



Nematological Society of Southern Africa

Nematologiese Vereniging van Suider Afrika

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EDITORIAL

Dear Colleagues,

Kindly take note of all the "need to know" information regarding the Nematology symposium, the other conferences, the short-course and the George Martin Memorial Scholarship.

Dr. Emilio Fernandez Gonzalvez was kind enough to forward the programme and abstracts from the INTERNATIONAL CONFERENCE ON METHYL BROMIDE ALTERNATIVES, which was held in Havana Cuba in May 2004. I did not include it in the Newsletter, as it is written mainly in Spanish. Please contact me if you or interested in having the information.

Jeannie van Biljon

Newsletter editor

Jeannie van Biljon

Nematologist

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TRIBUTE TO THE LATE PROF. FRANCO LAMBERTI

" Franco was one of the truly great characters in Nematology, and whilst many did not approve of his science he made many think hard and deep about their own science. He was probably the world ambassador for Nematology and assisted many fledgling scientists in the more remote corners of the world who had limited equipment/international contact. I was always appalled by the arrogance of many of his contemporaries that criticized him for publishing "poor quality" papers in Nemit Medit. It is so easy to criticize when you sit in a lab surrounded by state of the art equipment and access to the literature. For example, you have visited Russia and saw the reality first hand! We now have several Russian scientists that have earned themselves good international reputations. This is what Franco was all about, and he succeeded at this better than any other nematologist I know."

Derek Brown

"Prof. Franco Lamberti was a good friend of South Africa and visited us on several occasions. He attended several of our symposia i.e. the one at Golden Gate (1989), Kruger Gate (1995) and

Strand (2003). The wine industry brought Prof. Lamberti to South Africa in the early 1980's to have a look at virus transmittance by Xiphinema in vineyards. He was a great friend of the late Prof. Juan Heyns and both of them had a special love for Xiphinema. He also visited South Africa in March 2002 where he first worked with Antoinette Swart and then later visited Hans Hugo for Xiphinema sampling."

Hans Hugo

FROM THE PRESIDENT

Dear member and interested person

It is a good feeling to realise that the next symposium is due within a few months! The majority has already submitted registration forms and abstracts. Remember, the deadline has been postponed once already.... Even so, I do not think you want to miss this symposium. Apart from the idyllic setting of the venue, there promises to be a larger than normal contingent of foreign delegates. This is partly due to a special workshop to be held directly after the symposium by members of a Flemish project. Mieke Daneel and her colleagues are highly competent organisers and I look forward to this symposium, as one may expect nothing short of the best. Brian Kerry of Rothamsted, UK, is going to be the keynote speaker.

It is therefore also time to remind every member to please consider nominations for the Rhone Poulenc Award (contribution to Nematology and/or NSSA over the past two years; 2003 recipient Dirk De Waele for initiating the VL.I.R. project) and honorary memberships (lifetime contributions to Nematology and the NSSA (latest recipient Dirk De Waele). We would like to receive these nominations before the Seventeenth Symposium in May this year because the current Executive Committee (EC) needs to evaluate the nominations before the presentation event (usually gala dinner). Also please consider nominations for the EC for the 2005-2007 term. We will accept nominations until first teatime on the day of the biennial general meeting (sometime during the symposium). Also do remember that applications for the George Martin Scholarship are being waited for. You may contact me or any other EC member for more information on any of the above-mentioned aspects. The other EC members are Driekie Fourie, Jeannie van Biljon, Mieke Daneel, Vaughan Spaul and Dirk de Waele, for your convenience. Their e-mail addresses are provided in the distribution list of your newsletter, I am sure.

It is almost too long ago to mention, but the first short course in a long time run in Potchefstroom was very successful. We had 10 candidates from various corners of the country and even one from Uganda. Our Pretoria, Rustenburg, Polokwane (Pietersburg) and Stellenbosch colleagues contributed substantially with lectures and support and we had Dirk de Waele from Belgium for a few days as well. Elsewhere in the newsletter you will find more information as well as entry forms for the next course, which we request you to kindly make available to potentially interested candidates. We need an indication whether an additional course this year would be viable, or whether more candidates will want to attend the scheduled course next year (2006). Kindly contact us if you have any ideas or information in this regard.

It is going well with postgraduate training at the moment. There were a number of new acquisitions for masters this year and at least two PhD's are to register. We have candidates that registered at international universities and international students who have registered at our universities. The efforts and commitment of everybody involved in this regard is appreciated.

Congratulations to the Australians for winning the bid to host the Fifth International Nematology Congress. Locally our team that prepared our bid is highly commended for their effort, because although we did not make it, they did us proud. When you see the material Mieke Daneel, Ethne Cameron and Hennie le Roux submitted you would realise that the loss is not ours. We are certain that everybody that comes to our local symposia will realise that we could just as well have been granted an opportunity to host a big one. South Africa has a lot to offer and has contributed significantly to Nematology, although we are few and far between. Even though this will have been our last trial for the foreseeable future, we wish the Australians well and hope a fair number of NSSA members will be able to attend the Fifth.

Unfortunately we have lost one of our regular visitors and supporter from abroad, Prof Franco Lamberti. We are sad that he will not visit anymore and add value to our cause. No doubt the global nematology community will miss him such were his contributions.

Hoping to see you at the Seventeenth Symposium.

Kind regards.

Alex Mc Donald

mcdonalda@arc.agric.za

NEWS FROM THE WESTERN CAPE

News from the Western Cape

During the last couple of years the Western Cape nematologists get together on a regular basis. The last social gathering was on the 4th of November 2004 at the Botanical Gardens of Stellenbosch University where a lovely breakfast was enjoyed. On the 27th of August and on a much sadder note, a pasta evening was held at the house of Prof. Bertus Meyer in remembrance of Prof. Franco Lamberti who sadly passed away earlier that month.

The South African Agriculture, Food, Quarantine and Inspection Service (SAAQIS), Stellenbosch, has promoted Rinus Knoetze to Principal Plant and Quality Control Officer (Head of the Nematology Section) in October 2004. Congratulations Rinus!

From observations by Sheila Storey, Nemlab, *Leucodendron* spp. seem to be hosts to *Xiphinema* spp. nematodes.

Hans Hugo has a busy year ahead of him. Winetech has approved two of his projects for 2005. One project will be in collaboration with Antoinette Malan about nematodes found in irrigation water. The 2nd project will be covering the host status of cover crops planted in vineyards and a 3rd project, approved by the DFPT (Deciduous Fruit Producer's Trust), will be in collaboration with Prof. Bertus Meyer about nematode symptoms occurring on apple roots.

During the period 24 May to 4 June 2004 Antoinette Malan attended a two-week course on entomopathogenic nematodes at the Department of Entomology and Nematology at the University of Florida. The convener of the course was Dr. Khuong Nguyen with the assistance of two post graduate students, Heather Smith of the USA and Ugar Gozel from Turkey. Dr. Nguyen has described one new genus, 14 new species of nematodes and done research in biological control of insects with EPN. He is currently teaching a nematode identification course, taxonomy and systematics of nematodes to graduate students at the University of Florida. During 1985 he travelled to Uruguay to collect a nematode, later described as *Steinernema scapterisci* Nguyen & Smart, 1990 which is a big success story as a biological control agent against mole crickets in Florida. Antoinette, in collaboration with Dr. Nguyen, is in the process of describing a new species of *Steinernema* found in the Cape Province.

Prof. Bertus Meyer is still enjoying good health and manages to keep himself adequately occupied as a self-employed nematologist while at the same time refraining from direct competition with any of his former students. He will, however, collaborate next season with Hans Hugo on a project for the apple industry where they will endeavour to gather information on the pathogenicity of different *Xiphinema* species to apple roots.

Prof. Bertus will unfortunately miss the upcoming symposium because he will be touring Europe and the United States during the month of May. It will only be the second time that he misses a symposium since the first one held in 1973!

On the social front, the great news is that on Saturday April the 2nd Caroline du Preez will take the big step to become Madame Mouton. The couple will settle in their new house in Strand.

Caroline du Preez

SAAFQIS, Stellenbosch – On behalf of the Western Cape Nematologists

NEWS FROM ARC-GRAIN CROPS INSTITUTE (GCI)

Hottest news is that Driekie Fourie has passed her preliminary exams for her PhD at the Catholic University of Leuven, Belgium and might well be Doctor Driekie by the time you read this. Congrats to Driekie! She has done us at GCI as well as the NSSA proud!

Nancy Ntidi completed a tough course in Sustainable Rural Livelihood presented by the ARC and the International Centre for Development Oriented Research in Agriculture (ICRA). She also registered for her second year in Masters of Plant Protection (Nematology) at North-West University (PUK). Her project entails the effect of weeds on nematode populations in small-scale farming systems. Sonia Steenkamp registered for PhD at the same campus. Her study is about nematode resistance in groundnut. Sveta Gaidashova from Rwanda is also busy registering for her PhD at Potch. Apart from Nancy, Moses Lesufi, Caroline Leswifi and Tshiamo Mothata successfully completed the various parts of their studies last year. This year three new Master students registered for the Nematology course at Potchefstroom Campus, NWU. Sonia Steenkamp also lectures students from the Potchefstroom Agricultural College as a scheduled part of their curriculum in basic nematology, with emphasis on extraction, counting and identification of plant-parasitic nematodes.

GCI had its annual Open Day on 24 February and Nematology displayed various resistance sources in crops that were identified by this group. They also had a stationary display of nematology facts, features and methodology that are relevant to the agricultural sectors dealt with by this institute.

Dirk De Waele from Belgium paid a brief visit to GCI in connection with the VLIR project. Alex McDonald, Driekie Fourie and Mieke Daneel accompanied Dirk to visit William Mashela during the same mission. As a result of this visit Prof Mashela sent two students to Potch for in-job training in laboratory techniques and procedures.

Driekie and Alex visited Mieke in Nelspruit to assist her with arrangement for a VLIR international travel workshop following directly after the Seventeenth Symposium. Most of these delegates should be able to attend the symposium as well.

Potato South Africa is in a process of negotiation involving nematologists of the ARC-GCI with regard to a nematode survey in potato production areas of South Africa. The proposed project will preferably include a number of local nematologists and the outcome should definitely be to the benefit of potato producers in the country.

Nematology Group

ARC-Grain Crops Institute

FEEDBACK ON THE FOURTEENTH ANNUAL SYMPOSIUM OF THE SOILBORNE PLANT DISEASES INTEREST GROUP OF SOUTH AFRICA.

The Soilborne Plant Diseases Unit of the Agricultural Research Council's Plant Protection Research Institute hosted the 14th interdisciplinary symposium on Soilborne plant diseases on 15 and 16 September 2004 at the Vredenburg Research Centre of the ARC-PPRI in Stellenbosch. The topic for this year's symposium was Crop Rotation and Soilborne Plant Diseases and was attended by 60 representatives of Research Councils, National and Provincial Departments of Agriculture, private companies and universities. Participants represented a wide range of

disciplines such as agronomy, botany, entomology, horticulture, microbiology, nematology, plant pathology, and soil science.

The following topics with regards to nematodes were introduced and discussed in depth:

- The need for crop rotation for managing nematode problems – Sheila Storey
- Crop rotation as part of an integrated pest managing programme for the control of plant parasitic nematodes – Jeannie van Biljon
- The effect of intercropping and organic amendments on nematodes and rain-fed sugarcane in a small scale farming system in Kwazulu Natal – Patrice Cadet

Conclusions reached with regards to nematodes were the following:

- Practices to evaluate the host range and specificity of plant parasitic nematodes should be standardized in South Africa and susceptibility of new cultivars to nematodes should be evaluated on a continuous basis
- A database for the host status of plant parasitic nematodes in South Africa should be compiled as a matter of urgency.

The nematode Discussion Group convened on the 14th September.

1. Nematode short course and formal training

Prof. Alex McDonald gave feedback on the Nematode Short Course held at the North West University in Potchefstroom -

- 12 candidates were trained;
- Another course will be held in 2005
- The few problems which occurred will be straightened out

Attention was also given to other courses and the status of formal training in South Africa -

- 20 people attended the course at the Centre for Crop improvement at the University of Natal, which was presented by Ton van der Wal & Jan van Bezooijen
- Formal training – 4 M.Sc's at North-West University; 2 PhD's at the University of Pretoria

2. Database for the host status of rotation crops in South Africa

It was decided to discuss this topic in more detail at the Nematology Symposium.

3. How can nematodes be controlled in an organic system?
Nematode control is becoming more and more problematic especially in an organic system. There is however no short-term solution. This calls for a long-term research project.
4. Information on nematode identification with molecular techniques
Molecular techniques will have to be refined and other techniques will have to be developed because people counting nematodes are becoming a dying breed.
5. The necessity of nematode counts for registration purposes
If any claims are made for a substance to be nematicidal it must do just that. i.e. nematode numbers must be reduced. The status quo remains.

THE SECOND INTERNATIONAL SIMPOSIUM ON PHYTOSANITARY SURVEILLANCE AND ITS RELATION TO THE ENVIROMENT PROTECTION

This symposium will be held from May 30 to June 3 2005 in Havana, Cuba.

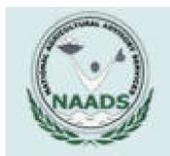
There will be different topics on Plant Health including plant parasitic nematodes. We are trying to organize an special session on nematodes.

IT WILL BE A GOOD CHANCE TO KNOW CUBA AND THE NEMATOLOGY IN OUR ISLAND.

For further information you can contact with us.

Dr Emilio Fernandez
Nematologist
Scientific Director
INISAV





7th African Crop Science Society Conference First Announcement and Call for Abstracts and Papers



Theme: Opportunities and Challenges in transforming African Agriculture

Venue: The Imperial Beach Hotel, Entebbe, Uganda, 5- 9 December 2005

Organizers: ACSS, NARO, NAADS and Makerere University

Scope: The conference provides a forum for agricultural scientists and educationists, policy makers, entrepreneurs, development partners and farmers to present their latest research findings and dialogue on aspects that enhance agricultural enterprise productivity and profitability. It will also examine technological and socio-economic issues that impact on agricultural production and market continuum.

Conference Topics and Symposia. The Conference will address issues in the following areas: enhancement of crop and animal productivity; agricultural policy; marketing; management of agricultural biotic constraints; food processing and value addition; access to agricultural technology and information; agricultural engineering and labor saving technologies; integration of livestock in crop production; and, crosscutting issues such as HIV/AIDS, gender and natural resources management. Special symposia can be arranged in consultation with the secretariat.

Conference fee and Venue: The conference fee is US\$175 per participant and covers a registration package, conference proceedings, an opening dinner, daily tea breaks, lunches, cultural shows and the closing gala dinner. A mid-conference excursion will be arranged at a fee. The venue of the conference will be The Imperial Beach Hotel, an ultra modern hotel by the shores of Lake Victoria in Entebbe, Uganda. The cost of accommodation will be \$65 Bed and Breakfast.

Abstract and Paper Submission: Manuscripts should be written in MS Word or a compatible format and should not exceed in 12-point Times New Roman font, 6-8 double spaced, 8.5 x 11 inch pages including figures, tables and references. Papers should include an abstract not exceeding 150 words with 4 - 6 keywords, and the corresponding author's full address including email address. The format of the papers should be that of the African Crop Science Journal, and will be presented either orally or in poster format. Posters should measure 1.2m (height) x 1.0m (width). Most presentations will be by poster.

Conference Proceedings: The secretariat will publish the Conference Proceedings in Advance. Therefore, authors are requested to adhere to the timeframe given below for submission of complete papers so that they can be subjected to the peer review process, typesetting, proof-reading and actual publication before the Conference date. Authors who intend to have their papers published in the Conference Proceedings should take note of, and adhere to the date for submission of complete papers.

Timeframe and Deadlines

30 November 2004:	First announcement and call for abstracts and papers
30 March 2005:	Second and Final announcement
30 April 2005:	Deadline for receiving abstracts
31 July 2005:	Deadline for receiving complete papers
1st August - 15 September 2005:	Paper Review and mailing to authors
16 September 2005:	Deadline for receiving corrected versions of Papers from authors
15 October - 15 November 2005:	Typesetting and Production of Proceedings.
5-9 th December 2005	7 th ACSS Conference

Submissions and Enquiries:
Submissions and enquiries should be sent to the Chairperson, Local Organizing Committee:

Prof. Mateete Bekunda
African Crop Science Society Secretariat
Faculty of Agriculture, Makerere University
P. O. Box 7062, Kampala Uganda.
Tel: 256 41 540464
Fax: 256 41 531641
Email: acss@starcom.co.ug

Payments: All payments should be made to:

African Crop Science Journal,
Account Number 4000174,
Barclays Bank (U) Ltd, 16 Kampala Road
P. O. Box 7101, Kampala, Uganda
Telex 61433· Fax 256 41 259467·

NEWS FROM NELSPRUIT

Dear delegates,

A few more words before we meet at Phalaborwa.

The symposium is only two months away and we are busy getting everything in order to make sure you enjoy the meeting in Phalaborwa.

We have got most of the abstracts of the papers and posters. If anyone wants to present a poster, please inform us as soon as possible. At this stage very few posters will be presented.

During the symposium the membership fee can be paid to Driekie. The fee for the following two years is still R100.

The program of the symposium is not yet finalized and we will send it out in the beginning of May.

I am also attaching the second announcement again.

Greetings

Mieke Daneel

ARC-ITSC, Nelspruit



17th Symposium of the Nematological Society of Southern Africa 22 - 26 May 2005

Second Announcement

The Nematological Society of Southern Africa (NSSA) will be presenting its 17th symposium at Hans Merensky Estate in Limpopo Province, South Africa from Sunday 22 May to Thursday 26 May.

Registration will be from Sunday afternoon 22 May and departure on Thursday morning 26 May. Delegates are requested to make their travelling arrangements accordingly. The congress will include papers and poster sessions. Workshops and discussion groups on new or interesting topics can be organized. There will also be a symposium dinner and other social functions and activities.

The symposium will be followed by a workshop from 26 to 27 May on 'Integrated Crop Management for rural farming in Southern Africa' at the Coach House, Tzaneen.

Accommodation

The symposium will be held at the Hans Merensky Hotel which is situated on the estate in Phalaborwa. The organizing committee will make a group reservation.

Hans Merensky Hotel and Estate

Tel: +27 (0)15 7813931

Fax: +27 (0)15 781 7740/5649

P.O. Box 1390, Club road, Phalaborwa, 1390

E-mail: gitw@hansmerensky.com

Website: www.hansmerensky.com

Final Accommodation Costs

R 2 640-00 for 4 nights per person sharing

R 3 120-00 for 4 nights single accommodation

Tariffs include all meals, from Sunday evening to breakfast on Thursday morning.

Banking details

ABSA Bank - Nelspruit Branch

Account name: Nematological Society

Branch Code: 334810

Account number: 4055303530

Registration costs

Local delegates

Members	R600-00
Non-Members	R700-00
One day Visitors	R200-00
Late Registration	R700-00

Foreign delegates

Members	US \$ 200
Non-members	US \$ 250
Late Registration	US \$ 250

Important dates

Abstract submission	28 February 2005
Last date for registration	28 February 2005
Acknowledgement of receipt of abstract	31 March 2005
Last date for payment of accommodation	13 May 2005
Submission of Powerpoint presentations	13 May 2005

Presentations

The organizing committee invites you to present one or more papers or posters on any aspect of the science of nematology at the symposium. The committee will do its utmost to accommodate as many presentations as possible within the given time frame, but also reserves the right to prioritize according to scientific merit, particularly with regard to presented papers.

Contributions should preferably be in English as this is the most common language of southern Africa and a number of delegates will be from countries beyond our borders.

Oral presentations

The maximum time available for oral presentations is 20 minutes. This includes question/discussion time (± 5 min) and speakers should therefore allow for this in their preparation.

Poster presentations

Poster dimensions should not exceed a width of 110 cm and length of 90 cm. Height of the title lettering should not be less than 25 mm and text lettering not less than 8 mm. Posters will be on continuous display for the

duration of the symposium. A 5-minute presentation will be allowed per poster to convey the contents, with 5 more minutes for discussion.

Abstracts

Contributions must be submitted no later than 28 February 2005. Abstracts should be sent preferably as an attached MS Word file by e-mail, or sent on disc to:

Marinda de Beer
ARC - ITSC
Private Bag X11208
1200 Nelspruit
South Africa.

Tel: +27 13 7537000

Fax: +27 13 7523854

e-mail: marinda@arc.agric.za

The format of your abstract should be as follows:

Identification of root-knot nematode species occurring in South Africa using the SCAR – PCR technique

Fourie, H¹, Zijlstra, C² and Mc Donald, AH¹

¹ ARC - Grain Crops Institute, Private Bag X1251, Potchefstroom 2520, South Africa. Driekie@igg2.agric.za

² Plant Research International, PO Box 16, 6700 AA Wageningen, The Netherlands

The availability of well-defined nematode populations is essential for research on host plant resistance screening and breeding as well as crop rotation purposes. Identification of monoculture root-knot nematode species occurring in South African soils and differentiation between species in mixed populations were done by means of the sequence characterised amplified region – polymerase chain reaction (SCAR – PCR) technique. *Meloidogyne fallax*, *M. chitwoodi*, *M. javanica*, *M. incognita*, *M. arenaria* and *M. hapla* were identified. Multiplex internal transcribed spacer (ITS) – PCR amplified a fragment in an unknown root-knot nematode species for which no SCAR – marker is available at present. *M. fallax*, regarded as a quarantine organism in Europe, is a new record for South Africa. Resulting from this study, the geographical distribution of *M. chitwoodi* is at present consequently expanded to four known localities in South Africa. *M. hapla*, *M. fallax* and *M. chitwoodi* occurred in a mixed population on groundnut at

Vaalharts, while both *M. arenaria* and *M. incognita* were detected on *Impatiens* spp. from Durban. *M. javanica*, *M. incognita* and the unidentified species on the other hand were identified as monoculture greenhouse populations. Due to the presence of *M. fallax* in the Vaalharts region, its incidence needs to be quantified, especially in areas where potatoes are included in crop rotation systems. Root-knot nematode species composition of field and greenhouse isolates can be reliably determined using the SCAR-PCR technique, which allows for routine analyses of root-knot nematode species used in research programmes.

Abstracts must be submitted in English in exactly the same format as the example. Typed single spacing, using Arial letter, size 12, full justification and not exceeding 250 words. No figures, tables and references must be included. Underline the name of the presenting author and include the e-mail address. Abstracts should be sent together with the diskette/CD. Inclusion of the abstracts in the scientific program will depend on payment of registration fees. Editorial corrections will be made to abstracts for publication in African Plant Protection, according to publications standards laid down by the journal.

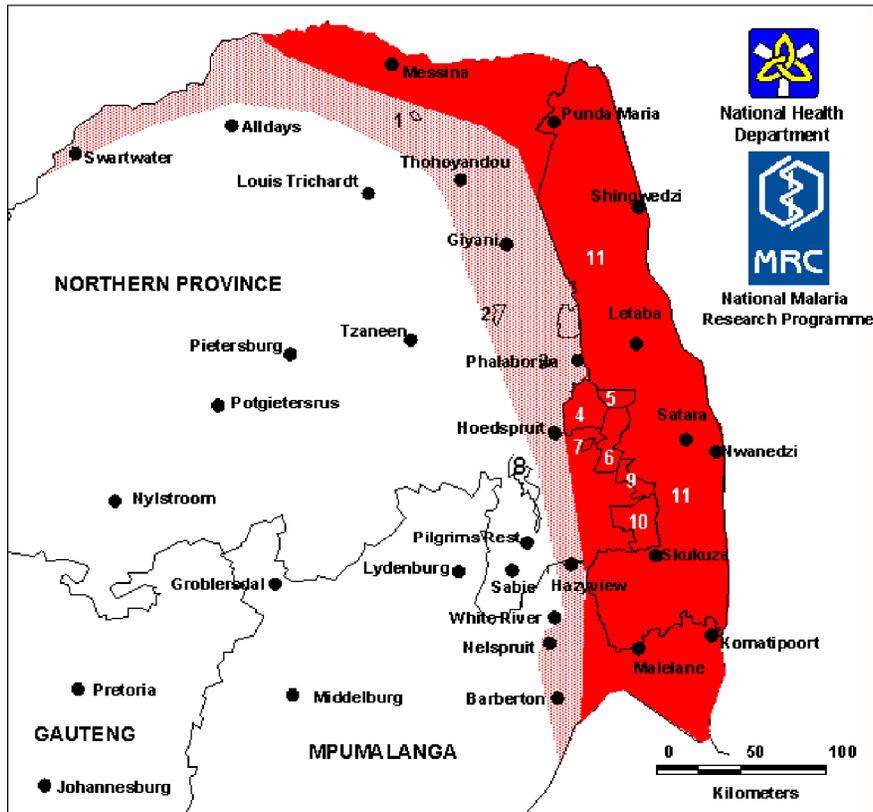
Equipment available

A data projector (for MS Powerpoint presentations), 35 mm slide projector and overhead transparency projector will be available. Files for the data projector must be in Powerpoint format and be e-mailed to the Chairperson before Friday, 13 May 2005. If any additional equipment or software is required, please contact the chairperson as soon as possible.

Malaria

The Kruger National Park and its surroundings are a high-risk area for malaria, especially in the warm and rainy months from October to May. Malaria can be prevented if the necessary precautions are taken:

- Visit your health care provider 4-6 weeks before foreign travel for any necessary vaccinations and a prescription for an antimalarial drug.
- Take your antimalarial drug exactly on schedule without missing doses.



Take preventative measures against mosquito bites throughout the year in ALL RISK areas.

- HIGH RISK**
Prophylactic medicines are recommended from October to May.
- INTERMEDIATE RISK**
Prophylactic medicines are recommended for high risk individuals from October to May.
- LOW RISK**
No prophylactic medicines are recommended.

Congress Address

Dr. Mieke Daneel
NSSA Organizing Committee
ARC - ITSC
Private Bag X11208
1200 NELSPRUIT
SOUTH AFRICA

Tel: +27 13 7537023
Fax: +27 13 7523854
e-mail: mieke@arc.agric.za

TRANSPORT INFORMATION

This form must be completed if you require transport from or to the airport

ARRIVAL AT JOHANNESBURG INTERNATIONAL AIRPORT

[Complete this section if you require transport on arrival from the airport]

Date of arrival: _____ Flight number: _____

Name(s): _____

Time of arrival at Johannesburg International: _____

Cell number (if available): _____.

DEPARTURE FROM JOHANNESBURG INTERNATIONAL AIRPORT

[Complete this section if you require transport to the airport]

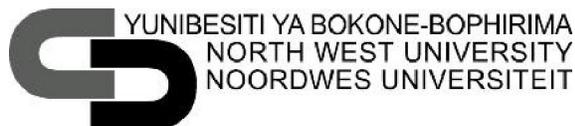
Date of departure: _____ Flight number: _____

Name(s): _____

Time of departure from Johannesburg International: _____

Destination: _____

In case of emergencies, please contact Zaag de Beer (082 600 2243).



THE NEMATOLOGICAL SOCIETY OF SOUTHERN AFRICA
 in collaboration with
 THE NORTH WEST UNIVERSITY
 presents a
 NEMATOLOGY SHORT COURSE
 PUK Campus, Potchefstroom
 27 June – 08 July 2005

Course syllabus

Week 1:

- Ø Introduction to Nematology
- Ø Techniques
- Ø Morphology and systematic
- Ø Morphology and systematic

Week 2:

- Ø Nematode-plant interactions
- Ø Crops
- Ø Control
- Ø Theoretical & Practical examination

§ Presenters and lecturers are experienced nematologists from throughout South Africa.

§ Course fee is R 6000 (excl. V.A.T.) per student and includes accommodation on the campus, three meals per day and refreshments.

§ Course material will be provided and important literature is inclusive.

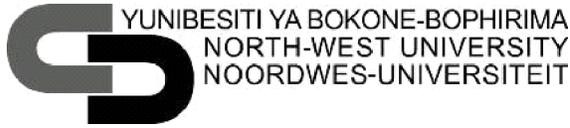
Contacts:

Prof Don Loots, course coordinator
 +27 (0)18 2992374(-2368)
 e-mail: drkgcl@puk.ac.za / plblb@puk.ac.za

Ms Driekie Fourie, course secretary
 +27 (0)18 2996352(-6100)
 e-mail: fouriehd@arc.agric.za
 fax. +27 (0)18 294 7146

Prof Alex Mc Donald, course leader
 +27 (0)18 2996369(-6100)
 e-mail: mcdonalda@arc.agric.za
 fax. +27 (0)18 294 7146

Due to emphasis on close contact with course participants, admission is limited.
 Registration closes on the 17th June 2005.



School for Environmental Sciences and Development
Private Bag X6001
Potchefstroom, 2520, South Africa
drkgcl@puk.ac.za or plblb@puk.ac.za
Tel. +27-18-2992374/ 2992368
Fax. +27 -18 -2992370

REGISTRATION FORM: SHORT COURSE IN NEMATOLOGY 28 JUNE – 08 JULY 2004

Name and Title (Prof./Dr./Mr./Ms.)

Postal address:
.....
.....
.....

Tel. and/or Cell.(Mobile):

E-mail:

Employer:

Position/Occupation:

Highest academic qualification:

Institution and country where acquired:

Course fee (includes course material and costs, accommodation for 12 nights at designated facility, meals and refreshments; excludes travel costs and alternative arrangements) is R6000 per person, excluding V.A.T. Arrangements for payment will be made as soon as this form is completed and returned, for the attention of Prof. G.C. Loots to the above address.

.....
Signed

.....
Date

NEMATOLOGICAL SOCIETY OF SOUTHERN AFRICA GEORGE MARTIN MEMORIAL SCHOLARSHIP

Applications are invited for the "GEORGE MARTIN MEMORIAL SCHOLARSHIP" tenable for the year 2005. The award, to the value of R 2000.00 is open to persons from countries of southern Africa: South Africa, Botswana, Lesotho, Swaziland, Mozambique, Malawi, Zimbabwe and Namibia.

The purpose of the scholarship is to promote nematology in southern Africa, preferably by assisting the successful candidate to attend a recognized course in nematology.

Applicants must be serious about pursuing a career in nematology and about furthering the science of nematology. The successful candidate will be expected to give a paper at the next NSSA symposium and/or report in the Society's newsletter how the funds were used.

A letter of application and a curriculum vitae should be sent before 25 April 2005 to:

Dr Alex Mc Donald
Divisional Manager – Crop Protection
Agricultural Research Council – Grain Crops Institute,
Private Bag X 1251, Potchefstroom, South Africa
Tel: (018) 299 6369 / Fax: (018) 294 7146 (Int: + 27 18)
mcdonalda@arc.agric.za

OR

Dr Driekie Fourie
E-mail address: fouriehd@arc.agric.za
Postal address: ARC – GCI, Private Bag X1251, Potchefstroom, 2520
Fax: +27 18 294 7146
Tel: +27 18 299 6352

Since no applications for this scholarship has been received during 2004, two scholarships (for 2004 and 2005) will be awarded to successful applicants during the 17th NSSA Symposium.

NEMATOLOGICAL SOCIETY OF SOUTHERN AFRICA
NEMATOLOGIESE VERENIGING VAN SUIDELIKE AFRIKA
APPLICATION FOR MEMBERSHIP

I _____
(Name of applicant)

apply for membership of the Nematological Society of Southern Africa.

I am enclosing _____ US \$ for the period 19____ - ____ (RSA member: R 50.00/annum;

Non-RSA member _____ US \$ 25.0/annum)

Please make cheque payable to:

Nematological Society of Southern Africa, and sent to:

Mrs Driekie Fourie Agricultural Research Council – Grain Crops Institute,

Private Bag X 1251, Potchefstroom, South Africa

Tel: (018) 299 6352 / Fax: (018) 294 7146 (Int: + 27 18)

NAME: Prof./Dr/Mrs/Miss _____

ORGANIZATION _____

ADDRESS _____

POSTAL CODE _____

% NO _____ AREA CODE _____ INT. CODE _____

FAX NO _____ E-MAIL _____

DATE OF BIRTH _____

PROFFESIONAL QUALIFICATIONS _____

PRESENT POSITION _____

INTERESTS/ CURRENT RESEARCH / EXTENSION _____

NEMATODE GROUPS _____

OLD MEMBER: Yes / No _____ SINCE _____

NEW MEMBER: Yes / No _____ DATE OF APPLICATION _____

SUSTAINING MEMBER: Yes / No _____

SIGNATURE _____ DATE _____

