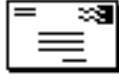


Acarology Bulletin

A Newsletter of the SYSTEMATIC AND APPLIED ACAROLGY SOCIETY

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



In this issue.....

- 37 President's Message
- 38 Acarology and member news
- 38 1st Symposium of SAAS and 7th Nat. Cong. Ent. Soc. China
- 38 Mite research in China
- 39 Xth Internat. Cong. Acarol.
- 40 Acarol. Summer Prog. 1999
- 42 Checklist of Chinese Mites
- 43 Contents of Journals
- 43 Acarologia
- 44 J. Acarol. Soc. Japan
- 45 Internat. J. Acarol.
- 46 Syst. Appl. Acarol. Spec. Publ.
- 47 New members; change of address
- 47 Acknowledgement
- 48 Application form for SAAS

SAAS Officers & Executive Committee	
President	Zhi-Qiang Zhang (UK)
Secretary	Xiaoyue Hong (China)
Treasurer	Ting-Kui Qin (Australia)
Executive Committee Members	Lairong Liang (China)
	Y. S. Chow (Taiwan)
	Chengfeng Mo (Hong Kong)
	Zhimo Zhao (China)
	Long-Shu Li (China)
	Renjie Hu (USA)

Acarology Bulletin Editors

Editor:
Dr. Renjie Hu (USA)

Assistant editors:
Dr. Xiaoyue Hong (China)
Dr. Ting-Kui Qin (New Zealand)
Dr. Zhi-Qiang Zhang (UK)

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 in 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 later 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. Huiqin 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. Huiqin 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

pest in Ningxia in northwestern China in recent years partly due to the increased resistance of the mite to some acaricides. (Plant Protection, 24(5): 26-27, 1998).

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. In Kurle area, Xinjiang, it has 13 to 15 generations a year and overwinters as adults in buds, barks and crevices of host plants. Its natural enemies include *Stethorus punctillum* Weise, *Adalia bipunctata* (L.) and *Scolothrips 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) to attend the 10th International Congress of Acarology, which was held from 5 to 10 July 1998 in Canberra, Australia. In addition, several other Chinese acarologists including Profs. Weinan WU (Guangdong Entomological Institute), Daochao JIN (Guizhou University), Siqin HU (Nanchang University) and Lichen YU (Hebei Changli

Fruit Tree Research Institute) also attended the Congress.

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 Daochao 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.

Prof. **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.

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:

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 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
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 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

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 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. The latter will include larval host- and post-larval habitat-specificity, biogeography, and behavior. Week one will focus on the terrestrial Parasitengona, superfamilies Calyptostomatoidea, Erythraeoidea, and Trombidioidea. Week two will concentrate on a single lineage, the Hydracarina or water mites. Collection and rearing techniques will be demonstrated. Lecturers include Roger Mitchell, Bruce Smith, Ian Smith, Cal Welbourn, and Andreas Wohltmann.

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).

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), Eriophyoidea (Amrine), Tetranychoida (Welbourn, Wrensch), Parasitengona, Tarsonemida and miscellaneous Prostigmata (Welbourn) and stored product mites (OConnor).

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.

Dr. Hans Klompen
Ohio State University
Museum of Biological Diversity
1315 Kinnear Rd.
Columbus, OH 43212-1192, USA
Tel: (614) 292-7180
FAX: (614) 292-7774
E-mail: klompen.1@osu.edu

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

Bolland, H.R., Gutierrez, J. & Flechtmann (1998) **World Catalogue of the Spider Mite Family (Acari: Tetranychidae)**. Brill: Leiden, Boston, Koln. ISBN 90-04-11087-9. Hardcover 392 pp.

Hunt, G.S., Norton, R. A., Kelly, J.P.H., Colloff, M.J. & Lindsay, S.M. (1998) **Oribatid Mites: An Interactive Glossary to Oribatid mites**. And Hunt, G.S., Colloff, M.J., Dallwitz, M. & Walter, D.E. (1998) **An Interactive Key to Oribatid Mites of Australia**. CSIRO, Collingwood, Australia. CD-ROM and manual.

Harvey, M. (1998) **The Australian Water Mites: A Guide to Families and Genera**. Monographs on Invertebrate Taxonomy Vol. 4. CSIRO, Collingwood, Australia. ISBN 0643063013. Color illust. hardcover, 168 pp.

Halliday, B. (1998) **Mites of Australia: A Checklist and Bibliography**. Monographs on Invertebrate Taxonomy Vol. 5. CSIRO, Collingwood, Australia. ISBN 0643063706. hardcover 328 pp.

Colloff, M.J. & Halliday, B. (1998) **Oribatid Mites: A Catalogue of Australian Genera and Species**. Monographs on Invertebrate Taxonomy Vol. 6. CSIRO, Collingwood, Australia. ISBN 0643063714. illust. hardcover 230 pp.

Preston, P.M. & Yin Hong (1997) **Proceedings of the European Union International Symposium on ticks and tick-borne diseases**. Tropical Animal Health and Production (1997) 27 (4 supplement). 144 pp.

Xin, J.-L., Lu, J.-Q. & Zhang, Z.-Q. (1998) **Predatory Mites: Their Biology and Roles in Biological Control** (in Chinese with English abstract). Systematic and Applied Acarology, London. Papercover 187 pp. ISBN 0 9534144 0 X

Contents of Acarological Journals

Acarologia

Vol. 38, No. 5

Urhan, R. New species of the genus *Prozercon* (*Plumatzercon*) (Acari, Zerconidae) from Turkey. 3

Zhu, Z. Histological observations on *Borrelia burgdorferi* growth in naturally infected female *Ixodes ricinus*. 11

Oscar-Jimenez, J.J., Estrada-Pena, A. & Lucient-Curdi, J. Ticks (Acarina: Ixodidae) of wild birds in the Ebro Middle Basin (North-east Spain). 23

Kazmierski, A. A review of the genus *Proctotydaeus* (Actinedida: Tydeidae: Pronematinae). 33

Mitchell, R. The behavior of *Arrenurus* larvae (Acari: Hydrachnidae) parasitizing Diptera. 49

Haiyuan, K. [Kuang, H.-Y.] A new genus and four new species of the subfamily Phyllocoptinae (Acari: Eriophyoidea) from the People's Republic of China. 57

Domes, R. A new species of the genus *Rhinophytoptus* Liro (Phyllocoptinae: Eriophyoidea) on *Prunus avium* L., *P. Cerasus* L., and *P. spinosa* L. 63

Demes, R. A new species of the genus *Anthoceptes* (Phyllocoptinae: Eriophyoidea) on *Juglans regia* L. 69

Subias, L.S. and Arillo, A. *Foraminoppia*, a new genus of oppiid mite from southern Spain (Oppiidae, Oxyoppiinae). 73

Iturrondobeita, J.C., Salona, M.I., Andres, C. and Caballero, A. I. *Ctenobella apatomorpha* n. sp. (Acari, Oribatida, Ctenobelbidae) from Iderian Peninsula. 79

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

Vol. 38, No. 6

Krantz, G.W. Observations on five rarely collected genera of Macrochelidae (Acari: Mesostigmata) associated with insects. 95

Lundqvist, L. Phoretic Gamasina (Acari) from southern Sweden: taxonomy, host preference and seasonality. 111

Makarova, O.L. A new eviphidid mite genus (Parasitiformes: Mesostigmata: Eviphididae) associated with the dung beetle *Scarabaeus transcaspicus* Stofla (Coleoptera, Scarabaeidae) in Turkmenistan. 115

Zhu, Z. *Borrelia burgdorferi* in replete nymphal *Ixodes ricinus*: a localization study using light and electron microscopy. 123

Boczek, J. & Chandrapatya, A. Studies on eriophyoid mites (Acari: Eriophyoidea). XXII. 135

Haiyuan, K. (Kuang, H.-Y.). One new genus and three new species of the family Diptilmiopidae (Acari: Eriophyoidea) from the People's Republic of China. 143

Perez-Inigo, C. & Sarasola, M. Soil oribatid mites (Acari: Oribatei) from Uruguay (II). Some species from the Lake Merin Basin. 149

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

Martinez, P.A. and Palacios-Vargas, G. A new species of *Phylloribatula* Balogh & Mahunka (Acari: Oribatei: Fenichelidae) from Argentina. 165

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

Nacunansella diminuta n.gen., n.sp. 173

Gordeeva, E., Niemi, R. & Petrova-Nikitina, A. D. A new genus and species, *Tauroplophora aureonatata*, from the Crimea, Ukraine, and a new species, *Cryptoplophora asiatica*, from Turkmenistan (Acari, Oribatida, Protoplophoridae). 185

Journal of the Acarological Society of Japan
Vol.7, No.1, 1998

Nagahori, M. Parasitic mites and ticks of birds. (In Japanese). 1

Hirauchi, Y. Two new species of the genus *Li acarus* from Mt. Tateyama, central Japan (Acari: Oribatida). 13

Ohtaki, N. & Kawakami, Y. Reports on questionnaire for mites to the patients of dermatological clinic and healthy persons. (In Japanese). 23

Takaku, G. Descriptions of immature stages and male of *Macrocheles hallidary* Walter and Krantz, 1986 (Acari: Macrochelidae). 29

Nakajima, S., Adachi, M. & Furui, S. Seasonal occurrences of larval trombicuid mites found on wild rodents in Nodagawa River basin, Kyoto Prefecture. (In Japanese). 39

Yabe, T. & Hayashi, F. *Amblyomma geoemydae* (Acari: Ixodidae)

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

Proceedings of 6th Annual Meeting of the Acarological Society of Japan (In Japanese). 55

International Journal of Acarology
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

Brown, W.A. Three new species of chiggers of the genera *Cheladonta*, *Gahrlipeia* and *Walchiella* (Acari: Trombiculidae) from rodent hosts from the Philippines. 107

Flechtmann, C.H.W. Mite (Arthropoda: Acari) associates of palms (Arecaceae) in Brazil. IV. Description of two new species in the family Eriophyidae. 113

Navia, D. & Flechtmann, C.H.W. Two new species of eriophyid mites (Acari: Eriophyidae) from *Sclerolobium paniculatum* Vog. (Caesalpinaceae) from Brazil. 119

Barayartogtokh, B. A new species of oribatid mite (Acari: Banksinomidae) from Mongolia. 125

Cramer, C. & Cook, D.R. Description of a new subgenus and species of *Recifella* Viets and a new species of *Corticacarus* (Acari: Hydracarina) from Mexico. 131

Conroy, J.C. & Bilyj, B. Water mites from Canada, with description of a new species, *Atractides (Atractides) ontarioensis* (Acari: Hygrobatidae). 137

Yoder, J.A., Atwood, A.D. & Stevens, B.W. Attraction to sequalene by ticks (Acari: Ixodidae): First demonstration of a host-derived attractant. 143

Dossa, S.C., Essuman, S. & Kaaya, G.P. Characterization of *Amblyomma variegatum* tick saliva and salivary gland antigens inducing anti-tick immunity in boran cattle. 149

Sebitosi, E.N.K., Kaaya, G.P., Young, A.S. & Agbede, R.I.S. Lectins in the brown ear tick, *Rhipicephalus appendiculatus*: Detection and partial characterization. 159

Flechtmann, C.H.W. & Navia, D. First record of eriophyid mites (Acari) from Pinaceae in Brazil. 167

Vol. 24, No. 3

Rochoa, R. and Oconnor, B.M.

Two new species of the genus *Excelsotarsonemus* (Acari: Tarsonemidae). 179

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

Tuegel, M.A. & Wrenn, W.J. Sexual dimorphism in morphology and development of the pest chigger, *Eutrombicula cinnabaris* (Acari: Trombiculidae). 199

Fain, A. Description of mites (Acari) phoretic on Phoridae (Insecta: Diptera) with description of four new species of the genus *Uroseius* Berlese (Parasitiformes, Uropodina, Polyaspididae). 213

Qin, T.K. *Callipenthalodes*, a new genus of Penthalodidae (Acariformes: Eupodoidea) 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 *Cryphonectria 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 *Tarsonemus parawaitei*, a new species of Tarsonemidae (Acari: Heterostigmata) associated with orchard and ornamental plants in Europe, Australia and New Zealand. 1-28

New members

Chen, Wen-Long
 Department of Landscape &
 Environmental Science
 Shanghai Agricultural College
 2678 Qixin Road
 Shanghai 201101
 China

Iraola Calvo, Victor M.
 Department of Zoology & Ecology
 Faculty of Sciences
 University of Navarra
 Apdo. 177 E-31080 Pamplona
 Spain

McAloon, F. Michael
 Department of Biology
 Georgia Southern University
 Statesboro, GA 30460-8042
 USA

Morales-Malacara, Juan B.
 Universidad Nacional Autonoma De Mexico,
 Lab De Acarologia
 Facultad de Ciencias
 COYOacan DF 04510
 Mexico

Neitz, A.W. H.
 Department of Biochemistry
 University of Pretoria
 Pretoria, Pretoria
 South Africa 0002

OConnor, Barry M.
 Museum of Zoology
 University of Michigan
 Ann Arbor, MI 48109-1079
 USA

Salem, Saad
 Economic Entomology & Agricultural

Zoology Dept.
 Faculty of Agriculture
 Menoufia University
 Shebin EL-Kom
 Egypt

Salmane, Ineta
 Institute of Biology
 University of Latvia
 Meira cila 3
 Salaspils, LV-2169
 Latvia

Change of address:

Ali, Omran
 Department of Plant Protection
 Faculty of Agriculture
 University of Omar Al-Mukhtar
 P.O. Box 919, Al-Baida
 Libya

QIN, Ting-Kui
 Australian Quarantine
 and Inspection Service
 Plant Quarantine Policy Branch
 GPO Box 858
 Canberra, ACT 2601
 Australia

Yao, Hongren
 Anatomy and Cell Biology
 University of Michigan
 Medical School
 Ann Arbor, MI 48109
 USA

ACKNOWLEDGEMENTS

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

Dr. Qin Hai FAN
 and others to appear in the next issue

