



Nematology Newsletter

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50th Anniversary Meeting:

Have You Registered?

Items of interest:

- The meeting will be held at the CH2M Hill Conference Center on the Oregon State University campus in Corvallis, Oregon.
- There will be a workshop on development of an AG*IDEA (Agriculture Interactive Distance Education Alliance) program in Nematology at 10:30 Sunday.
- The scientific program will open with a plenary session on Sunday July 17, 2011 and conclude with the awards banquet Wednesday evening, July 20.
- Tours will be offered for Thursday, July 21.
- "Tour de 'todes" a SON half-century bicycle ride (see page 2 for details!)
- A draft of the program is available on the meeting website: <http://www.son50.org/>



Please join us for a historic, informative and memorable meeting at the Oregon State University Conference Center in Corvallis, Oregon!

Watch for meeting updates on the listserv!

Russ Ingham, Local Arrangements Chair
inghamr@science.oregonstate.edu

AG*IDEA Nematology National Graduate Program

In 1998, Dr. Len Francl published a paper in the Journal of Nematology concerning the future of the teaching of nematology in the United States. Many of you will remember Len as the mild-mannered plant pathologist from North Dakota State University with a dry wit that attended SON meetings on a regular basis and worked on wheat and interactions of nematodes with mycorrhizae and mycorrhizal fungi. I remember that Len was fiercely proud of his students and that he understood the value of good nematological teaching for a well-rounded student of plant pathology. Len moved on to become the chairperson of Plant Pathology at Penn State in 2002 before being diagnosed with pancreatic cancer and succumbing with dignity before his time in 2005. I was reminded of Len and his article

by Dr. Ernie Bernard when we met last November to discuss the feasibility of organizing a national distance education (DE) nematology graduate certificate or master's degree program with several nematologists that belong to AG*IDEA member (or potential member) universities. Len's question to the society was centered around the potential of using computer-assisted distance learning for nematology. The technology has grown in leaps and bounds since his article and many of the "obstacles" have been removed, but we, as an organismal-based science and society have yet to embrace distance education for a nationwide nematology program and audience.

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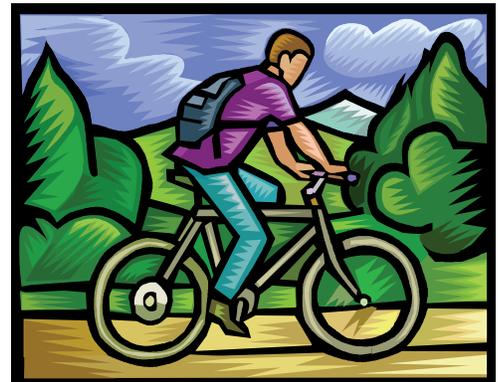
Tour de 'Todes: A SON Half-century Bicycle Ride

The silver anniversary SON meeting in Orlando, Florida included a 5 km run which was led by Tom Powers. Each participant received a handsome silver tee shirt featuring running nematodes and the SON logo. Since many of us are not in the physical shape that we were 25 years ago, we are proposing a less strenuous bike ride for this meeting. If there is enough interest, we may be able to give commemorative SON ride tee shirts to participants. The ride is planned to start at 8:00 am Sunday morning (July 17) before the Plenary session which starts at 1:00. The exercise should help shake off the travel fatigue and be an energetic start for the four days of nematology.

There will be two routes on rural roads through the farm and forest land surrounding Corvallis. A 25 km (15 mile) route will be relatively flat and the half-century ride (50 km) extends the ride with several good climbs. There should be plenty of time to get back to the hotel to prepare for the meeting. We will have a sag vehicle for anyone that needs a ride back to the hotel. We will provide an assortment of bicycles which

you can choose from. The number of participants will be limited by the number of bicycles that we can borrow (25+). There is no charge for this activity but donations to cover the costs of tee shirts and refreshments will be greatly appreciated. Helmets will be provided but bring your own if you wish. All participants will be asked to sign a waiver of liability.

If you are interested in the ride, please contact Jack Pinkerton at pinkertj@science.oregonstate.edu



A Website You May Not Have Discovered Yet....

In case you have not discovered it on your own, Prof. Ing. Manuel Vassallo provided the web address for Chacra Experimental Privada Fundacion – Centro de Investigaciones Nematologicas:

<http://www.cinema.org.ar>.

The website contains research summaries (most in Spanish, but some translated into English) on

a variety of topics of nematological and agricultural interest. Follow the “Centro Nematologico” link and you will find information on ecological methods for nematode control that may serve as replacements for granular and fumigant products as they are removed from the market. If you have comments or questions, Ing. Vassallo can be reached at: mavassallo@gigred.com.



“Food” for thought: When and where food is plentiful, there are many problems; when and where there is little food, there is only one problem.



AG*IDEA Nematology National Graduate Program *(continued from page 1)*

This story started when I was approached by my department chairperson for Entomology and Nematology (Dr. John Capinera) and the Interim dean for the University of Florida's College of Agriculture and Life Sciences (CALS) (Dr. Mark Rieger) at the Institute for Agricultural Sciences (IFAS) to explore the feasibility of a nematology DE program using a program called AG*IDEA before the dean would consider a request for supporting the rehiring of nematology departmental faculty with a partial teaching appointment. I agreed for the basic reason put forth by Len many years ago, that because of the low enrollment of nematology locally, the entire science is vulnerable globally and that the time is right for action, especially if certain details can be worked out. Many of you know that I am sometimes a little myopic when it comes to nematodes, especially considering the abundance and importance of these organisms in almost every ecosystem in the world, not just agroecosystems. I bridle at the thought that the land grant mission of the United States of America would somehow be well-served with the attrition and eventual extinction of nematology. And yet, I am afraid that that is exactly what is happening as this generation of nematologists is retiring.

The purpose of AG*IDEA (Agriculture Interactive Distance Education Alliance; <http://www.agidea.org/>), which is an affiliate of the Great Plains Interactive Distance Education Alliance (Great Plains IDEA), is to serve as a platform for member institutions to deliver DE programs and/or courses in agricultural related sciences with other institutions. Please go to <http://www.agidea.org/> to view an overview of the program and a list of the current and pending member institutions. Basically, if we were to offer a nematology program through AG*IDEA, it would be a collaborative project of member institutions to deliver mostly DE courses that would be jointly offered by "member" institutions. The nematology classes would all appear to emanate from the member institution from which the student was successfully enrolled, even if it were taught online by a professor at another member institution. Academic credit and degrees would also originate from the member institution from which the student was enrolled. Thus, even though the core nematology curriculum would be the same nationally, its name and the titles and numbers for the courses would be unique to the member institution. The curriculum would be developed and evaluated by inter-institutional faculty teams and vetted to meet academic standards through a full institutional review before implementation.

When I approached Dr. Tom Powers to attend a feasibility meeting, he replied that this could be the death of nematology because it would allow Universities that were trying to reduce their budgets to bow out with the justification that "someone else" was training students in nematology and that over time, nobody would be left to do the job. However, Tom agreed to attend because he understood that this "evolutionary" train was leaving the station and that we better be on it. As I contacted other potential feasibility attendees, I got similar stories of guarded concern, but a general understanding that something needed to be done and why not examine this. So, we (Drs. John Capinera, Ernie Bernard (University of Tennessee), Jon Eisenback (Virginia Tech), Russ Ingham (Oregon State University), Tom Powers (University of Nebraska), Joelle Pitts from AG*IDEA, and myself) met in mid-November at an airport hotel and spent half a day deciding whether we thought we could get behind something in the next couple of years. And the answer was, "Yes, let's give it a try". We also felt that because this could ultimately impact how nematology is taught nationally, we wanted to reach out to the

Society for input. We plan to do this in a discussion session that will occur before the plenary session from 10:30 AM to noon on July 17 at the SON annual meeting in Corvallis, Oregon. We have invited Associate Dean, Cary Green from Oregon State University to help introduce AG*IDEA and the members of the feasibility team will be there to participate in a panel discussion.

Our proposal at this point is to foster development of WWW-based distance education courses leading to a specialization in nematology and the awarding of a certificate and/or Master's degree. However, this same effort will allow one or more courses to be available at the undergraduate or graduate level for those not interested in pursuing the complete certificate. We anticipate that both individual courses and the certificate program will be useful for programs experiencing reductions in faculty staffing, as well as smaller institutions

(continued on page 4)

***Mark your calendars and plan to attend a special AG*IDEA discussion session at the annual meeting:
July 17, 2011
10:30 AM—12:00 NOON
(before plenary session)***

**NATHAN A.
COBB
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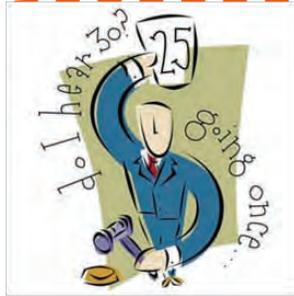
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Silent Auction

Come participate in a silent auction to raise funds for the Nathan Cobb Nematology Foundation to be held during the Society of Nematologists Annual Meeting in Corvallis, OR (50th Anniversary Meeting, July 17-21, 2011).

The Cobb Foundation builds self-sustaining endowments for the advancement of nematology.

http://www.crec.ifas.ufl.edu/societies/nacobb/cobb_foundation.htm

The following items will be available for bidding near the registration area.

1. Out of print Nematology books.
2. Original reprints of significance.
3. Items that belonged to historical Nematologists.
4. Paraphernalia from long ago meetings.
5. Nematology artwork, drawings, and photographs.
6. Other items of historical interest to Nematology.

Bidding will close 10 minutes after the SON Business meeting – 5:10 pm on Wednesday, July 20th. Payment and item pickup will take place from 5:10 pm until 6 pm on July 20th.

We are still accepting donated items of historical interest to nematology.



Patricia Timper
Chair, Nathan Cobb Foundation
229-387-2377

AG*IDEA Nematology National Graduate Program (continued from page 3)

that may have lacked such expertise in the past. It will also allow for a standardization of learning outcomes and for a nationwide orchestration of the training of nematology. We also feel that to be successful, we will need university “by-in” to support the national program with re-hires as necessary to make the program sustainable over time. The core curriculum would consist of two courses, introductory nematology (3 credits) and plant nematology (3 credits), with required participation in a (2 unit) hands-on plant nematology workshop which could take advantage of already available programs presented by Clemson and UC Riverside (although this would require UC membership in AG*IDEA). Students could also choose from a number of additional courses to satisfy the 12-credit requirement for the certificate. Among other courses proposed are nematode morphology and identification (3 credits), nematode ecology (3 credits), nematode physiology and molecular biology (3 credits), insect-parasitic nematodes (1 credit), free-living nematodes (1 credit), nematodes affecting vertebrate animals (1 credit), and independent

study in nematology (1 credit). All courses could be offered at both the graduate and undergraduate level.

Once again, we are looking at change and the anxiety that comes with change. I feel strongly that we must maintain relevance in a changing world and that training students about nematodes is still very important work. How we effectively do it to reach the right people in the right way at the right time for the right amount of money is up for discussion. Please join us at the discussion session at this year’s annual meeting to help us in that conversation.

Respectfully submitted,
Robin M. Giblin-Davis, Ph.D.
Professor and Acting Center Co-Director
Fort Lauderdale Research and Education Center
University of Florida/IFAS
3205 College Avenue
Davie, FL 33314
Phone: 954-577-6333
Email: giblin@ufl.edu

Employment Opportunity: Professional Scientist III-Nematologist

Pasteuria Bioscience, Inc. was founded in 2003 in the University of Florida's Sid Martin Biotechnology Incubator. The company has invented a revolutionary technology for production of *Pasteuria* spp. for control of plant-parasitic nematodes.

We are developing and commercializing novel biological pesticide products using this technology. This is the largest remaining pest control need in all agricultural sectors. Our products are effective, safe, environmentally-friendly, and highly specific to the target pest.

We know that there are many factors to consider when deciding on the best organization for your career growth – personal satisfaction and compensation, pleasant relationships and working conditions, career development and promotion opportunities and health benefits are just a few. As a member of our team, you will be expected to contribute your talents and energies to improving the environment, quality and reputation of the company. And, we will be committed to assuring you a satisfying work experience.

Qualifications:

Master's degree or PhD in Nematology, Plant Pathology or a related field

Must thrive in a fast-paced entrepreneurial environment and work well in a team

US citizens or permanent residents only

Additional Qualifications:

Experience in collecting, identifying and maintaining all major agricultural plant-parasitic nematodes, including

greenhouse population maintenance. Experience in laboratory management and management of greenhouse and laboratory studies involving plant-parasitic nematodes, including experimental design, setup, data collection and data analysis. Proficiency with scientific record-keeping such as laboratory notebooks and protocol development. Excellent communication skills, including fluency in written and spoken English, are an absolute must.

Computer skills must include proficiency with Microsoft Office. Basic microbiology skills such as plating and aseptic technique a plus. Proficiency with a statistics package such as ARM, SAS or StatSoft also a plus.

Benefits:

We value our employees' time and efforts. Our commitment to your success is enhanced by our competitive salary and an extensive benefits package including paid time off, medical, dental and vision benefits and future growth opportunities within the company. Plus, we work to maintain the best possible environment for our employees, where people can learn and grow with the company. We strive to provide a collaborative, creative environment where each person feels encouraged to contribute to our processes, decisions, planning and culture.

For more information, visit the Pasteuria Bioscience web site at <http://www.pasteuriabio.com>.

EOE

To Apply:

To respond to this opportunity, please go to:

<https://insperity.ats.hrsmart.com/cgi-bin/a/highlightjob.cgi?jobid=65396>

Regional Project S1046 Scientists Meet

Scientists collaborating on regional project S1046, *Improved Management of Plant-parasitic Nematodes through Modern Diagnostic Tools and Increased Use of Host Resistance*, met in Atlanta in January. The project's research objectives are (1) integrate resistant cultivars with other nematode management tactics to reduce selection pressure on nematode populations and communities, (2) identify and incorporate new sources of resistance into elite germplasm lines and cultivars, and (3) facilitate and improve identification of nematode species and races. Additional project details and contact information for the fourteen scientists representing universities and USDA ARS who are official members of the project team can be found online at: <http://nimss.umd.edu>.



Participants at the S1046 annual meeting, Atlanta, GA. Seated (L to R): Don Dickson, Gary Lawrence, Charles Overstreet, Paula Agudelo, Jon Eisenback. Standing (L to R): Bob Robbins, Stephen Koenning, Richard Davis, Jim Starr, Martin Wubben, Kathy Lawrence, Ed McGawley, Patty Timper, Henry Nguyen, Sally Stetina. Not pictured: Ron Laceywell (Administrative Advisor).

News from Portugal

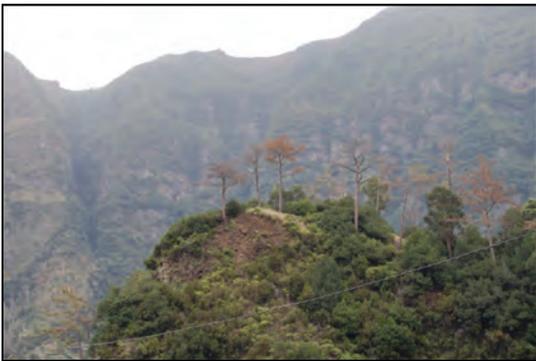


Symptoms of pine wilt disease.

Pinewood nematode

The pinewood nematode (PWN), *Bursaphelenchus xylophilus*, has recently been detected in Northern Spain, in the Galicia region (near the port of Vigo). This is a worrisome situation and shows the dangerous risk of expansion to other European countries. The European Union has recently approved a major research project, under Framework 7th, entitled “Analysis of the potential of the pine wood nematode (*Bursaphelenchus xylophilus*) to spread, survive and cause pine wilt in European coniferous forests in support of EU plant health policy” (acronym REPHRAME). According to the

general objectives, the REPHRAME project brings together Europe’s leading experts on PWN, together with colleagues from around the world, to address the key gaps in current knowledge. As well as providing a scientific basis for governmental action to deal with PWN, the results of the project will be synthesized into a user-friendly toolkit so that workers on the ground can put them to immediate use. The project also includes extensive dissemination activities to ensure the uptake and application of results across the EU and worldwide. The University of Évora (NemaLab/ ICAAM), together with another Portuguese institution (INRB), participate as full partners in this major project.



Pine wilt disease on Maeira Island, which has Europe’s most diverse forest, the “laurissilva.”



EUMAINE: European MSc in Nematology

This prestigious EU post-graduate program, initiated in 2008, continues to attract and recruit top-quality students to engage in an interesting MSc program in Nematology. Students attend a 1st semester in the coordinating institution (University of Ghent, Maurice Mones, Nic Smol and Frieda Decraemer) and circulate among other partner institutions and countries, including, in Portugal, the University of Évora. The program provides solid training in all aspects of Nematology, excluding the animal and human parasites. Students may also choose between a “natural ecosystems” and an “agro-ecosystems” specialization. The first batch of 20 students has already graduated in summer of 2010. For more information, visit:

<http://www.eumaine.ugent.be/index.asp>.

Submitted by
Manuel Mota
University of Évora
Portugal



Who knew “Tree Climbing 101” was a prerequisite for this program?



EUMAINE students Huaihan Cai (China) and Masuder Rahman (Bangladesh) with post-doc, Dr. Claudia Vicente, at lunch.



Training Opportunity at UC Riverside



Identification of Plant-Parasitic Nematodes & Molecular Phylogenetic Analysis University of California, Riverside Campus

SECTION 1: IDENTIFICATION OF PLANT PARASITIC NEMATODES AUGUST 22-26, 2011

Five-day lecture and laboratory course on morphological identification of economically important plant parasitic nematodes in Tylenchida, Triplonchida and Dorylaimida using dissecting, bright field and interference contrast microscopy. Use of five-head microscope and video capture equipment provides hands-on experience in recognizing diagnostic characteristics. Topics include simple techniques for extraction and preparation of temporary and permanent slides of plant parasitic nematodes; relevant morphological characteristics and terminology; identification of plant parasitic genera from mixed soil samples; outline classification of higher categories, with an update on recent taxonomic and phylogenetic developments; and keys for species identification of the most important taxa in California.

Note: Section 1 of the workshop is designed for students with minimal background in nematology. The workshop is also open to UC students and staff, pest management specialist, farm advisors and workers in private diagnostic laboratories. Class size is limited to 15 students. Previous classes have been full.

Coordinator: James G. Baldwin, Ph.D., Professor and Nematologist, Department of Nematology, UCR. After completing his graduate and postdoctoral work at North Carolina State University on morphology and taxonomy of nematode parasites of agricultural plants, Dr. Baldwin worked on regulatory and diagnostic nematology at the Florida Department of Agriculture. For the past 33 years at UCR, his teaching and research have been on nematode morphology, systematic and evolution. Students will be awarded a certificate upon completion of the course.

Guest Speaker: Manuel Mundo-Ocampo, Ph.D.

Research Associate, UCR and Professor at CIIDIR-IPN, Unidad Sinaloa, Mexico. Dr. Mundo-Ocampo has assisted with and participated in numerous courses and workshops in Mexico, S. America and at the Department of Nematology at UCR. He has over 30 years of experience in scanning electron microscopy, nematode systematics and field Nematology.

Location: UCR Campus

Registration fee: SECTION 1 = \$100; SECTION 2 - \$100 (BOTH SECTIONS = \$200)

Accommodations: Single or double rooms can be reserved up to August 5 at Dynasty Suites www.dynastysuiteshotel.com/, 3735 Iowa Avenue Riverside, CA 92507, when making reservations please tell them that you are associated with the *UCR Nematology Workshop*. 951-369-8200.

Partial Financial Support: Limited funds are available for partial support based on merit and need. Please see the attached information.

SECTION 2: MOLECULAR PHYLOGENETIC ANALYSIS OF NEMATODES AUGUST 29-SEPTEMBER 2

This five-day lecture and computer laboratory course will emphasize quantitative phylogenetic methods used to analyze molecular sequence data for systematic, evolutionary and diagnostic purposes. This will include familiarization with selected software packages in widespread use for multiple sequence alignment, phylogeny estimation, and evolutionary analysis. The underlying theory of different phylogenetic methods will be presented as a basis for making informed choices regarding inference approaches. Other topics will include techniques for determining tree reliability and statistical methods for comparing trees. Molecular laboratory methods for generating sequence data will be discussed, but are not the primary focus of the workshop. Students will be provided with the computer and software needed to gain hands-on experience with analysis methods during the workshop.

Note: This course is designed for students with basic working knowledge of genetics, but does not require previous experience in molecular phylogenetic analysis. Class size is limited to 15 students. Students will be awarded a certificate upon completion of the course.

Coordinator: Steve Nadler, Ph.D., Professor and Nematologist, Department of Nematology, UC Davis. After completing his graduate work at Louisiana State University Medical Center on the molecular systematics of animal parasitic nematodes, Dr. Nadler worked on parasite systematics and phylogenetics during postdoctoral work at University of Massachusetts and Louisiana State University. Dr. Nadler was a faculty member at Northern Illinois University for six years before accepting a research and teaching position at UC Davis in 1996. His research program has focused on the molecular systematics of nematodes, ranging from parasites of vertebrates to free-living microbivores.



FOR FURTHER INFORMATION:
Phone: 951. 827. 2583
Email: marisela.martinez@ucr.edu

ENROLLMENT FORM

I wish to enroll in:

Section 1: Identification of Plant Parasitic Nematodes Section 2: Molecular Phylogenetic Analysis

ENCLOSE: Check made payable to REGENTS-UC in the amount of \$ _____ (US Dollars only) to cover _____ enrollment(s). If paying via wire transfer of funds please contact Marisela Martinez (address above) for further information.

MAIL TO: Marisela Martinez, Department of Nematology, 900 University Avenue, Riverside, CA, 92521, USA

Full Name (please print) _____ Business (or home) E-mail Address _____ Social Security No. _____

Home Address _____ Daytime Phone _____

City _____ State _____ Zip +4 _____

Are you a U.S. Citizen? Yes No If no: Permanent Resident Type of VISA _____

Provide a sentence or two describing your background in Nematology: _____

On the basis of pre-registration and space limitation, Extension students will be notified by June 1 of acceptance for the class. Confirmation will then be sent to you. PLEASE USE SEPARATE SHEET FOR EACH STUDENT ENROLLING. THANK YOU.

In Memoriam

Roland H. Mulvey



The nematologists of Canada deeply regret to report the death of Roland Hugh Mulvey on October 24, 2010, in Ottawa at the age of 93.

Roland Hugh Mulvey was born in Timmins, Ontario in 1917. After serving in the World War II with the Veteran Royal Canadian Artillery 51st Battery (Italian and Dutch campaigns), he obtained his B.Sc. degree from Macdonald College of McGill University, Quebec, in 1951, with a major in entomology. His M. S. degree was received from Oregon State University in 1954, with a major in plant pathology and minors in nematology and genetics. Mr. Mulvey began his career in nematology in 1947 as a research assistant under Dr. A.D. Baker, then head of the newly formed Nematology Section in Agriculture Canada (=Agriculture and Agri-Food Canada). In 1951, he was appointed a research scientist in nematology with primary responsibilities through 1956 for the biology and control of the sugar beet cyst nematode. In 1962, he became head of the Nematology Section comprising eight nematologists, a position he held until his retirement in 1979. Through leadership, research and dedicated service, Mr. Mulvey was a particularly dominant force in the development of nematology in Canada. During his 28-year career, he was active in support of the Society of Nematologists, and served on several committees, including the Honors and Awards and the Systematic Resources Committees, and on the Editorial Board of the Journal of Nematology. He was recognized for his exceptional service to Nematology in the 1967 of the Nematology Newsletter 12(2). He was honored by his many colleagues and named a Fellow of the Society of Nematologists in 1985.

Rollie Mulvey's many research accomplishments concentrated largely on the systematics *Meloidogyne* and Heteroderidae, and on the predatory group in the Mononchoidea. He has authored and co-authored numerous publications including 45 authoritative research papers on these groups alone, and earned recognition as one of the leading international taxonomic authorities. Rollie Mulvey gained stature early in his career for his pioneer work from 1954 to 1960 on the genetics of plant-parasitic nematodes. He was the first to find and characterize chromosomes in root-knot and cyst nematodes, and to establish their value in the taxonomy of species. Recognition of the implications of this early work leads, in 1959, to invitations to present a series of lectures at North Carolina State University and in Canada, at Macdonald College and an Agriculture and Agri-Food Research Station.

He is probably most widely known for his comprehensive, systematic treatment of the genus *Heterodera*. Of particular impact, were his innovative studies on cone-top morphology of cysts and on white females and their extended application to taxonomy and identification of the many species. These contributions permitted an orderly classification of species groupings and established important diagnostic characters for their identification. Roly Mulvey's distinguished career in nematology extended beyond retirement with a major collaborative publication with Morgan Golden on the cyst-forming genera and species of the Heteroderidae on the western world.

Prepared by Qing Yu (Qing. Yu@agr.gc.ca)

John Webster

Mario Tenuta



Amegda J. Overman

Amegda J. Overman of Bradenton, FL passed away Sunday, February 13, 2011 at the age of 90.

She was born in Tampa, Florida to Eloise Urquhart Smith Jack & Nicholas George Hatzakos Jack. Her husband, Richard Douglas Overman, and brother, George N. Jack preceded her in

death. She is survived by her sister-in-law, Rosemary Jack.

Amegda was a Professor of Research at the University of Florida. In her professional capacity, she served as 1972 Chairman of Florida Nematology Forum, 1975 President of the Organization of Tropical American Nematologists,

In Memoriam (continued from page 8)

and 1981 President of the Soil and Crop Science Society. She received the Society of Nematology Award for Excellence in 1982, the Presidential Award from the Organization of Tropical American Nematologists in 1985, and Alumna of Outstanding Achievement from the University of Florida in 1993. As recently as 2003, she published on the biology and management of phyto-parasitic nematodes.

Amegda's official obituary can be viewed online at:

<http://www.legacy.com/obituaries/bradenton/obituary.aspx?n=amegda-j-overman&pid=148649111#ixzzIPNPYUIAc>



Bert M. Zuckerman

Bert M. Zuckerman, a resident of Bay Square at Yarmouth, ME passed away on March 5, 2011 at home after spending several days in the presence of family. He was 86 and had endured a series of illnesses over the past year.

He was born on March 26, 1924 in New York City, the son of Harry and Pearl Zuckerman. Young Bert attended George Washington High School while helping his parents in the family grocery store on weekends. At age 17 he joined the Merchant Marines, and while out at sea, he saw the early stirrings of World War II. Upon return, he matriculated into the Forestry School at North Carolina State University, where he received his B.S. He subsequently studied for M.S. and Ph.D. degrees at Syracuse University and the University of Illinois, respectively, focusing on the field of plant pathology. His graduate work was interrupted by the draft. He served on a medic team in the Army while stationed in Germany, France and Switzerland during World War II.

After completion of his doctorate, he joined the faculty of the University of Massachusetts in 1955 and rapidly advanced to full professor within 8 years. His early research centered on general plant pathology, but soon he directed his energies to the study of nematodes, microscopic roundworms that live in the soil. Dr. Zuckerman became an international authority on the biology of these organisms and the scope of his research was wide, ranging from investigations of crop damage and population dynamics to the biology of aging. He was one of the pioneers who used nematodes as models for understanding basic biological processes, a strategy still being used in developmental biology and neuroscience to this day. The magnitude of these findings is reflected in more than 150 published research papers. He was a prolific scientific writer and editor, having been credited with 7 books, several laboratory manuals translated into Spanish, 3 patents for novel biopesticides, and numerous appointments to editorial boards for journals in nema-

tology and plant pathology. He greatly enjoyed visiting professorships around the world during his tenure: Polish Academy of Science, Warsaw; Rothamsted, England; Volcani Institute, Technion, Weizmann Institute and Hebrew University/Hadassah Hospital, Israel; Aegean University, Turkey; McGill University, Canada; and the University of Chapingo, Mexico. He also served as Agricultural Consultant to the government of Malawi through the United States Agency for International Development. A great supporter of the young state of Israel, he hoped to spur international bridge building through scientific collaboration at a time when such aspirations were rarely expressed. These contributions and others led to his election as a Fellow of the Society of Nematologists in 1983.

Beyond work, Bert had a wide variety of interests. He was an avid birder who catalogued his observations over many years during travels around the world. He also took great pride in a magnificent collection of stereoscopic views of Palestine - once estimated to be the second largest in the world. During his retirement, articles he penned for Stereo World garnered him two writing awards from the National Stereoscopic Association. Other interests included fishing, hiking, bike riding, Nordic skiing, SCUBA diving and listening to classical music. He also loved being out at sea or on the flats digging clams and quahogs with his children and grandchildren. He is fondly remembered for his eccentric comb-over hairstyle, quirky sense of humor, and flair for telling animated and imaginative adventure stories.

He leaves Hannah Zuckerman, to whom he was married for 55 years; his three children, Myra Zuckerman, Linda Gliedman, and Jonathan Zuckerman; and five grandchildren, Shoshanah Zuckerman, Micah Zuckerman, Nathan Gliedman, Jonah Zuckerman, and David Zuckerman.

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Editor's Corner

A great big "Thank You!" to all of you who contributed items for this edition of the Nematology Newsletter! Keep those submissions coming!

All members are welcome and encouraged to contribute items such as news articles, photos, research updates, member profiles, awards and honors, and retirements to the newsletter. Past issues have included poetry, artwork, and even crossword puzzles, so think "outside the box" and send in your items!

The Nematology Newsletter is published four times each year (March, June, September, and December). Submissions for the September 2011 issue must be received no later than August 31, 2011. Items received after that deadline will be included in the December 2011 issue.

If possible, prepare your articles using Word. Please note that if you are sending large files, the email server sometimes will block those attachments. I will acknowledge all submissions. If you send something and do not hear back from me, please do follow up to be sure that I received it.

New SON Web Page Launched

If you haven't been to the SON website recently, you should check it out! We are at the same web address, but with a brand new look and some new features.

Byron Adams (byron_adams@byu.edu) is our Website Editor. If you have questions or suggestions, feel free to contact him.

Check out our new look:
www.nematologists.org

The screenshot shows the Society of Nematologists website in a Windows Internet Explorer browser window. The address bar shows <http://www.nematologists.org>. The page has a blue header with the text "Society of Nematologists" and a navigation menu with links: HOME, ABOUT US, MEMBERSHIP, RESOURCES, COMMUNICATION, MEETINGS & EVENTS, NEWS & PUBLICATIONS, PRODUCTS, LOGIN. The date "today is: June 20, 2011" is displayed in the top right. The main content area includes a "Welcome to SON" section, a "SON 50th ANNUAL MEETING" announcement for July 17-21, 2011 in Corvallis, Oregon, with a "Registration is now open!" message and a "2011 Meeting Info" link. There is also a "Donate To S.O.N." section with a search bar and a "Nematodes and You" section. The footer features logos for sponsors: Pastureia, Dow AgroSciences, and Valent BioSciences.