

Acarology Bulletin

www.nhm.ac.uk/hosted_sites/acarology/saas/ab.html

A Newsletter of the **SYSTEMATIC AND APPLIED ACAROLOGY SOCIETY**

SAAS Officers & Executive Committee for 2000-2003

President	Zhi-Qiang Zhang <i>Auckland, New Zealand</i>
Secretary	Xiaoyue Hong <i>Nanjing, China</i>
Treasurer	Ting-Kui Qin <i>Canberra, Australia</i>
Executive Committee Members	Anne S. Baker, <i>UK</i>
	Huiqin Dong, <i>China</i>
	Qing-Hai Fan, <i>China</i>
	C.H.W. Flechtmann, <i>Brazil</i>
	Uri Gerson, <i>Israel</i>
	Tetsuo Gotoh, <i>Japan</i>
	Xianguo Guo, <i>China</i>
	Chyi-Chen Ho, <i>Taiwan</i>
	Renjie Hu, <i>USA</i>
	Daochao Jin, <i>China</i>
	Lairong Liang, <i>China</i>
	Jingze Liu, <i>China</i>
	Tinghuan Wen, <i>China</i>
	Bin Xia, <i>China</i>
	Jintong Zhang, <i>China</i>
	Zhimo Zhao, <i>China</i>



In this issue.....

38	News
40	Acarological E-reprint Library
41	New book notice
42	Contents of Journals
42	Internat. J. Acarol.
43	Exp. App. Acarol.
45	J. Jpn. Acarol. Soc.
46	Syst. Appl. Acarol. Spec. Publ.
46	New members
47	SAASP Information for authors
48	SAAS member application form

Acarology Bulletin Editors

Editor:
Dr. Renjie Hu (USA)

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

News

Joseph A. Camin Fellowship

(sponsored by the Entomological Foundation): This award is intended to support graduate students interested in research on the systematics of mites and ticks. The fellowship will assist students at the graduate level to attend the Acarology Summer Program at Ohio State University or an equivalent institution where they can obtain training in the systematics of acarines. The award is made annually and the value will depend on the interest earned by the endowment.

Eligibility:

All graduate students who are members of the Entomological Society of America (ESA) or the Acarological Society of America (ASA) are eligible to apply for this fellowship.

Award procedures:

An application must contain the following information:

1. Name, address, telephone number, and e-mail address of the applicant
2. Description of the applicants academic studies including plans for the coming year
3. Current official transcript of college grades (may be sent separately)
4. Brief statement of the applicants research interest and goals in acarology
5. A letter of recommendation from the applicants academic advisor (sent separately)

Application procedures:

All award applications shall be submitted as paper or electronic documents to:

ASA selection committee, c/o Dr. **Hans Klompen**, Ohio State University, Museum of Biological Diversity, 1315 Kinnear Rd., Columbus, OH 43212-1192 (e-mail: klompen.1@osu.edu).

Application packets assembled will include the information stated under Award Procedures. Questions regarding the guidelines for the award should be directed to Entomological Foundation, 301-731-4535, ext. 3029.

Deadline:

The deadline for awards applicable to the 2002 Acarology Summer Program is November 1, 2001. The deadline for future awards will be September 1, 2001. Winners will be announced at the annual meeting of the Acarological Society of America in December.

Acarology Informal Conference Submitted Papers

December 9, 2001

8:00 a.m.

*Designates speaker.

8:00: **Population genetics of the tick *Ixodes scapularis* utilizing microsatellites.**

A. West, T. Schwartz, and *D. Norris

8:12: **Test of the phylogenetic utilities of two protein-encoding genes, Acetylcholinesterase (AChE) and RNA Polymerase II (POL II) in hard ticks.**

*Q. Q. Fang, J. E. Keirans, L. A. Durden, and T. R. Mixon

8:24: **Distribution and abundance of the Rocky Mountain wood tick,**

***Dermacentor andersoni*, in the United States.**

*A. James, J. Freier, J. E. Keirans, L. A. Durden, J. Schlater, and J. Mertins

8:36: **Importance of chlorine placement in the role of 2, 6-dichlorophenol as a sex pheromone (Acari: Ixodidae).** *C.

I. Sanders, W. J. Burke, P. E. Hanson,
and J. A. Yoder

8:48: **Genetic diversity of the Gulf Coast tick, *Amblyomma maculatum* Koch, a potential vector of heartwater.** *H. R. Williams, P. D. Teel, O. F. Strey and C. J. Coates (Student competition)

9:00: **Evidence for host plant preference in a predacious mite *Iphiseiodes quadripilis* (Acari: Phytoseiidae).** *R. T. Villanueva and C. C. Childers (Student competition)

9:12: **A molecular ladder assay designed using mitochondrial 12S rRNA sequences can identify six commercially available phytoseiids.** *A. Jeyaprasasii and M. A. Hoy

9:24: **BREAK**

9:39: **Feeding behavior of Tydeidae (Acari: Prostigmata) on Florida citrus.** *H. Aguilar and C. C. Childers

9:51: **Comparative life table data of three *Agistemus* species (Acari: Stigmaeidae) under controlled laboratory conditions.** *A. Goldarazena, C. C. Childers, H. Kutuk and H. Aguilar

10:03: **Overwintering and comparative sampling of *Neoseiulus fallacis* on ornamental nursery plants.** *P. D. Pratt and B. A. Croft

10:15: **Does Bt endotoxin expression influence mite community structure on decomposing corn residues?** *E. R. Zaborski

10:27: **Will the real *Zwickyia* (Astigmata):**

Histiostomatidae) please stand up: Biodiversity of mites inhabiting the pitchers of *Nepenthes*. *N. J. Fashing

10:39: **Acaroid mites (Acari: Astigmata) associated with termites (Isoptera).** *B. M. OConnor

10:51: **Control practices of *Varroa jacobsoni* Oud. using *Apistan* with special reference to its effect on worker longevity and its residues in wax and honey.** *M. A. Ali, M. K. Eshba, A. R. Hassan and A. A. El-Din

LUNCH

**Acarology Formal Conference
Acarine Semiochemicals
Aphrodisiacs
for the Third Millennium
December 9, 2001**

Organized by Daniel E. Sonenshine

The purpose of this conference is bring together new discoveries in semiochemicals that regulate behavior in diverse acarines and the possible use of these new findings for tick and mite control.

Moderator: **Daniel E. Sonenshine** (Department of Biological Sciences, Old Dominion University, Norfolk, Virginia 23529)

12:45: **Pheromones of the deer tick, *Ixodes scapularis* and its use in tick control.** Sandra A. Allan (Department of Pathobiology, College of Veterinary Medicine, University of Florida, Gainesville, Florida 32611) and Daniel E. Sonenshine (Department of Biological

Sciences, Old Dominion University,
Norfolk, Virginia 23529)

1:15: **Squalene and related defense chemicals (allomones) in ticks.** Jay Yoder (Biology Department, 1101 W. College Ave, Jacksonville, IL 62650 2299)

1:45: **Behaviorial and electrophysiological aspects of the role of semiochemicals in ticks, including host finding, host acceptance and intraspecific behaviors.** Patrick Guerin (Universite de Neuchatel, CH-2007 (Suisse), Rue de Emile-Argand 11 Case Postale 2, Neuchatel, Switzerland)

2:15: **BREAK**

Moderator: **Robert S. Lane** (Entomology Program, Department of Environmental Science, Policy, and Management, 201 Wellman, University of California, Berkeley, California 94720)

2:30: **Biosynthesis of pheromones.** Gary Blomquist (Department of Biochemistry, University of Nevada, Mail Stop 330, Reno, Nevada 89557-0014)

3:00: ***Varroa* attractants and confusants: Push, pull and potential for control.** Mark Winston (Department of Biological Sciences, Centre for Environmental Biology, 8888 University Drive, Burnaby, British Columbia, Canada V5A 1S6)

3:30: **The role of herbivore induced plant volatiles in the searching behavior of plant-inhabiting predatory mites** Mark Sabelis (Institute for Biodiversity and Ecosystem Dynamics,

Population Biology, University of Amsterdam, P. O. 94084, 1090 GB Amsterdam, The Netherlands)

4:00: **Business Meeting**

Acarological e-reprint library

The Acarological E-reprint library is an online library of e-reprints of acarological papers made available by the authors/publishers and hosted by Systematic & Applied Acarology Society (SAAS). All papers are listed by authors alphabetically and the full text of each paper in pdf (portable document format) is linked by an accession number. You need Adobe Acrobat Reader to read Portable Document Format (PDF) files of papers in this library. Adobe(r) Acrobat(r) Reader(tm) is free, and freely distributable. You can download it from www.adobe.com if you do not have it on your computer.

All e-reprints are available for free online access 24 hours a day and 7 days a week. Please note the authors or journals or publishers are holders of the copyright of the papers held in this library. The unfair use of these papers (e.g. making multiple copies for sale) is not allowed. If in doubt, the readers are advised to consult the copyright holder(s).

The Acarology E-Reprint Library was established by its facilitator/editor Zhi-Qiang Zhang (ZhangZ@landcare.cri.nz) in January 2001 and it is maintained at the Systematic & Applied Acarology Society website:

http://www.nhm.ac.uk/hosted_sites/acarology/saas/e-library/

It is hoped that this e-library will facilitate the exchange of information among acarologists in different parts of the world, and especially will benefit acarologists in developing countries where subscriptions of many high-priced journals are nearly impossible.

If you want e-reprints of your papers made online here, please make sure that you have the right to put your paper online and then send them to the editor Zhi-Qiang Zhang by e-mail with the e-reprint in pdf (portable document format) along with a full reference in the format used by Systematic & Applied Acarology Society publications. If you do not use e-mail, you may also send a disk with files by regular mails to the editor using the address listed below. Inclusion of your e-reprints in the Library is free.

Parasitic tick and mites on sea snakes in Japan were reported by **Fumio Hayashi** and **Gen Masunaga** recently (Journal of the Acarological Society of Japan, 2001, 10(1): 1-17). A tick, *Amblyomma nitidum*, and three species of trombiculid mites were found from sea snakes in the Ryukyu Islands of southern Japan. The authors found that 62.5% of hosts were infested by a single mite species, and 37.5% by two or three species, and the tick and mites had clumped distribution patterns.

A new genus of pygmephorid mite belonging to the subfamily Neopygmephorinae was established by **Kazuyoshi Kurosa**. The genus

Rhynopygmephorus (Type species: *Rhynopygmephorus rhopalomelissae*) was found attached to the body of the halictid bees, *Rhopalomelissa yasumatsui* Hirashima and *Sphecodes scabricollis* Wesmael (Journal of the Acarological Society of Japan, 2001, 10(1): 27-35).

A famous Japanese acarologist **Norizumi Shinkaji** died on April 28, 2001. He was a professor at the Faculty of Horticulture, Chiba University before he retired in 1996. He got his PhD from the University of Kyushu on the ecological study on *Panonychus citri* (McGregor). He is famous for his agricultural mite research in Japan and other Asian countries. The book Principles of Plant Acarology written by Professors **Ehara** and **Shinkaji** in 1996 is a very useful reference book for agricultural acarology students (see book reviews by Zhang, Z.-Q., Acarology Bulletin, 1997, 2 (3): 31-32; and Hong, X.Y., Acarology Bulletin, 2001, 6(2): 19-21).

New Book Notice

Acarology: Proceedings of the 10th International Congress

Editors: RB Halliday, DE Walter, H Proctor, RA Norton & M Colloff
Published: July 2001

Publisher: CSIRO PUBLISHING

Format: Hardback, 672 pages, illustrations

Price: A\$ 180.00

ISBN: 0643066586

This publication is a timely overview of the current international research on mites and ticks. The outcome of a

conference of leading acarologists, it presents major reviews of all current areas of research including:

Advances in acarine biodiversity and systematics.

Human and livestock diseases transmitted by ticks and other parasitic mites.

Interactions between mites and their food plants.

Mites as biological control agents.

Use of genetic markers in mite population studies.

Mites as bioindicators.

Ecology and biology of soil mites.

Mite evolutionary ecology and reproduction.

Advances in acarine diversity and systematics.

The 90 papers in the book represent some of the best research from leading international researchers from over 50 countries, and helps to establish priorities for future research. All papers have been peer reviewed and edited.

Contents of Journals

International Journal of Acarology Vol. 27, No. 2, 2001

Abe, H., Sasaki, T. and Hiromi, J. Halacarid mites (Acari: Halacaridae) as possible indicators of preferable culture beds of Japanese scallop *Patinopecten yessoensis* (Jay) (Pterioida: Pectinidae). 91

Norton, R.A., Florian, M.E. and Manning, L.E. Ecdysial cleavage line in *Paralycus* sp. (Acari: Oribatida):

Pediculochelidae). 97

Schatz, H. *Eremaozetes capensis* n. sp. (Acari: Oribatida: Eremaozetidae) from South Africa. 101

Ramaraju, K. and Mohanasundaram, M. New phoretic mites (Acari: Chaetodactylidae) on carpenter bees from Tamil Nadu, India. 107

Husband, R.W. A new species of *Eutarsopolipus* (Acari: Podapolidae) from *Scarites subterraneus* (Coleoptera Carabidae) from Louisiana, U.S.A. 113

Malandraki, E.G. and Emmanouel, N.G. A new species of *Neooxyceus* (Acari: Eriophyidae) from Greece. 119

Flechtmann, C.H.W. and Santana, D.L.Q. First record of an eriophyid mite from *Eucalyptus* in Brazil, with a complementary description of *Rhombacus eucalypti* Ghosh and Chakrabarti (Acari: Eriophyidae). 123

Bolland, H.R. Observations and description of *Neophyllobius piniphilus* n. sp. (acari: Camerobiidae) from pine trees in the Netherlands. 129

Bolland, H.R. and Koc, K. Notes on *Tycherobius* species (Acari: Camerobiidae) in Turkey. 135

Yoder, J.A., Mahmood, S.S. and Lalli, P.N. Semiochemical parsimony between the Madagascar hissing-cockroach mite and its host. 139

Sayed, M.A., Habeeb, S. and El

Kammah, K.M. Chicken immunological reaction to salivary gland protein of *Argas persicus* (Oken) (Acari: Argasidae). 145

James, D.G., Price, T., Wright, L., Coyle, J. and Perez, J. Mite abundance and phenology on commercial and escaped hops in Washington State, USA. 151

Takano-Lee, M. and Hoddle, M.S. Biological control of *Oligonychus perseae* (Acari: Tetranychidae) on Avocado: IV Evaluating the efficacy of a modified mistblower to mechanically dispense *Neoseiulus californicus* (Acari: Phytoseiidae). 157

Kollars, Jr., T.M., Monkanna, T. and Khlaimanee, N. A comparison between mice and rats as sentinels for *Leptotrombidium imphalum* (Acari: Trombiculidae) in Northern Thailand. 171

Experimental and Applied Acarology
Vol. 25, No 2, 2001

Holte, A.E., Houck, M.A., and Collie, N.L. Potential role of parasitism in the evolution of mutualism in Astigmatid mites: *Hemisarcoptes cooremani* as a model. 97

Slone, D.H. and Croft, B.A. Species association among predaceous and phytophagous apple mites (Acari: Eriophyidae, Phytoseiidae, Stigmaeidae, Tetranychidae). 109

Shatrov, A.B. Ultrastructure of the integument during moulting of the

quiescent tritonymphal instar of trombiculid mite *Hirsutiella zachvatkini* (Acari: Trombiculidae). 127

Radwan, J. Male morph determination in *Rhizoglyphus echinopus* (Acaridae). 143

Gothé D.R. Cold-hardiness of *Dermacentor marginatus* (Acari: Ixodidae). 151

Corson, M.S., Teel, P.D., and Grant, W.E. Influence of acaricide resistance on cattle-fever tick (*Boophilus* spp.) infestation in semi-arid thornshrublands: A simulation approach. 171

Lindquist, E.E. Arthropod biology: Contributions to Morphology, Ecology and Systematics. E. Ebermann (ed.). 185

Vol. 25, No. 3

Gao, J.-R. and Zou, P. Biology, life table and host specificity of the mushroom pest, *Brennandania lambi* (Acari: Pygmephoroida). 187

Thind, B.B. and Clarke, P.G. The occurrence of mites in cereal-based foods destined for human consumption and possible consequences of infestation. 203

Palevsky, E., Soroker, V., Weintraub, P., Mansour, F., Abo-Moch, F., and Gerson, U. How species-specific is the phoretic relationship between the broad mite, *Polyphagotarsonemus latus* (Acari: Tarsonemidae), and its insect hosts. 217

Jolly, R.L., Solomon, M.G., and Fitzgerald, J.D. Distribution of the spermathecae of phytoseiid mites (Acari: Phytoseiidae) in slide preparation. 225

Mohamed, T.M. Purification and characterization of asparatate aminotransferase from developing embryos of the camel tick *Hyalomma dromedarii*. 231

De Vos, S., Zeinstra, L., Taoufik, A., Willadsen, P., and Jongejan, F. Evidence for the utility of the Bm86 antigen from *Boophilus microplus* in vaccination against other tick species. 245

Roger, F., Ratovonjato, J., Vola, P., and Uilenberg, G. *Ornithodoros porcinus* ticks, bushpigs, and African swine fever in Madagascar. 263

Vol. 25, No. 4

Nomikou, M., Janssen, A., Schraag, R., and Sabelis, M.W. Phytoseiid predators as potential biological control agents for *Bemista tabaci*. 271

Yang, X., Zhu, K.-Y., Buschman, L.L., and Margolies, D.C. Comparative susceptibility and possible detoxification mechanisms for selected miticides in Banks grass mite and two-spotted spider mite (Acari: Tetranychidae). 293

Herron, G.A., Rophail, J., and Wilson, L.J. The development of bifenthrin resistance in two-spotted spider mite (Acari: Tetranychidae) from

Australian cotton. 301

Bowie, M.H., Worner, S.P., Krips, O.E., and Penman, D.R. Sublethal effects of esfenvalerate residues on pyrethroid resistant *Typhlodromus pyri* (Acari: Phytoseiidae) and its prey *Panonychus ulmi* and *Tetranychus urticae* (Acari: Tetranychidae). 311

Martin, S.J. *Varroa destructor* reproduction during the winter in *Apis mellifera* colonies in UK. 321.

Sch I.H., Sieberz, J., G bel, E., and Gothe, R. Morphology and structural organization of Genes organ in *Dermacentor reticulatus* (Acari: Ixodidae). 327

Vol. 25, No. 5

Special Issue: Population biology of Plant-inhabiting Mites Part 2; Guest Editor, Takafuji, A., Bruin, J., and Amano, H. Proceedings of the 4th International Symposium on Population Dynamics of Plant-inhabiting Mites; held from 10-14 May 1999 in Kyoto, Japan. 1

Foreword 353

Hinomoto, N. and Takafuji, A. Genetic diversity and phylogeny of the Kanzawa spider mite, *Tetranychus kanzawai*, in Japan. 355

Yano, S., Takabayashi, J., and Takafuji, A. Trade-offs in performance on different plants may not restrict the

host plant range of the phytophagous mite, *Tetranychus urticae*. 371

Zhang, Y.-X., Zhang, Z.-Q., Zhang, X.-J., Liu, Q.-Y., and Ji, J. Population dynamics of phytophagous and predatory mites (Acari: Tetranychidae, Eriophyidae, Phytoseiidae) on bamboo plants in Fujian, China. 383

Takahashi, H., Takafuji, A., Takabayashi, J., Yano, S., and Shimoda, T. Seasonal occurrence of specialist and generalist insect predators of spider mites and their response to volatiles from spider-mite-infested plants in Japanese pear orchards. 393

Luh, H.-K. and Croft, B.A. Quantitative classification of life-style types in predaceous phytoseiid mites. 403

Shih, C.I.T. Automatic mass-rearing of *Amblyseius womersleyi* (Acari: Phytoseiidae). 425.

Volume 25, Issue 6, 2001

Georgios D. Broufas, Dimitris S. Koveos Development, survival and reproduction of *Euseius finlandicus* (Acari: Phytoseiidae) at different constant temperatures pp. 441-460

Carl C. Childers, Raul Villanueva, Hugo Aguilar, Ryan Cheuning, John P. Michaud Comparative residual toxicities of pesticides to the predator *Agistemus industani* (Acari: Stigmaeidae) on citrus in Florida pp. 461-474

J. Scott Blackwood, Brian A. Croft, Peter Schausberger Jerking in

predaceous mites (Acari: Phytoseiidae) with emphasis on larvae pp. 475-492

Kimiko Okabe, Barry M. Oconnor A method for both mass and individual rearing of fungivorous astigmatid mites (Acari) pp. 493-504

Andr a Meyer-K nig, Monika Zahler, Rainer Goth Studies on the critical water mass and the rehydration potential of unfed adult *Dermacentor marginatus* and *D. reticulatus* ticks (Acari: Ixodidae) pp. 505-516

Monika Zahler, Wim M.L. Hendriks, Anke Essig, Heinz Rinder, Rainer Gothe Taxonomic reconsideration of the genus *Chorioptes* Gervais and van Beneden, 1859 (Acari: Psoroptidae) pp. 517-523

Journal of the Acarological Society of Japan
Vol.10, No.1 (May, 2001)

Hayashi, F. and Matsunaga, G. Ecological notes on tick, *Amblyomma nitidum*, and trombiculid mites infesting sea snakes in Japan (In Japanese). 1

Kuwahara, Y., Ibi, T., Nakatani, Y., Ryono, A., Mori, N., Sakata, T., Okabe, K., Tagami, K. and Kurosa, K. Chemical ecology of astigmatid mites LIX. Neral, the alarm pheromone of *Schwiebea elongata* (Banks) (Acari: Acaridae). 19

Kurosa, K. A new genus and species of Pygmephoridae (Acari: Heterostigmata) associated with the halictid bees in Japan. 27

Toda, S., Osakabe, Mh., and Komazaki, S. Detection of a point mutation in mitochondrial COI gene of *Panonychus citri* (Acari: Tetranychidae) using PCR amplification of specific alleles. 37

Kawai, A., Haque, M. M., Tanaka, H., and Shiba, M. First record of *Homeopronematus anconai* (Backer) in Japan and predation on *Acarus lycopersici* 43

Proceedings of 9th Annual Meeting of the Acarological Society of Japan (In Japanese). 47

**Systematic & Applied Acarology
Special Publications
No. 9 (Sept. 2001)**

Zhang, Y.-X., Zhang, Z.-Q., Lin, J.-Z., Ji, J. & Hou, A.-P. Oviposition and survival of *Schizotetranychus bambusae* females (Acari: Tetranychidae) feeding on young and old bamboo leaves. pp 1-9.

Zhang, Y.-X., Zhang, Z.-Q., Lin, J.-Z., Ji, J. & Tong, L.-X. Larvae and protonymphs of the predator *Typhlodromus bambusae* (Acari: Phytoseiidae) attacked and killed by adult males of their prey, *Schizotetranychus nanjingensis* (Acari: Tetranychidae). pp. 11-21.

Zhang, Z.-Q. On *Leptus siemssensis* Oudemans from Fujian, China (Acari: Erythraeidae).

New Members

Andrei, Zaitsev
Institute of Zoology
Justus-Liebig-University
Heinrich-Buff Ring 26-32 (IFZ)
D-35392 Giessen
Germany.
Telephone: +49 641 99 35715
Fax: +49 641 99 35709
E-mail: Andrei.Zaitsev@allzool.bio.uni-giessen.de
Research interest: Diversity, ecology, palaeogeography and ecotoxicology of oribatid mites (Acariformes, Oribatida)

Hennessey, Michael K.
United States Department of Agriculture,
APHIS, PPQ
Commodity Risk Assessment
Unit 133
4700 River Rd.
Riverdale, Maryland 20737-1236
USA
Telephone: 301-734-4312
Fax: 301-734-8693
E-mail: michael.k.hennessey@usda.gov
Research interests: plant quarantine risk assessment; mite economic pests of plants; mite fauna and host lists; Mesostigmata taxonomy and systematics.

Nukenine, Elias Nchiwan
Department of Biological Sciences
Faculty of Science
University of Ngaoundere
PO Box 454
Ngaoundere
Cameroon.
Telephone: +237 64 05 12 (Mobile),
E-mail: en_nukenine@yahoo.co.uk
Research interest: Agricultural acarology

N ncio, Maria Sofia

Centro de Estudos de Vectores e Doen as
Infecciosas

Instituto Nacional de Sa de Dr. Ricardo
Jorge

Av. da Liberdade n 4

2965 guas de Moura

Portugal.

Telephone: ++ 351 265 912222

Fax: ++ 351 265 912155

E-mail: snuncio@netc.pt or

cevdi@mail.telepac.pt

Research interest: Lyme borreliosis and
other tick borne diseases

Shi, Aoxiang

Department of Applied Entomology

Warsaw Agricultural University

ul. owoursynowska 166

02-787 Warsaw

Poland

Telephone: + 48 22 8434942

Fax: + 48 22 8434942

E-mail: insung@alpha.sggw.waw.pl

Research interest: Eriophyoidea -
taxonomy, ecology and mite-host plant
relationship

Zhang, Wei

Department of Microbiology and

Molecular Genetics

The University of Vermont,

Burlington, Vermont 05405

USA.

E-mail: wei.zhang@uvm.edu

Research interest:

Bioinformatics/computational biology.

Systematic & Applied Acarology Special Publications Information for authors

Systematic and Applied Acarology Special Publications (SAASP) is a sister-publication of *Systematic and Applied Acarology* (SAA); both published by the Systematic and Applied Acarology Society. SAASP is designed for papers that can not be normally placed in SAA. These papers include (1) monographical works which are too long for SAA and (2) papers that need faster publication than the schedule of an annual publication such as SAA. Typical examples of the latter are taxonomic papers that make names of new species available for ongoing applied projects. Normally, the authors will be asked to contribute to part of the printing cost for the publication of their manuscripts in SAASP.

SAASP publishes papers and monographs reporting results of original research on any aspects of mites and ticks. Submission of a manuscript implies that the results have not been published and are not being considered for publication elsewhere. It is assumed that all authors of a multi-authored manuscript agree to its submission. All papers are peer-reviewed before acceptance for publication.

Papers are published within one month after they are accepted by the editors. All papers published in this journal are made free of charge online at the website:

http://www.nhm.ac.uk/hosted_sites/acarology/saas/saasp.html

Systematic & Applied Acarology Society

Application for membership

Systematic and Applied Acarology Society (SAAS) aims at promoting the development of acarology and fostering cooperation among acarologists in different parts of the world. Anyone interested in the study of mites and ticks is welcome to join SAAS. There is no fee for basic membership. Members can publish free of page charge in *Systematic and Applied Acarology* (SAA), can participate in elections of SAAS officers and enjoy 25% discount in page charge for publishing in the rapid journal *Systematic and Applied Acarology Special Publications* (SAASP). Members who volunteer contributions of 10 or 35 US dollars becomes sustaining members; those contribute 10US\$ receive printed version of *Acarology Bulletin* (AB), those contribute 35US\$ receive SAA and AB. Electronic versions of AB and SAASP are available online for free: www.nhm.ac.uk/hosted_sites/acarology/saas/

Name: _____ Title (Prof / Dr / Mr / Mrs / Miss /Ms) _____

Address: _____

Telephone: Business: _____ Home: _____
FAX : _____ E-mail: _____

Research Interest: _____

Member type ___Basic; free
___Sustaining; contribution of 10 US\$__ (receive AB)/35US\$ ___ (AB & SAA)

Payment should be made in US\$ to *Systematic & Applied Acarology Society* . You also pay in *other major convertible currencies*.

Please send the completed application form and payment (if any) to :

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

ACAROLOGY BULLETIN (ISSN 1361-8091) is a newsletter of the Systematic and Applied Acarology Society (c/o Dr. Anne Baker, Dept. of Entomology, The Natural History Museum, London SW7 5BD, UK). It is published in four issues in 2001 (January, April, July and October) and is distributed free on the internet and to sustaining members of SAAS. All correspondence should be sent to the Editor Dr. Renjie HU, California Department of Health Services, 2151 Convention Center Way, Suite 218B, Ontario, CA; 91764, USA; Tel: (909) 937-3440; Fax: (909) 937-3456; E-mail: drrenjie@hotmail.com. Non-member subscribers should order the journal from Dr Ting-Kui Qin, Plant Quarantine Policy Branch, Australian Quarantine and Inspection Service, GPO Box 858, Canberra, ACT 2601, Australia. Subscription rate for vol. 6 in 2000 is \$10 plus \$6 for post by air.