenchus amsinckiae (Steiner & Scott, 1935) Filipjev & Schuurmans Stekhoven, 1941
Ditylenchus devastatrix (Kühn, 1869) Tarjan, 1960
Ditylenchus dipsaci var. narcissi De Bruyn Ouboter, 1930
Ditylenchus dipsaci var. tobaensis (Schneider, 1937) Kirjanova, 1951
Ditylenchus fragariae Kirjanova, 1951
Ditylenchus galopsisis Kirjanova, 1970
Ditylenchus havensteini (Kühn, 1881) Siddiqi, 1986
Ditylenchus hyacinthi (Prillieux, 1881) Filipjev & Schuurmans Stekhoven, 1941
Ditylenchus phloxidis Kirjanova, 1951
Ditylenchus putrefaciens (Kühn, 1879) Tarjan, 1967
Ditylenchus secalis (Nitschke, 1868) Siddiqi, 1986
Ditylenchus sonchophilus Kirjanova, 1958
Ditylenchus tobaensis (Schneider, 1937) Kirjanova, 1951
Ditylenchus trifolii Skarbilivich, 1958
Tylenchus allii Beijerinck, 1883
Tylenchus devastator 18
Tylenchus devastatrix (Kühn, 1869) Oerley, 1880
Tylenchus dipsaci (Kühn, 1857) Bastian, 1865
Tylenchus dipsaci var. tobaensis Schneider, 1937
Tylenchus havensteini Kühn, 1881
Tylenchus hyacinthi Prillieux, 1881
Tylenchus putrefaciens Kühn, 1879

This high resolution mosaic photomicrograph of an adult male and female stem and bulb nematode, *Ditylenchus dipsaci*, is a free resource from the Nematology Newsletter and the Society of Nematologists. You are welcome to download a full high resolution version of this photograph from the NNL dropbox website posted on the previous page. Please credit J. D. Eisenback if you want to use it on a website or in a publication.
https://www.dropbox.com/sh/l1xbntyzzsc2ji11l/AADIPIFM3gLy8rbHF0lxkdVaCmu?dl=0
Instructions:
Print the front and back of these nema trading cards on the same page, carefully cut them out, and share them with your students, family, and friends.
Williamsburg Lodge

Enter a world shaped by true southern hospitality.
Williamsburg Lodge

Beautiful and spacious accommodations provide added relaxation.
Williamsburg Lodge

Spacious suites for extra room and small gatherings.
Williamsburg Lodge

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Accommodations where our nation’s founding families once lodged.
Colonial Houses—Historic Lodging

Located among 18th-century taverns and shops, overlooking beautiful courtyards and charming gardens.
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Furnished with period reproductions and antiques.
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The premier meeting destination in the mid-Atlantic.
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67,000 square feet of meeting space—1,057 guest rooms and suites.
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**Colonial Williamsburg Meetings**

Complete meeting resources with advanced multimedia capabilities as well as logistical and technical support and a conference concierge team to assist with any last-minute details.
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Complete catering and planning for events of great importance.
Colonial Williamsburg Special Occasions

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Renowned for distinctive cuisine and award-winning wines in an atmosphere of graceful elegance.
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Serving light fare in charming surroundings.
Williamsburg Inn Restoration Bar

Relax with a drink in the clubby Restoration Bar.
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American cuisine with contemporary southern and Chesapeake influences.
Williamsburg Lodge Lounge

The lounge draws lively discussion or quiet reflection by the original 1939 fireplace.
Historic Dining Taverns

Experience the 18th century in four historic dining taverns.
Golden Horseshoe Golf Club Grill

Casual dining at the Gold Course Clubhouse Grill.
The Spa of Colonial Williamsburg

Five centuries of wellness practices from traditional techniques to technological advances are combined to relax the body and stimulate the senses.
The Spa of Colonial Williamsburg

Offering guests relaxing, rejuvenating, and healing therapies from our highly skilled service providers.
THE SPA OF COLONIAL WILLIAMSBURG

Fitness facilities and indoor and outdoor pools.
Golden Horseshoe Golf Club

Golf Digest named the par-71 Gold Course one of Robert Trent Jones Sr.’s six best designs in the world.
Golden Horseshoe Golf Club

The legendary architect’s Gold Course boasts one of the first island greens ever designed.
Colonial Williamsburg Resort Collection

A choice of Har-Tru courts or contemporary hard-surface courts.
Golden Horseshoe Golf Club

Designed by Rees Jones, the Green Course has been host site for several USGA Championships and is rated 4½ stars by Golf Digest.
Colonial Williamsburg

301-acre Historic Area is home to the world’s largest living history museum.
Colonial Williamsburg

The Abby Aldrich Rockefeller Folk Art Museum houses selections of American folk art dating from the 1720s through the 20th century.
Colonial Williamsburg

Revolutionary City®
An exciting new program re-creating crucial events in American history.
Colonial Williamsburg

The DeWitt Wallace Decorative Arts Museum features an extensive collection of American and British antiques and works of art.
Colonial Williamsburg

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