Acariology Bulletin
A Newsletter of the Systematic and Applied Acarology Society

Volume 3, Number 4
October 1998
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President’s message

Dear colleagues:

I was delighted to see many of you during the First International Symposium of Systematic and Applied Acarology Society jointly held with the Seventh Chinese National Congress of Acarology during October 11-16, 1998 in Guiyang City, Guizhou Province, China, which was a great success. On behalf of members of SAAS, I thank Prof. Daochao JIIN for hosting and organizing the meetings. The hard work of Dr Xiaoyue Hong in getting sponsorship for meetings and of the local organizing committee are much appreciated.

The preparation of vol. 4 of Systematic and Applied Acarology is on schedule. Please send your manuscripts to H.-Q. Dong or R.-J. Hu as soon as possible for publication in mid-1999 (see page 38).

Zhi-Qiang Zhang

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Acarology and Member News

The First International Symposium of Systematic and Applied Acarology Society was successfully held jointly with the 7th National Conference of Acarology of China in Guiyang city, Guizhou Province, China, Oct. 11-16, 1998. More than 50 acarologists participated the meetings and approximately 60 papers were presented. On the evening of October 13, the executive committee of SAAS held its first meeting. It was presided by Dr. Zhi-Qiang ZHANG of UK, the president of SAAS, and was attended by the members of the committee, Prof. Zhimo ZHAO, Dr. Renjie HU, and Dr. Xiao-Yue HONG. Prof. Longshu LI was organizing another international conference in Beijing; Prof. Y.S. CHOW, Prof. Lairong LIANG, Dr. Cheng-Feng MO, and Dr. Ting-Kui QIN were absent for various reasons. Some leading Chinese acarologists including Profs. Huifu WANG, Weinan WU, Tinghuan WEN, Daochao JIN, Zhimin ZHU and Hongfu ZHOU were invited to attend the meeting. Several issues including the publication and distribution of the SAAS journals and the election of the society officials were discussed. Considering the lower than expected number of participants at the jointly held meetings, it was agreed that the election of the SAAS officials should not be conducted this time. In addition, due to the increase of overseas members, the executive committee decided to increase the number of committee members from 8 to 11. These officials will be elected from society members in China (8), other Asian countries (1), USA (1), and Europe (1). The details for the upcoming election will be announced in latter issues of the Acarology Bulletin. The committee also decided to establish two SAA editorial offices. One will be established at the Department of Environment and Resources Biology, Fudan University, Shanghai, China. The contacting person is Prof. Huqin DONG. The other will be based at the Institute of Arthropodology and Parasitology, George Southern University, Statesboro, Georgia, USA. The contacting person is Dr. Renjie HU. From now on, all manuscripts submitted by members from mainland China, Hong Kong and Taiwan should be sent to Prof. Huqin DONG whereas manuscripts submitted by members from foreign countries should be sent directly to Dr. Renjie HU. The manuscript must be sent to the editorial offices before the deadline for each year in order to be published in that year. The participants greatly appreciated contributions of Prof. Daochao JIN, the vice president of Guizhou University and his associates to the success of the meetings.

Two-spotted spider mite was first recorded on apple in Shandong Province, China in Zhaoyuan city in 1989. The mite has caused damage in orchards in Yantai, Qingdao, and Linyi cities in the province, becoming a very serious pest. (Plant Protection, 24(4): 6-9, 1998).

Tetranychus viennensis Zacher is an important mite species on fruit trees in northern China. It has become a serious

New members

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Plant Quarantine Policy Branch
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ACKNOWLEDGEMENTS

We thank the following members for their financial contributions to SAAS:

Dr. Qinhai FAN

and others to appear in the next issue

Walter, D.E. & Gerson, U. Dasythyreidae, new family, and *Xanthodasythyreas* n.g. (Acari: Prostigmata: Raphignathoidea) from Australia. 189


Qin, T.K. Calipenthalodales, a new genus of Penthalodidae (Acariformes: Eupodoidae) from New Zealand. 221

Mallik, B. & Kumar, M.H. *Swarnanychus*, a new genus of Tenuipalpoidini (Acari: Tetranychidae) from India. 227

Ramaraju, K., Rajasekaran, B. & Mohanasundaram, M. A new *Podapolipus* species (Acari: Podapolipidae) from *Dermestes ater* (Coleoptera: Dermestidae) from Tamil Nadu, India. 231

Nannelli, R., Turchetti, T. & Maresi, G. Corticolous mites (Acari) as potential vectors of *Cryptonecitia parasitica* (Murr.) Barr hypovirulent strains. 237

Lui, Y.H. & Tsai, J.H. Development, survivorship, and reproduction of *Tetranychus tumidus* Banks (Acarina: Tetranychidae) in relation to temperature. 245

Systematic & Applied Acarology Special Publications

No. 1 (December 1997)

Hu, S. Q., Chen, X. W. and Huang, L.S. A new species and a new record of the genus Agistemus from China (Acari: Stigmaeidae). 1

Zhang, Z.-Q. and Saboori, A. Taxonomic notes on larvae of *Willmannella* (Acari: Microtrombidiidae) and description of a new species from Iran. 5

Liang, L.-R and Zhang, Z.-Q. Key to species of the genus Molothrognathus (Prostigmata: Caligonellidae) with description of a new species from Iran. 19

No. 2 (June 1998)

Kim, J.-S., Qin, T.-K. and Lindquist, E. E. Description of *Tarsonomus parauaieti*, a new species of Tarsonomidae (Acari: Heterostigmata) associated with orchard and ornamental plants in Europe, Australia and New Zealand. 1-28

Two young female Chinese acarologists, Prof. Huiqin DONG of Fudan University, Shanghai Academy of Agricultural Sciences, and other units are currently working hard to identify it and find the efficient way to control it.

Two taiwanese SAAS members, Prof. Paul K.C. LO and Dr. Chyi-Chen HO visited mainland China last September. After attending the biological control meeting of cross-strait in Beijing, they visited Nanjing Agricultural University, Jiangsu and Shanghai, and met with Dr. Xiaoyue HONG, Profs. Qianhong WU, Huiqin DONG and Yanyun YANG.

Pref. Yanmou LIN of South China Tropical Crop Research Institute in Hainan Province died last May. He had long conducted research on mites on tropical crops and trees on the island. His main contribution to the acarology was the co-establishment of tropical acarology in China, tropical mite control, and the taxonomy of Tetranychidae and Tuckerellidae.

Guizhou Agricultural College and Guangxi Agricultural College have been emerged with Guizhou University and Guangxi University respectively. Therefore, the addresses of SAAS members at the above two colleges will have some changes. The addresses for Daohao JIN, Xiaolong YANG, Junrui ZHI, Miaoin SHEN are the Institute of Entomology, Guizhou University, Huaxi, Guiyang city, Guizhou 550025, China. The address for Suigai WEI is 382 #, East campus, Guangxi University, Nanning, Guangxi 530005, China.
ACAROLOGY SUMMER PROGRAM
at Ohio State University, August 2 - 20 1999 (first announcement)

For almost 50 years, the Acarology Summer Program has offered intensive workshops focusing on the identification and classification of mites. Workshops are taught by OSU faculty and guest lecturers known as experts on their particular groups.

The 1999 program will offer 5 different workshops:

Introductory Acarology (week 1, August 2 - 7)
Parasitengona workshop (week 1 & 2, August 2 - 13)
Oribatida workshop (week 2, August 9 - 14)
Agricultural Acarology (weeks 2 & 3, August 9 - 20)
Medical-Veterinary Acarology/Tick Week (week 3, August 16 - 20)

For more detailed descriptions of the workshops see below.

REGISTRATION:

Check Course Desired: (SEE DATES ABOVE)
__ Introductory Acarology (1 wk)
__ Parasitengona (2 wk)
__ Oribatida (1 wk)
__ Med.-Vet. Acarol./Tick Week (1 wk)
__ Agricultural Acarology (2 wks)

Status: student __ /non-student __ (information used for fee calculation)
Gender: male __ /female __ (information used for housing assignment)
If you have special requirements, please let us know, and we will try to accommodate.

Send by e-mail, FAX or regular mail. Register early as space is limited!

For more information or to register contact:
Dr. Glen Needham or Dr. Hans Klompen regular mail:
Acarology Laboratory
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Phone: (614) 688-3026 or (614) 292-7180
FAX: (614) 292-1538
e-mail: Needham.1@osu.edu or Klompen.1@osu.edu

COURSE FEES:
* $500 ($400 graduate student rate) per week
* Fee includes double or triple occupancy in an efficiency apartment & course costs. Fees are paid in U.S. funds

parasitic on the turtles, Mauremys japonica, in the Atsumi Peninsula, Aichi Prefecture, Japan. (In Japanese). 47

Kumazawa, H., Saruta, T. & Takada, N. Three human cases of tick bite caused by Ixodes persulcatus at high altitude in Shikoku island, Japan. 51


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Vol. 24, No.2, 1998

Radovsky, F.J. Description of the active stages and distribution of Pellonyssus gorgasi Yunker and Radovsky, 1966 (Acari: Macronyssidae) of hummingbirds, and its apparent use of flowers for host transfer. 99

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Covarrubias, R. Oribatids (Acarina) from Chile: Licnodamaeolus trabei n. gen., n.sp. 157


Fernandez, N & Cleva, R. Contribution to the knowledge of the oribatid fauna from Argentina.

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Journal of the Acarological Society of Japan
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Yabe, T. & Hayashi, F. Amblyomma geoemydae (Acari: Ixodidae) before the workshop unless other arrangements are made.

WORKSHOP DESCRIPTIONS

Introductory Acarology
August 2 - 7: This intensive one-week workshop presents an overview of the identification, systematics, and biology of the major groups of Acari. A second emphasis is techniques (study, collecting, preservation) used in acarology. The course is designed as either a stand alone course or as an introduction for the novice to prepare for the other, more specialized workshop units (Klompen).

Parasitengona
August 2 - 13: This intensive two-week workshop will focus entirely on a single lineage, the Parasitengona. The identification, systematics and biology of the major groups of Acari. A second emphasis is techniques (study, collecting, preservation) used in acarology. The course is designed as either a stand alone course or as an introduction for the novice to prepare for the other, more specialized workshop units (Klompen).

Oribatida
August 9 - 14: This intensive one-week workshop reviews the mites associated with crops, ornamental plants, and stored products with a major emphasis on identification and classification. A secondary emphasis is on ecology and life-history. (Norton).

Agricultural Acarology
August 9 - 20: This intensive two-week workshop reviews the mites associated with crops, ornamental plants, and stored products with a major emphasis on identification and classification. A secondary emphasis is on ecology and life-history. (Norton).

Medical - Veterinary Acarology / tick week
August 16 - 20: The limited version of this workshop offered this year will focus on ticks only. Identification of important forms to the specific level will be stressed in lab. Discussions of tick systematics, morphology, physiology, and epidemiology will be presented. Dr. Burgdorfer will discuss...
the current status of Lyme disease and Ixodes ticks, and spotted fever group rickettsiae. (Burgdorfer, Demaree, Durden, Needham, Robbins).

Due to declining interest, week 2, dealing with mites of medical-veterinary importance (including dust mites), will not be offered this year. It will be offered on an alternating basis, starting next year.

FINANCIAL ASSISTANCE

Limited financial assistance may be available to graduate students or international participants through the D.E. Johnston Memorial Fund or the Hoogstraal Fund. Please contact us for details.

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A Checklist of Chinese Mites and Ticks: SAAS plans to publish this proposed book in 1999 to coincide with the 90th anniversary of the late Prof Jie-Liu Xin. Potential authors who wish to contribute chapters or write articles in memory of Prof Xin should contact editors Profs. Z.-Q. Zhang, L.-R. Liang and T.-H. Wen.

New books


Contents of Acarological Journals

Acarologia
Vol. 38, No. 5
Urhan, R. New species of the genus Prozercon (Plumatozercon) (Acari, Zerconidae) from Turkey. 3
Zhu, Z. Histological observations on Borrelia burgdorferi growth in naturally infected female Ixodes ricinus. 11
Kazmierski, A. A review of the genus Proctotydaeus (Actinedida: Tydeidae: Pronematinae). 33
Mitchell, R. The behavior of Arrenurus larvae (Acari: Hydrachnidae) parasitizing Diptera. 49

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Ramani, N. and Haq, M.A. Oribatid mites from coconut palms. 4. A new species of Siculobata (Acari: Oribatei) from Kerala, India. 85

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Parasitengona
August 2 - 13: This intensive two-week workshop will focus entirely on a single lineage, the Parasitengona. The Parasitengona are a very diverse group of prostigmatid mites, including chiggers, velvet mites, and water mites. As in all Summer Program courses, the main emphasis is on identification and systematics, but unlike the other workshops, this course will have a strong secondary emphasis on ecology and life-history. (Norton).

Agricultural Acarology
August 9 - 20: This intensive two-week workshop reviews the mites associated with crops, ornamental plants, and stored products with a major emphasis on identification and classification. A secondary emphasis is on ecology and control. Control aspects include the use of mites in biocontrol. Specifically discussed groups will be the Phytoseiidae (Welbourn, de Moraes, McMurtry), Eriophyoidae (Amrine), Tetranychidae (Welbourn, Wrensch), Parasitengona, Taronemida and miscellaneous Prostigmata (Welbourn) and stored product mites (OConnor).

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Oribatida
August 9 -14: This intensive one-week workshop will review one of the largest radiations in the Acari, the Oribatida. Given their status as a major component of the soil invertebrate fauna, Oribatida will be of particular interest to soil ecologists. The main emphasis is on identification and systematics of both adults and immatures, but this course will have a strong secondary emphasis on ecology and life-history. (Norton).
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1999 (first announcement)

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workshops focusing on the identification and classification of mites. Workshops
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(weeks 2 & 3, August 9 - 20)
Medical-Veterinary Acarology/Tick Week
(week 3, August 16 - 20)

For more detailed descriptions of the
workshops see below.

REGISTRATION:

Name ___________________________Address ... _________________________Phone___________________________Fax_____________________________E-mail___________________________

Check Course Desired: (SEE DATES
ABOVE)
___Introductory Acarology (1 wk)
___Parasitengona (2 wk)
___Oribatida (1 wk)
___Med.-Vet. Acarol/Tick Week (1 wk)
___Agricultural Acarology (2 wks)

Status: student ___ /non-student ___
(information used for fee calculation)
Gender: male ___ /female ___ (information
used for housing assignment)
If you have special requirements, please
let us know, and we will try to accom-
modate.

Send by e-mail, FAX or regular mail.
Register early as space is limited!

For more information or to register
contact:
Dr. Glen Needham or Dr. Hans Klompen
regular mail:
Acarology Laboratory
The Ohio State University
484 W. 12th Avenue
Columbus, Ohio 43210 USA
Phone: (614) 688-3026 or (614) 292-
7180
FAX: (614) 292-1538
e-mail: Needham.1@osu.edu or
Kломpen.1@osu.edu

COURSE FEES:
* $500 ($400 graduate student rate) per
week
* Fee includes double or triple
occupancy in an efficiency apartment &
course costs. Fees are paid in U.S. funds

parasitic on the turtles, *Mauremys
japonica*, in the Atsumi Peninsula, Aichi
Prefecture, Japan. (In Japanese). 47

*Kumazawa, H., Saruta, T. &
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altitude in Shikoku island, Japan. 51

Proceedings of 6th Annual Meeting of the
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*Barayartogtokh, B.* A new species
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Aculus tetanothrix (Nalepa) has been reported in Gansu, Hebei and Xinjiang in China. It damages Salix trees and induces galls on leaves of the host plants. It can complete 10 to 15 generations a year and overwinters as adults in buds, barks and crevices of host plants. Its natural enemies include Stethorus punctillum, Adalia bipunctata (L.) and Scolothrios takahashii Priesner. (Plant Protection, 24(3):32-33, 1998).

An eriophyoid mite is found to damage tomato plants in greenhouses in Shanghai. Experts from Fudan University, Shanghai Academy of Agricultural Sciences, and other units are currently working hard to identify it and find the efficient way to control it.

Two young female Chinese acarologists, Prof. Huiqin DONG of Fudan University, Shanghai, and Ms. Yanxuan ZHANG of Fujian Academy of Agricultural Sciences, Fujian Province, received funding from Australian aid agency (through the efforts of Dr. Bruce Haliday) for the 3rd international congress of tropical acarology. 

Guizhou Agricultural College and Guangxi Agricultural College have been emerged with Guizhou University and Guangxi University respectively. Therefore, the addresses of SAAS members at the above two colleges will have some changes. The addresses for Daohao JIN, Xiaolong YANG, Junrui ZHI, Miaoqin SHEN are the Institute of Entomology, Guizhou University, Huaxi, Guiyang city, Guizhou 550025, China. The address for Suigai WEI is 382 #, East campus, Guangxi University, Nanning, Guangxi 530005, China.

Two Taiwanese SAAS members, Prof. Paul K.C. LO and Dr. Chyi-Chen HO visited mainland China last September. After attending the biological control meeting of cross-straits in Beijing, they visited Nanjing Agricultural University, Jiangsu and Shanghai, and met with Dr. Xiaoyue HONG, Profs. Qianhong WU, Huiqin DONG and Yanyun YANG.

Pref. Yanmou LIN of South China Tropical Crop Research Institute in Hainan Province died last May. He had long conducted research on mites on tropical crops and trees on the island. His main contribution to the acarology was the co-establishment of tropical acarology in China, tropical mite control, and the taxonomy of Tetranychidae and Tuckerellidae.
The First International Symposium of Systematic and Applied Acarology Society was successfully held jointly with the 7th National Conference of Acarology of China in Guiyang city, Guizhou Province, China, Oct. 11-16, 1998. More than 50 acarologists participated the meetings and approximately 60 papers were presented. On the evening of October 13, the executive committee of SAAS held its first meeting. It was presided by Dr. Zhi-Qiang ZHANG of UK, the president of SAAS, and was attended by the members of the committee, Prof. Zhimo ZHAO, Dr. Renjie HU, and Dr. Xiao-Yue HONG. Prof. Longshu LI was organizing another international conference in Beijing; Prof. Y.S. CHOW, Prof. Lairomg LIANG, Dr. Cheng-Feng MO, and Dr. Ting-Kui QIN were absent for various reasons. Some leading Chinese acarologists including Profs. Huifu WANG, Weinan WU, Tinghuan WEN, Daochao JIN, Zhimin ZHU and Hongfu ZHOU were invited to attend the meeting. Several issues including the publication and distribution of the SAAS journals and the election of the society officials were discussed. Considering the lower than expected number of participants at the jointly held meetings, it was agreed that the election of the SAAS officials should not be conducted this time. In addition, due to the increase of overseas members, the executive committee decided to increase the number of committee members from 8 to 11. These officials will be elected from society members in China (8), other Asian countries (1), USA (1), and Europe (1). The details for the upcoming election will be announced in latter issues of the Acarology Bulletin. The committee also decided to establish two SAA editorial offices. One will be established at the Department of Environment and Resources Biology, Fudan University, Shanghai, China. The contacting person is Prof. Huqin DONG. The other will be based at the Institute of Arthropodology and Parasitology, George Southern University, Statesboro, Georgia, USA. The contacting person is Dr. Renjie HU. From now on, all manuscripts submitted by members from mainland China, Hong Kong and Taiwan should be sent to Prof. Huqin DONG whereas manuscripts submitted by members from foreign countries should be sent directly to Dr. Renjie HU. The manuscript must be sent to the editorial offices before the deadline for each year in order to be published in that year. The participants greatly appreciated contributions of Prof. Daochao JIN, the vice president of Guizhou University and his associates to the success of the meetings.

Two-spotted spider mite was first recorded on apple in Shandong Province, China in Zhaoyuan city in 1989. The mite has caused damage in orchards in Yantai, Qingdao, and Linyi cities in the province, becoming a very serious pest. (Plant Protection, 24(4): 6-9, 1998).

Tetranychus viennensis Zacher is an important mite species on fruit trees in northern China. It has become a serious New members

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We thank the following members for their financial contributions to SAAS:

Dr. Qinhai FAN
and others to appear in the next issue
Application for membership

Systematic and Applied Acarology Society (SAAS) aims at promoting the development of acarology in China and fostering cooperation among acarologists in China and other parts of the world. Anyone interested in the study of mites and ticks is welcome to join SAAS. There is no membership fee. A voluntary contribution of £6/$10 is welcome. Members receive free of charge SAAS newsletter (Acarology Bulletin) and can publish free of charge in the journal Systematic and Applied Acarology (SAA). Members are advised to subscribe to SAA.

Name: ___________________________ Title (Prof / Dr / Mr / Mrs / Miss / Ms) ___________________________
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Research Interest: __________________________________________________________

Please send the completed application form to:
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London SW7 5BD
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or

Dr. Xiaoyue Hong, Secretary SAAS
Dept. of Plant Protection
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President’s message
Dear colleagues:

I was delighted to see many of you during the First International Symposium of Systematic and Applied Acarology Society jointly held with the Seventh Chinese National Congress of Acarology during October 11-16, 1998 in Guiyang City, Guizhou Province, China, which was a great success. On behalf of members of SAAS, I thank Prof. Daochao JIN for hosting and organising the meetings. The hard work of Dr Xiaoyue Hong in getting sponsorship for meetings and of the local organizing committee are much appreciated.

The preparation of vol. 4 of Systematic and Applied Acarology is on schedule. Please send your manuscripts to H.-Q. Dong or R.-J. Hu as soon as possible for publication in mid-1999 (see page 38).

Zhi-Qiang Zhang

SAAS Officers & Executive Committee

President: Zhi-Qiang Zhang (UK)
Secretary: Xiaoyue Hong (China)
Treasurer: Ting-Kui Qin (Australia)
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- Y. S. Chow (Taiwan)
- Chengfeng Mo (Hong Kong)
- Zhimo Zhao (China)
- Long-Shu Li (China)
- Renjie Hu (USA)

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