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Editor's Note

This issue of the IAS newsletter has several important highlights.

First, there is a report on the highly successful Fourth World Congress on Allelopathy that was held in Wagga Wagga, Australia this past August. Hats off to Prof. Jim Pratley and colleagues who worked extremely hard to organize this meeting.

Also, Leslie Weston and Stephen Duke provide a brief preview of the Fifth World Congress on Allelopathy that is planned for Saratoga, New York (USA) in 2008.

Finally, the proposed revisions to the Constitution and Bylaws are included. These revisions will be voted on by the membership in July following a brief campaign for membership renewals. If you have not renewed your membership, or would like to join the Society, please express your support now using the membership forms enclosed.

This is my final issue as editor of the Society newsletter. With this issue, I hand off responsibilities to Professor Inderjit, who is the new secretary of the Society. It has been a pleasure to serve the Society these past six years, and to get to know so many of you who share a mutual interest in understanding the chemistry of plant-plant interactions.

Jeff Weidenhamer

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Officers of the Society 2005-2008

Note: At Large Representatives of the Executive Council will serve pending Society approval of the revised Constitution and Bylaws

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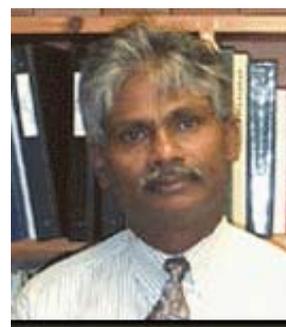
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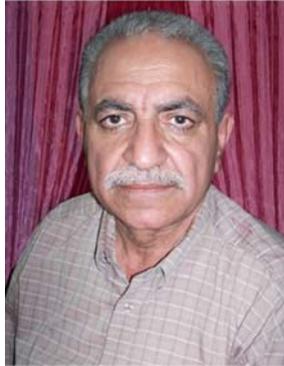
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President's Message

It was my privilege to be elected as the 4th President of International Allelopathy Society at 4th International Congress on Allelopathy in Wagga Wagga, Australia, 2005. As most of the members know, this is due to the success of 3rd Congress on Allelopathy in Japan, 2002. For the success of 3rd Congress on Allelopathy, I would like to give sincere thanks to all my colleagues who supported and attended this meeting. The proceedings of this meeting, entitled "Allelopathy – New Concepts and Methodology," are now in press with Science Publishers, NH, USA and expected to appear in autumn 2006.

It is evident that allelopathic interactions play a pivotal role in natural as well as manipulated ecosystems. Although the human recognition of allelopathy is very old, the study of allelopathy is still regarded as a relatively young and immature field of science. During the past decades this subject has flourished into an effective scientific discipline due to multidisciplinary efforts, and has become an exciting field of study in recent years. Technical advances in chemistry have enabled scientists to separate complex mixtures into individual components and characterize these compounds. Advances in biology have unveiled how these chemicals regulate the behavior of organisms. Molecular biology provides tools for studying signal transduction mechanisms, which changes chemical signals into an internal response.

Scientists working in various disciplines under the banner of allelopathy have broadened our knowledge to solve many environmental problems. The current public awareness of environmental hazards from synthetic herbicides has opened new doors for scientists working on allelopathy to develop safe, environmentally friendly and more productive farming methods in agriculture. In addition to these disciplines, allelopathy in invasive alien species has now become an important research topic, and in Japan

we have started a new National Project: "Risk Assessment of Invasive Plants and their Control".

Allelopathic phenomena in the field are not so easy to demonstrate, but I think it will become more evident after the identification of allelochemicals in action. Evaluation of allelochemicals in relation to their natural concentration from the standpoint of total activity might be a **useful tool**. There are more than 5 million plant species in the world. Most of the natural chemicals, including allelochemicals, are unknown and wait for us to identify them. I hope that allelopathic research will contribute to the peaceful existence of human beings by helping to develop sustainable agricultural methods and providing us a clean and safe environment and food supply.

Yoshiharu Fujii

President, International Allelopathy Society



4th World Congress on Allelopathy Wagga Wagga, Australia August 2005

The Congress was a very successful international event with 110 delegates from 29 countries. In the past, allelopathy has had a mixed reputation where the quality of the research has often not been strong enough to establish clear credibility.

The Organising Committee for the 4th Congress was aware of this issue and used the theme "Establishing the Scientific Base" to raise the standards of the papers and presentations. Fully refereed Congress Proceedings were provided for the first time and a significant number of "new inputs" were included to balance long term contributors.



Delegates to the 4th World Congress on Allelopathy, Wagga Wagga Australia

The Congress was arranged into several symposia to reflect the main research activities occurring worldwide. The themes were: Ecology, Chemistry, Novel Approaches, Rice Allelopathy, Breeding and Genetics. The overall standard of the invited papers was very good with advances made in all areas of understanding and methodology. Allelopathy is clearly a component of plant interactions and there appears to be scope for using this phenomenon in integrated pest management.

Impressions from the Congress in each of the themes are provided.

1. Ecology – One of the major weaknesses of allelopathy has been to demonstrate the processes that are occurring in the soil (i.e. addressing the leap from sterile laboratory research to action in the field). There was an excellent presentation from McCully (Australia) on the rhizosphere and the application of methodologies to address this agenda. Significant contributions to this area of methodology were provided also by Weidenhamer

(US) and it would appear that prospects for productive research in this area have been substantially enhanced.

Another ecological focus was the involvement of allelopathy in weed invasion. An excellent presentation by Callaway (US) demonstrated how *Centaurea* spp (knapweed), one of North America's worst weeds, uses allelopathy to enable it to invade and create monocultures, an outcome that does not occur in its native Eurasia. The understanding of the chemistry is advanced and provides an explanation for the success of invasive species.

There was also a demonstration by Kathiresan (India) of the control of water hyacinth by allelopathic material from native plants both in the laboratory and field with control in the field ranging from 50% to 100% depending on the allelopathic species used. There was little effect on non-target flora and fauna. Luo (China) outlined the allelopathy research being undertaken in his country and the challenges that lie ahead.

2. Chemistry – The Congress demonstrated that the study of allelopathy is not inhibited by chemical techniques. Extensive advances have been made in this area and this was demonstrated in the paper by Macias (Spain) which outlined for wheat, rye and maize the whole plant production of allelochemicals, their degradation intermediates and final products. The complete cycle from their synthesis in the donor plants to their absorption in target species has been studied under laboratory conditions. It should be noted that Macias' team led a cooperative research centre team across Europe to help advance the knowledge of allelopathy funded by the EC.

Many other papers across the Congress demonstrated the application of leading edge chemistry technology to the research.

3. Novel Approaches – One of the leading research centres on natural products has been focusing on the mode of action of allelochemicals and the plant defence responses created. Duke (USDA) showed that, in *Arabidopsis*, a range of defence-associated genes were dramatically induced when exposed to xenobiotics including herbicide, allelochemical and herbicide safeners. Transcriptional profiling experiments using microarrays are being conducted to examine this. The presence of particular weeds may induce allelochemical production in the crop species and may open up new thinking on allelopathy management.

The studies on allelopathy have helped to develop a bioherbicide for control of kudzu and other weeds but this has been limited by its effects on invertebrates. Hoagland (US) outlined measures to reduce these changes including timing in production of the undesirable secondary metabolite trichothecene, use of chemical inhibitors and production of trichothecene deficient MV strains.

The issue of generating plant defence mechanisms was also raised by Pickett (UK) where he demonstrated that the production of *cis*-jasmone

in plants such as wheat and barley induces antibiotic effects against aphids.

Syngenta also presented a paper on Collisto, their maize herbicide which has been registered in North America for use on broadleaf weeds in maize. It evolved from the observation of allelopathy in the Australian bottlebrush. The components were analysed and evaluated and the active ingredient synthesised into a “natural” herbicide.

Modelling of allelopathic processes was also addressed by An (Australia).

4. Rice Allelopathy – Rice is perhaps the most advanced example in the field of variety effects. Gealy (US) showed impressive examples of rice varieties controlling a range of weeds including barnyard grass and ducksalad. These varieties have enabled a reduction in herbicide application rates.

In Australia, Seal (Australia) showed the work with Australian weeds which indicates a range of allelopathic activity. There is some evidence that the main variety grown, Amaroo, has allelopathic effects against the broadleaf aquatic weeds.

There has been much chemistry work (Kato-Naguchi, Japan), genetic diversity research (Liu, China) and genetic manipulation activity (Dayan, US) all of which were excellent presentations at the Congress.

5. Breeding and Genetics – This symposium showed how new and old technologies were able to move the discipline forward. Evaluation of varieties shows considerable variation in allelopathic capacity to particular weeds (e.g. Wu, Australia, with wheat; Bertholdsson, Sweden, with wheat and barley; Alsaadawi, Iraq, with sorghum). As well, there is expressed sequence tag (EST) analysis being done in sorghum to help identify the genes responsible for sorgoleone synthesis (Baerson, US), and functional genomics to identify enzymes responsible for biosynthesis of

momilactone B in rice which is known to have anti-microbial activity (Peters, US).

A particular development of interest by Gwynn-Jones (UK) was the advancement of understanding of allelopathy through metabolomics which allows the simultaneous analysis of the total biochemical complement of any sample such as a leachate. The process for the purpose is the Fourier Transform Infrared Spectroscopy. The metabolome can then be evaluated using multivariate analysis and data mining and enables the possibility of increasing knowledge of below ground allelopathic interactions.

In summary, the research exchange provided delegates with an update of global research in allelopathy, an opportunity for building of

networks and a chance to enhance and create new friendships.

Delegates were introduced to the Australian didgeridoo, Australian jazz and bush dancing. The weather was kind with lovely Australian spring weather and clear night skies for star gazing.

The Organising Committee wishes to thank all delegates for their wonderful cooperation and contribution to this friendly and informative event. We send our best wishes to all those affected by the natural disasters around the world and extend our wishes also to Leslie Weston and her team for the 5th World Congress in New York.

Jim Pratley
Chair, Organising Committee

Additional photos from the Fourth World Congress are posted on the IAS Web Site!



5th World Congress on Allelopathy

**September 21- 25, 2008
Saratoga Hotel and Conference Center
Saratoga Springs, New York**

We encourage all of you to begin planning for the next allelopathy congress in 2008. Attending will allow you to catch up on all that has happened in our field since our last very successful congress in Wagga Wagga, Australia.

Venue and Social Program

Leslie Weston and Prasanta Bhowmik traveled to

Saratoga Springs in late October 2005 to visit and tour facilities associated with the Hotel Saratoga in downtown Saratoga Springs, NY. We found the host hotel to be attractive and undergoing renovation. Meeting facilities are plentiful, and the hotel is within easy walking access of shopping, restaurants and points of interest. The hotel has a full service restaurant and catering service, but many luncheons and dinners will be included in the registration fee for meeting participants. Hotel rooms at the Hotel Saratoga are spacious and can be reserved as single or double accommodations. Room rates will not be more than 150.00 US dollars in 2008. Other hotels are also located within walking distance, but we will

be encouraging all participants to stay at the host hotel, for convenience and to help IAS meet its room quota. The town of Saratoga Springs has considerable historical charm, with shopping, art galleries, museums, state parks, spas, lakes and hiking within a few kilometers of town or in the town center. Since the meeting will be held during the 3rd week in September in 2008, from Sunday through Thursday, we are expecting the weather to be generally sunny and warm (ca. 20-24 C) during the day, with low humidity.

We are planning an optional half day of field trips with expeditions to Lake George and the Adirondack Mountains to observe plant, wildlife and bird ecology, as well as a tour of the Adirondack preserve and study of invasive species establishment in the protected parklands. One can observe native forest species as well as lakes and streams which support excellent fishing as well as invasive non-native species. This area is a very popular vacation destination in the summer and fall and offers kayaking, fishing, camping, hiking, and boating as well as golfing. Reasonable off season hotel rates are available for those wanting to stay on and vacation in the area, and the weather is generally very pleasant at this time of year.

Travel

Saratoga Springs is a small but very pretty and culturally diverse city located in upstate New York and bordering on the beautiful Adirondack Mountains and the large Adirondack State Preserve. It is home to Skidmore College, the NY City Ballet in summer months, many spas and medicinal springs. It is most famous for its thoroughbred horse race held in August. Saratoga Springs is easily accessible by flight to Albany NY from New York City NY, Newark NJ or surrounding airports. Saratoga Springs and Albany NY are also accessible directly by train from these airports or from Boston, Newark, Montreal, New York or Philadelphia. The hotel has the capacity to pick up guests in Albany and deliver them to the hotel, a distance of about 20 miles. The train station is located within 0.5 miles of the Hotel Saratoga. Both train stations in Albany NY and

Saratoga Springs are brand new. Trains arrive hourly in Albany from surrounding areas and several times per day in Saratoga Springs. We will make arrangements to pick up most participants at the airport in Albany upon arrival.

Program

A program committee is being formed with representation from all parts of the world. We have several suggested congress themes including 1) "The Role of Allelopathy in Integrated Chemical Ecology" and 2) "Allelopathy - Organisms, Processes and Applications in Ecology". The meeting will consist of 3.5 days of scientific program, preceded by a welcoming reception on Sunday evening. Several symposia, including one on the role of allelopathy in the success of invasive species, are planned along with poster sessions to compliment the oral communications. Keynote speakers who have impacted the field of chemical ecology research will be asked to present the current state of art research findings. We will be asking the International Society of Chemical Ecology to assist in planning and co-hosting or hosting selected symposia. We will also soon be asking some of you to participate in planning the scientific program. Please send Steve Duke (sduke@olemiss.edu) any suggestions or ideas that you have for the program, including your views on a suitable theme.

Leslie Weston, Chair of Local Arrangements Committee

Steve Duke, Chair of Program Committee

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Executive Committee and General Business Meeting Minutes

Minutes, IAS Executive Council
21 Aug 2005

Present: President A. Mallik, Past President F. Macias, President-elect Y. Fujii, Vice President J. Pratley, Treasurer L. Weston, Secretary J. Weidenhamer, Assoc. Editor Inderjit.

1. Minutes of 3rd World Congress. Minutes of the Executive Council from the Tsukuba meeting were reviewed. No omissions were noted, and no old business needed to be addressed.
2. Treasurer's Report. Dr. Weston provided a brief treasurer's report for the last year. Since the last report in August 2004, there have been a little more than \$100 in bank and service charges to our accounts, and \$200 in memberships received, giving a current balance of \$5226.22. Dr. Pratley added that approximately \$1000 of dues have been collected with meeting registration fees, and that the cost of the two Molisch medals will be approximately \$800-900. This will leave the balance essentially unchanged. There was discussion of moving to awards that are less costly to produce. Dr. Macias suggested the possibility of finding company sponsorship for the awards. Drs. Weston and Fujii concurred. Dr. Fujii pointed out that even paper awards (the poster awards in Tsukuba) can be meaningful. There was also discussion of whether the dues fees need to be reduced in order to enlarge the society. Dr. Mallik argued for reducing membership fees, and several members expressed agreement. This matter will be discussed in greater length on Tuesday.
3. Fourth World Congress Update. Dr. Pratley provided a synopsis report on the current Congress. There are currently 115-116 delegates representing 28-29 countries. He noted the expense of getting to Australia, and that the organizing committee has sponsored approximately half of the delegates. He pointed out the successful publication of the refereed proceedings. A few papers were rejected because they did not deal with allelopathy. Several papers required significant revision. They have made efforts to connect with the community in a public forum on Tuesday with the orations by the Molisch and Grodzinsky Award winners. There will be a Tuesday morning tea for the Executive Council with university administrators. Financially, Charles Sturt University will make up the shortfall for the Congress. Most of the resources have gone into sponsorship of delegates. The committee agreed to recognize Charles Sturt University for its support of the Congress. The committee expressed its appreciation to Jim Pratley and the committee for all the work that has gone into organizing the Congress.
4. Constitution and Bylaws. The committee reviewed the proposed revision of the constitution and bylaws. Dr. Weidenhamer reviewed the proposed changes (separate copy to the Executive Council). There was general agreement with changing the Vice President for Program position to that of Congress Host, with that person not automatically moving to President-elect. Dr. Mallik suggested that additional revision is needed to put much of the details of the working of the society into the bylaws, so that the constitution can be simplified. There was general agreement that the society does not need an associate editor, but there was seen a use for having an editor that would pursue the development of collections of papers on

specific topics for various journals. The *Journal of Chemical Ecology* was suggested as a possible venue for plenary talks from this meeting. There was extended discussion of the addition of an at large position to the Executive Council. Dr. Macias expressed concern that the procedure be changed to automatically elevate the President-elect to President. He also was concerned about the addition of an at large position, while others expressed support. Dr. Mallik argued for the importance of limiting people to two terms of office.

There was discussion of the procedure to propose and amend the Society documents. There was agreement that the proposed changes be outlined to delegates at the Thursday business meeting, and disseminated electronically to the membership following the meeting, with an electronic or paper mail submission of votes to the secretary.

5. Selection of site for 5th World Congress. Significant discussion was given to the process for selecting a site for the 5th World Congress. According to the Constitution, the Executive Council establishes procedures for the site selection. Dr. Mallik noted that he expects proposals from the United States, China, and Taiwan. It was agreed that Dr. Mallik would solicit interested members to contact him tomorrow so that presentations can be made to the Executive Council on Tuesday. The Executive Council will then make a recommendation on the Congress site to delegates on Thursday for confirmation.
6. Nominations. Nominations for society officers were discussed. Dr. Fujii agreed to be nominated as President, while Dr. Pratley declined nomination as President-elect. Dr. Prasantha Bowmik has agreed to nomination as Treasurer. Dr. Weidenhamer agreed to be nominated as Secretary to allow for a smooth transition on the Constitutional changes. Dr. Manuel Reigosa was suggested for the At-

large position. Other nominations will be discussed on Tuesday.

7. Next meeting. The next meeting of the EC will be Tues noon in the Chancellor's Room. The agenda will include: (a) Site selection for the 5th World Congress; (b) Discussion of membership fees; and (c) Nominations.

Submitted by Jeff Weidenhamer
Secretary, IAS

Minutes, IAS Executive Council 23 Aug 2005

Present: President A. Mallik, Past President F. Macias, President-elect Y. Fujii, Vice President J. Pratley, Treasurer L. Weston, Secretary J. Weidenhamer, Assoc. Editor Inderjit.

1. Presentation of Bids for Fifth World Congress. The committee considered bids to host the Fifth World Congress from Taiwan, China and the United States:

Taiwan. Prof. C.H. Chou is now president of the Pingtung University of Science and Technology, an institution with 9800 students. The University celebrated its 80th anniversary last year, and has hosted five international conferences on the campus. Prof. Chou indicated that the facilities of the campus should easily handle a conference of this size. The campus is located only 45 min by bus from the international airport. He would expect to receive funding from the Taiwan government and Council of Agriculture, and proposed a registration fee approximately 60% of the cost of this meeting (US \$350-400). Prof. Chou proposed to host the meeting in November 2008. He would plan to publish a monograph of the proceedings of the Congress similar to volumes he has published from previous meetings on allelopathy and chemical ecology held in Taiwan. Possible sightseeing excursions include a nearby national park and the Taiwan national museum.

China. Prof. Jianwu Wang presented a bid on behalf of Prof. Shiming Luo, president of South China Agricultural University. He noted that Prof. Luo has been a pioneer in allelopathy research in China, and that there is very significant interest in allelopathy in China. Guangzhou has a new international airport and is one hour by train from Hong Kong. It is also easy to obtain a visa to visit China. Prof. Wang proposed to host the meeting in late October-early November 2008 as the climate is best at that time. Prof. Luo has already had conversations with government officials regarding support for the meeting, and they would anticipate having significant government funding for the Congress. The Congress would be organized by a committee from South China Agricultural University, chaired by Prof. Luo.

United States. Prof. Leslie Weston presented a bid to host the Fifth World Congress in Saratoga Springs, New York. This location is just south of Lake George in the Adirondack Mountains. It is three hours from Boston, New York and Montreal, and one half hour from Albany. For international travelers, the easiest access would be by train or rental car from the Newark, New Jersey or JFK New York airports. Saratoga Springs is known for horse racing and spas, and the Saratoga Hotel and Conference Center has 250 guest rooms and conference facilities that would readily accommodate the meeting. Sunday-Thursday of the third week of September (Sept 14-18, 2008) has been tentatively reserved for the Congress. There are a number of other hotels nearby that could also provide rooms. The climate in mid-September is mild and generally sunny. Prof. Prasanta Bhowmik has agreed to help organize the meeting. Prof. Stephen Duke has experience with fund-raising and expects that at least \$20,000 could be raised for the Congress. Prof. Weston proposed hosting a one day symposium on allelopathy and invasive plants to help bring in scientists from outside the society. Concern was raised about the difficulty of obtaining visas for Middle East visitors. Prof. Weston indicated that Prof. Duke's experience

has been that as long as strong letters of invitation are written, there is generally no problem.

2. Discussion. Prof. Weston declared a conflict of interest regarding the decision and the committee clarified that she would not be a part of the decision-making process and would not play any additional role in the discussion.

The committee recognized all of the proposals as strong and meritorious. Given the fact that the Third and Fourth World Congresses have both been held in the Pacific Rim, it was felt that it was in the best interest of the Society to move around the globe. Prof. Pratley moved to recommend North America (Saratoga Springs, New York) as the site for the Fifth World Congress. The motion was seconded by Prof. Inderjit and unanimously approved.

Submitted by Jeff Weidenhamer
Secretary, IAS

Minutes, IAS Executive Council 24 Aug 2005 (Breakfast)

Present: President A. Mallik, Past President F. Macias, President-elect Y. Fujii, Vice President J. Pratley, Treasurer L. Weston, Secretary J. Weidenhamer, Assoc. Editor Inderjit.

2. Nominations. The committee agreed on the following nominations for Executive Council officers: Past president (automatic) A. Mallik; President Y. Fujii; President-elect S. Duke; Congress Vice President L. Weston; Treasurer P. Bhowmik; Secretary Inderjit. Jeff Weidenhamer agreed to continue serving as secretary to finish the revisions in the Constitution and Bylaws and assist with this year's newsletter.

3. Makeup of Executive Council. Extended discussion focused on the composition of the Executive Council, and the need to have broader representation of the geographic and gender diversity of the Society. It was agreed that the Society did not need an editor but that the

Executive Council should have power to appoint members to serve as editors for specific projects of the Society. The committee agreed on the addition of five at-large positions to the Executive Council. Drs. Weidenhamer, Mallik and Pratley will consult on language for a motion to this effect.

Submitted by Jeff Weidenhamer
Secretary, IAS

Minutes, IAS Executive Council 24 Aug 2005 (Lunch)

Present: President A. Mallik, Past President F. Macias, President-elect Y. Fujii, Vice President J. Pratley, Treasurer L. Weston, Secretary J. Weidenhamer, Assoc. Editor Inderjit.

1. Proposal to change the composition of the Executive Council. Dr. Weidenhamer presented the following language to amend the Constitution:

Article 8 Section 1:

The Executive Officers of the IAS to be elected by Society members shall be the President, the President-elect, the Congress Host, the Secretary, and the Treasurer.

Article 8 Section 2:

It is desired that the Executive Council of the Society reflect the geographic and gender diversity of the Society. The Executive Council shall propose a slate of five at large representatives for confirmation at the Triennial meetings in order to ensure broad representation of Society members in governance of the Society. At large representatives will serve three-year terms and will not normally be re-elected.

Dr. Fujii argued that it was important for the Congress Host to be a Vice President of the Society, even if they were not automatically elevated to President-elect, as the title of Vice President is perceived as carrying greater weight, which is important in seeking funding. This change was accepted. Dr. Pratley moved,

seconded by Dr. Weston, to propose this change in makeup of the Executive Council. This motion was passed unanimously. Nominees for the five at-large positions were identified and will be spoken to prior to the business meeting.

2. Timeline and process for amending the Constitution and Bylaws. Dr. Pratley stated that we should have the incoming Executive Council look at the establishment of the Foundation. Dr. Mallik spoke to the importance of condensing the Constitution and separating the details which should be in the Bylaws from the Constitution. The following timeline was agreed to: Dr. Weidenhamer will submit a first draft of the proposed changes to the new Executive Council by September 30th. Comments will be due back within 10 days so the second draft can go out on October 15th, the third draft on October 30th, and a final draft (for vote) on November 15th. Following approval by the Executive Council, the proposed changes will be emailed to the membership for an electronic vote by the end of the year. [Note: This timeline for the vote on revisions was later extended into 2006 following publication of the newsletter.]

Submitted by Jeff Weidenhamer
Secretary, IAS

Minutes, IAS General Business Meeting 25 Aug 2005

1. Secretary Report on Executive Council Meetings. Prof. Weidenhamer briefly reported on the topics under discussion by the Executive Council. Attention has been given to proposed changes in the Constitution and Bylaws, selection of a site for the 5th World Congress, and the need to increase membership of the Society.

2. Treasurer's Report. Prof. Weston presented a report on the treasury. The balance in the treasury as of August 2005 was US \$5226.22. [The full report appears elsewhere in the newsletter.] The treasurer's report was approved by delegates present.

3. Financial Report for 3rd World Congress. Prof. Fujii reported that approximately \$1786 remained from the budget for the 3rd World Congress, and that the proceedings from the 3rd Congress are nearing completion. The remaining

funds will be used in the publication of this book. Prof. Fujii's report was approved by delegates present.

Financial Report, Third World Congress on Allelopathy (Tsukuba)

Income	US\$	Outgo	US\$
Support form Japan Expo Fund.	35,714	Convention Company	7,143
Support from FAO	5,536	Travel Support (38)	33,661
Support from Tsukuba City	6,250	Abstrat	3,571
Support form IAS	536	Publication	19,643
Donation from Company	15,177	Salary (for Students)	1,563
Registration fee	57,526	Excursion	5,602
Sell Abstract	82	Congress Hall	473
		Congress expenditure	1,551
		Gift to delegates	4,605
		Reception	15,669
		Hotel Payment (Food, Tea)	18,878
		Poster Award, etc	1,786
		Organizing Committee	4,892
		Remain	1,786
Total	120,821	Total	120,821

4. Vice President's Report on Fourth World Congress. Prof. Pratley thanked the organizing committee for their hard work in preparing for the Congress. He noted that 29 countries were represented by the 110 delegates, from all areas of the world. President Mallik and the Society joined in expressing their thanks to Prof. Pratley and his committee for an exceedingly well-organized meeting.

5. President's Report. Prof. Mallik commended the quality work being done to advance the science of allelopathy in many different ways. He pointed to recent regional meetings hosted by Prof. Bansal in India, and Profs. Luo and Zeng in China, the second European Allelopathy Symposium held in Poland, and the recent publication of Rick Willis's volume on the history of allelopathy as examples of this. In addition, Prof. Mallik organized a symposium on allelopathy at the recent joint meeting of INTECOL and the Ecological Society of America in Montreal. He emphasized to delegates the importance of publishing their work in peer-

reviewed publications, so that results can be transmitted to the general ecological community. Prof. Waller's proposal to establish an IAS Foundation will be important in helping provide a strong financial base of support for the Society. Prof. Mallik indicated that he is having conversations with Prof. John Romeo, editor of the Journal of Chemical Ecology, about the possibility of a special issue comprised of 10-15 papers from this Congress. Papers will be due by December 1st, with two months of review, and publication some time next year. Interested contributors were invited to contact Prof. Mallik.

6. Proposal for Site of Fifth World Congress. Prof. Mallik reviewed the process undertaken by the Executive Council to review proposals to host the next World Congress. These were reviewed prior to the business meeting for two reasons: (a) maintaining the international nature of the society through a diversity of meeting sites; and (b) one of the three proposers was unable to attend the business meeting. Prof. Mallik indicated that his recommendation is that in the future, proposals

come to the Executive Council prior to being presented to the membership so that various details related to organization of the meeting can be explored. Three strong proposals were received by the Executive Council: (a) Prof. C.H. Chou proposed to host the meeting in Taiwan; (b) Prof. Shiming Luo proposed to host the meeting in China; and (c) Prof. Leslie Weston proposed to host the meeting in North America at Saratoga Springs, New York. Although an Executive Council member, Prof. Weston was not involved in the decision on the proposed site because of her conflict of interest.

The unanimous recommendation of the Executive Council is to hold the Fifth World Congress in Saratoga Springs. Prof. Weston made a brief presentation [details elsewhere in the newsletter] on the specifics of the proposed meeting (tentatively September 2008). A symposium on invasive weeds will be planned in conjunction with the meeting. Prof. Stephen Duke will be working with Prof. Weston to identify potential sources of funding for the meeting.

There was a brief discussion. Prof. Qasem expressed concern that this would be the second World Congress held in North America. Prof. Mallik responded that the Executive Council would have liked to hold a meeting in the Middle East, South America or Africa, but there were no proposals. While the Council is convinced that both Profs. Luo and Chou could organize outstanding Congresses, the Third and Fourth World Congresses have both been held on the Pacific Rim. For this reason, and given a strong proposal, North America was chosen as the Congress site.

Selection of Saratoga Springs, New York as the site of the 5th World Congress was unanimously ratified by the delegates present.

7. Proposed Changes to Constitution and Bylaws. Prof. Weidenhamer summarized the proposed changes to the Constitution and Bylaws [this summary and the complete text of the

proposed revisions are presented later in the newsletter]. A major change endorsed by the Executive Council is to change the makeup of the Executive Council to include five “at large” representatives, in order to ensure broad representation that reflects the geographic and gender diversity of the Society.

The proposed process for revision of the Constitution and Bylaws will be for the Executive Committee to finalize the revisions and then put these forward to the membership electronically for discussion and then for vote. Presuming the documents are approved, the revised Constitution and Bylaws will then go into effect.

After a brief discussion, there was a unanimous vote of support for the process recommended by the Executive Council to amend the Society’s governing documents.

8. Nominations and Elections. Nominees presented by the Executive Council were: For President, Yoshiharu Fujii; for President-elect, Stephen Duke; for Treasurer, Prasanta Bhowmik; for Secretary, Inderjit (Prof. Weidenhamer will continue to serve until the revisions to the Constitution and Bylaws are completed approximately Dec. 2005); for Congress Vice-President, Leslie Weston; and for at-large representatives (pending approval of the changes to the Constitution and Bylaws) Manuel Reigosa, Renata Bogatek, Ren-sen Zeng, Hanwen Wu, and Ibrahim Alsaadawi. It was motioned and seconded to accept the slate of nominees by acclamation. This motion was unanimously supported.

9. Comments from Outgoing Past President. Prof. Macias thanked everyone for their support of his efforts. He stated that he hoped his legacy would be that he pushed the Society in its development as much as possible. He referred to the statement in Article 2 of our current constitution that the IAS is organized to promote the understanding of biological systems. He pointed to the need to have increased cooperation of multidisciplinary groups if we are to be

successful in doing this. He pointed to the collaboration on invasive species by 35 different research groups in Japan that is being coordinated by Prof. Fujii, and the collaborative work on ecological weed control by seven groups in Europe as examples of such cooperation. He also supported the need to involve younger researchers much more in the future, and the continuation of regional workshops on allelopathy.

10. New Business / Comments from President.

Prof. Mallik thanked the Society members for the opportunity to serve, and turned the podium over to President Fujii. Prof. Fujii expressed his satisfaction at being able to attend this meeting and his gratitude to Prof. Pratley and his organizing committee. Prof. Fujii expressed the hope that the sort of international cooperation seen at conferences such as this one could help to promote peace in the world.

Submitted by Jeff Weidenhamer
Secretary, IAS

**Minutes, IAS Executive Council
26 Aug 2005**

Present: President Y. Fujii, Past President A. Mallik, President-elect S. Duke, Vice President L. Weston, Former Secretary J. Weidenhamer, Secretary Inderjit, At-large representatives H. Wu and I. Alsaadawi.

1. Society web site. Drs. Mallik and Duke spoke to the need to update the Society web site. Dr. Duke will volunteer to coordinate this process by sending things to Cadiz. The need for having changes to the website made quickly was emphasized.

2. Recruitment of members. Dr. Duke spoke to the need to make the next newsletter a very strong package that could be sent to everyone attending this and other related meetings so that we can recruit members. Dr. Mallik emphasized that we need to emphasize the benefits of membership (reduced registration at meetings?) and link to other similar societies. Dr. Duke will obtain lists of email addresses of attendees of other recent meetings so that these scientists can be contacted.

Submitted by Jeff Weidenhamer
Secretary, IAS

2005 Treasurer's Report

Balance August 2004 \$5232.22

Expenses

May 2005 E. Newfield
100.00 update of mailing list
June 2005 3.00 service fee
July 2005 3.00 service fee

Deposits 100.00 Membership dues

Balance August 2005: \$5226.22

Dr. Leslie A. Weston

Treasurer, International Allelopathy Society
20 Plant Science Building
Department of Horticulture
Cornell University
Ithaca NY 14853

Upcoming Meetings of Interest

22nd International Society of Chemical Ecology (Barcelona 2006)

The 22nd Annual Meeting of the International Society of Chemical Ecology will be held at the University of Barcelona (Barcelona, Spain) from July 15 to 19, 2006.

Angel Guerrero is the meeting host (CSIC, Spain) (agpqob@iiqab.csic.es).

For program information and meeting updates go to the official meeting web site at:

<http://www.pacifico-meetings.com/isce/>

XXIIIrd International Conference on Polyphenols

The 23rd International Conference on Polyphenols will be held at the University of Manitoba in Winnipeg, Manitoba, Canada, from August 22nd to 25th, 2006.

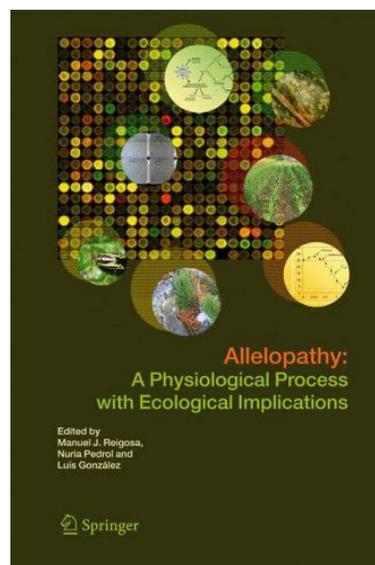
For program information, go to the conference web site at:

http://www.umanitoba.ca/polyphenols_conference/english/index.html

International Symposium on Biology, Ecology and Management Of World's Worst Plant Invasive Species

This symposium will be held December 10-14, 2006 and is hosted by the Centre for Environmental Management of Degraded Ecosystems at the University of Delhi. Contact Prof. Inderjit at inderjit@cemde.du.ac.in or visit the symposium web site at: <http://www.inderjit-ecology.com/symposium.htm>

Recent Publication of Interest



Allelopathy: A Physiological Process with Ecological Implications Manuel J. Reigosa (Editor), Nuria Pedrol (Editor), Luis Gonzalez (Editor)

- Hardcover** 651 pages (December 2005)
- Publisher:** Kluwer Academic Publishers
- Language:** English
- ISBN:** 1402042795

This volume includes 25 chapters written by experts in the field on general aspects, methodological aspects, physiological aspects, ecophysiology, ecological aspects, and applied aspects of allelopathy, as well as several chapters on allelopathy in different environments. It will be a welcome and useful addition to anyone's reference library on allelopathic interactions.

Past Presidents' Corner

Remembering the Fourth World Congress on Allelopathy

It was in the early days of the 2005 Australian spring, August 21 – 26th to be precise. Over 200 scientists from 25 countries gathered at the Charles Sturt University campus located in a small city called Wagga Wagga surrounded by vast expanses of agricultural fields and grazing lands interspersed by Eucalyptus trees. My travel from Sydney to Wagga Wagga was rather eventful. An early morning flight with a regional airline brought us within an hour close to the city but not close enough to land. Heavy fog prevented landing. Failing after three unsuccessful attempts, the pilot decided to take us to a nearby even smaller agrarian town of several thousand. About an hour and a half later, knowing that the fog had thinned out, we embarked on the plane. But this time the plane refused to fly as the engine became unhappy for some reason. We went back to the airport and technicians were called to repair the aircraft. Knowing that it would take several hours to make the plane flyable, we reluctantly took a bus ride to Wagga Wagga. I enjoyed the ride since it gave me a chance to see the countryside. I could appreciate how several years of drought can have such a devastating effect on the landscape. Extensive over-grazing and soil erosion was quite noticeable. It made me sad.

Our time of arrival at Wagga Wagga did not help in making a good impression of the city. It was late afternoon of a Saturday and the general atmosphere of the city was anything but busy. An Austrian immigrant taxi driver drove me to the Prince of Wales Hotel, but really we should call it a motel. I was tired and hungry. I put my disappointments aside and decided to be positive and to my amazement from then on everything worked out well. I found the motel staff pleasant and helpful. I had a nice dinner and a good night sleep. Most of the delegates arrived on Sunday. Professor Jim Pratley and his organization team arranged a lovely pre-congress reception on

Sunday evening with a wonderful selection of food and drinks.

For the following seven days we had two concurrent scientific sessions, a field trip to the local botanical gardens and the zoo. Some of us went on side trips to observe how a typical mid-size Australian farmer operates in growing crops and raising sheep and cattle. We discussed science, renewed friendships, enjoyed food and experienced culture. Generally speaking, all scientific conferences try to achieve these objectives and likewise this and all the previous congresses on allelopathy were successful in this regard. But to my mind the Wagga Wagga allelopathy congress distinguished itself on several fronts that are worth mentioning:

1. Involvement of High Officials: At the inaugural session of the congress Professor Pratley invited the Minister of Agriculture. The idea of having a keynote address from the president of the Society on the scientific advances and application of allelopathy in agriculture and forestry followed by a speech from the agriculture minister of Australia increased the scientific relevance and profile of the discipline. Furthermore, farmers, environmentalists, and the media representatives at this meeting gave a strong social relevance to the discipline.
2. Celebration of Excellence: The ceremonial awarding of the Grodzinski and Molisch awards at a civic reception was an excellent idea. The winners of the awards gave their distinguished lectures at the city hall in the presence of distinguished guests, farmers, environmentalists, community activists and the general public. This was followed by a lovely social with a selection of excellent wine and cheese produced by the Faculty of Agriculture of Charles Sturt University. It was a great success.
3. Volunteer Recognition: Recognizing volunteers with a certificate of appreciation toward the end of the congress was another

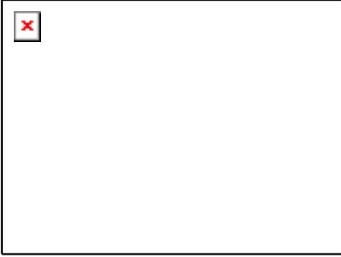
admirable initiative of this congress. These volunteers worked tirelessly in making the delegates comfortable with smooth functioning of registration, all the scientific sessions, business meetings, cultural events, bus transportation, field trips, lunches, dinners and refreshment breaks.

4. Communication: It was for the first time that we were handed the peer-reviewed 585 page allelopathy congress proceedings at the registration desk. This was a superb achievement of the organizing committee, a reflection of their hard work and dedication for academic excellence. The bright cover of the proceedings was tastefully designed and the entire volume is well produced. The editors did a fine job and 96 colleagues were involved in the peer-review process. Web version of the proceedings is distributed widely. In addition to ensuring the communication of academic material, the organizing committee was mindful of inviting local press, radio and television to report on the highlights of different sessions including the civic reception and it was very successful.

I was impressed by the innovation, dedication and hospitality of the organizing committee that raised the bar of academic and communication standards of our society. On behalf of all the participants, we thank Professor Jim Pratley and his team for organizing a superb meeting. Personally, for me the fond memories of the meeting will last a long time. Now, on behalf of the IAS and Professor Leslie Weston and her organizing team I would like to invite you to experience the New England hospitality at our next World Congress in 2008.

Azim Mallik

Past President, International Allelopathy Society



INTERNATIONAL ALLELOPATHY SOCIETY
MEMBERSHIP APPLICATION

An invitation

The International Allelopathy Society invites you to join in membership all around the world with scientists of diverse disciplines with a common point of interest: the study and comprehension of allelopathic phenomena. We hope this application will provide you the opportunity to take advantage of the many benefits IAS shall offer to its members.

Please type or print clearly.

1. Name: _____ DATE _____

Email address (required for ALL members): _____

Mailing address:

Institution: _____

Street: _____

City _____ Postal code _____

State/Province _____ Country _____

Tel: _____ FAX: _____

E-mail address: _____

Interests (keywords) _____

2. Payment: (Membership is paid on a triennial basis. Dues paid now will keep your membership current until the Fifth World Congress on Allelopathy in Saratoga Springs, New York (USA) in September 2008.)

Circle amount which applies:

Regular member (\$25 per year) \$50 U.S.

Student member (\$10 per year) \$20 U.S.

Life member \$500 U.S.

Voluntary donation to the Society (indicate amount) _____ U.S.

TOTAL ENCLOSED _____ **U.S.**

Checks or money orders should be made payable to the International Allelopathy Society, and should be drawn upon a US Bank, and sent to **Dr. Prasanta C. Bhowmik, Department of Plant, Soil & Insect Sciences, Stockbridge Hall 10, University of Massachusetts, Amherst, MA 01003-0910 USA.** Email for Prasanta Bhowmik: pbhowmik@pssci.umass.edu



INTERNATIONAL ALLELOPATHY SOCIETY
MEMBERSHIP RENEWAL

Please type or print clearly.

1. Name: _____ **DATE** _____

Email address (required for ALL members): _____

Mailing address:

Institution: _____

Street: _____

City _____ Postal code _____

State/Province _____ Country _____

Tel: _____ FAX: _____

E-mail address: _____

Interests (keywords) _____

2. Payment: (Membership is paid on a triennial basis. Dues paid now will keep your membership current until the Fifth World Congress on Allelopathy in Saratoga Springs, New York (USA) in September 2008.)

Circle amount which applies:

- | | |
|--|------------|
| Regular member (\$25 per year) | \$50 U.S. |
| Student member (\$10 per year) | \$20 U.S. |
| Life member | \$500 U.S. |
| Voluntary donation to the Society (indicate amount) | _____ U.S. |

TOTAL ENCLOSED _____ **U.S.**

Checks or money orders should be made payable to the International Allelopathy Society, and should be drawn upon a US Bank, and sent to **Dr. Prasanta C. Bhowmik, Department of Plant, Soil & Insect Sciences, Stockbridge Hall 10, University of Massachusetts, Amherst, MA 01003-0910 USA**. Email for Prasanta Bhowmik: pbhowmik@pssci.umass.edu

Proposed Changes to the CONSTITUTION and BYLAWS

Summary of proposed changes to the
Constitution and Bylaws:

1. Language is being condensed to bring the length more into line with governing documents of other societies.
2. The original Constitution contains much more detail on the operation of the Society which should be part of the Bylaws. The documents have been rearranged to conform to the standard separation of Constitution and Bylaws in documents of similar societies.
3. The address of the Society is defined as the address of the President of the Society.
4. The makeup of the Executive Council is modified to include five at-large representatives to allow for broader representation of the geographic and gender diversity of the Society, and the office of Editor has been eliminated. There is also now no presumption that the Congress VP will become President-elect. The previous makeup of the Executive Council included several members who served a total of 12 years (as Program VP, President-elect, President, and Past President). The proposed changes will allow broader representation on the Executive Council, and reduce the number of members on the Council with long terms, while still providing for continuity of leadership.
5. The changes remove the requirement of an annual audited statement for the Society. This has never been done for financial reasons. In its place, the Treasurer will submit reports to the Executive Council for review. The Executive Council retains the right to request an audited financial report.
6. A Congress Selection Committee is specified as a standing committee of the Society and procedures for selection of Congress locations are clarified (Bylaws Article 5 Section 3).

7. The makeup of the Awards Committee is specified (Bylaws Article 5 Section 2).
8. It is specified that the dissemination of the newsletter will be done electronically, which has been the practice of the Society for financial reasons. (Constitution Article 12)
9. The new Bylaws authorize the Executive Council to form the IAS Foundation as a separate entity from the Society to support research in allelopathy and particularly young scientists in the field (Article 3 Section 11).

INTERNATIONAL ALLELOPATHY SOCIETY

CONSTITUTION

Founded in New Delhi , India , September 5, 1994
First edition. Cadiz, Spain, September 19, 1996
Proposed Revision (June 2006)

ARTICLE 1: NAME

The name of this organization shall be the INTERNATIONAL ALLELOPATHY SOCIETY, hereinafter called the Society. For convenience, the expression IAS shall be deemed to be an appropriate abbreviation.

ARTICLE 2: PURPOSES

The Society is organized for scientific and educational purposes to promote the cooperation and collaboration between scientists in the field of allelopathy and for better understanding of allelopathic science by the public. The objectives of the Society shall be to encourage and stimulate research into chemical interactions between plants and between plants and microorganisms that are mediated through soil or water; to encourage and stimulate communication of these interests among members by providing forums for the presentation, discussion and publication of scientific research; and to promote the development of sustainable agricultural methods that reduce environmental pollution, and specifically the use of allelopathy to provide an alternative to other methods of controlling weeds.

As used in the preceding article, the term "scientific" shall be as defined in Section 501 (c) (3) of the USA Internal Revenue Code of 1954 and the regulations adopted pursuant thereto, and the corresponding provisions of any future revenue laws and regulations of the United State and the other countries.

ARTICLE 3: OFFICES

The office of the President will be the official address of the Society. Addresses of other officers are published annually in the Society's newsletter.

ARTICLE 4: CORPORATE SEAL

The design of the official Seal and Logo of the IAS shall be that as endorsed at the General Meeting, September, 1996; a circle partitioned horizontally into three zones and containing the letters IAS written in stylized script. Where colors are to be used, the upper zone representing the atmosphere is in blue, the middle zone representing the earth is in orange, and the lower zone representing water is in blue. The Logo of the IAS may be used on any official IAS document or publication.

ARTICLE 5: TRIENNIAL GENERAL MEETING

Section 1. Triennial General Meeting

The Triennial General Meeting of the Society is the principal meeting of Members of the IAS. This Meeting shall be arranged in accordance with procedures established by the Executive Council.

Section 2. Duties

The Triennial General Meeting of the Society:

1. May modify the Constitution and Bylaws of the Society.
2. May decide the dissolution of the Society.
3. Shall elect the officers of the Society.

Section 3. Quorum

Thirty (30) members of the Society shall constitute a quorum, with the stipulation that at least five different nations are represented.

Section 4. Meeting time

The Triennial General Meeting shall occur during the Triennial Congress on Allelopathy organized by the IAS.

ARTICLE 6: EXECUTIVE COUNCIL

Section 1. Members

The management of the Society shall be vested in an Executive Council. The Executive Council shall consist of the President, the immediate past President (ex officio), the President-Elect, the Congress Vice President, five At Large Representatives, the Secretary, and the Treasurer. Except as hereinafter provided, the term of each elected member of the Executive Council shall be three years. In the event of vacancies, the President shall make interim appointments until the next election is held.

Section 2. Meeting Times

The executive Council shall meet for the transaction of business at least annually. In lieu of formal meetings, these meetings may take place by telephone or electronic conferencing. Special meetings of the Executive Council may be called by the President at any time, and he/she, upon the request of three or more members of Executive Council, must call a special meeting to be held not more than 60 days after the receipt of such a request. Notice of any special meetings shall be served upon each Executive Council member at least 30 days prior to the date of such meeting, specifying the time and place of meeting and the business to be transacted thereat.

Section 3. Quorum

Fifty percent of the total number of members of the Executive Council shall constitute a quorum for all meetings of the Executive Council.

Section 4. Voting

At all meetings of Executive Council, each member thereof shall have one individual vote; however, proxies shall apply. Unless otherwise provided herein, all decisions of Executive Council shall require a simple majority vote. In the case of a draw, the President's vote shall decide.

Section 5. Subcommittees and Appointments

The Executive Council has the power to establish subcommittees as required, and may direct the President to appoint members to particular subcommittees.

Section 6. Assessment of Dues and Other Financial Powers

The Executive Council shall triennially determine

membership dues, and is empowered to make all other such financial decisions as necessary.

Section 7. Legal Obligations

The Executive Council shall consider and make recommendations to the members from time to time on appropriate amendments to the Constitution and Bylaws of the IAS and be responsible for the submission of all required reports and documents to federal and other government agencies.

Section 8. Business and Financial Matters

All business and financial matters requiring action by the membership of the Society shall be transacted at a Business Meeting which shall be scheduled by the Executive Council associated with the Triennial General Meeting of the Society.

Section 9. Standing Rules

The Executive Council may establish Standing rules not in disagreement with this Constitution to meet special or temporary situations and may suspend any existing Standing Rules for the same purpose.

ARTICLE 7: OFFICERS

Section 1. Elected Officers

The Executive Officers of the IAS to be elected by Society members shall be the President, the President-elect, the Congress Vice President, the Secretary, and the Treasurer.

Section 2. At Large Representatives

It is desired that the Executive Council of the Society reflect the geographic and gender diversity of the Society. The Executive Council shall propose a slate of five at large representatives for confirmation at the Triennial meetings in order to ensure broad representation of Society members in governance of the Society. At large representatives will serve three-year terms and will not normally be re-elected.

Section 3. Appointed Officers

Officers may be appointed by the President and include Regional or Country coordinators as appropriate to the needs of the Society. The President may also appoint members to Subcommittees endorsed by Executive Council.

ARTICLE 8: FISCAL YEAR

The fiscal year of the Society shall be from January 1 to December 31.

ARTICLE 9: MEMBERSHIP

Section 1. Eligibility

Membership in the IAS shall be open to any person interested in promoting the objectives of the Society.

Section 2: Rights of Members

The rights associated with membership in the IAS shall be uniform among all members. Each member in good standing, irrespective of type, shall be entitled to one vote on all matters properly coming before the Triennial General Meeting.

ARTICLE 10. FINANCES

Section 1. Authorization

No financial obligation shall be incurred on behalf of the Society by an officer or member unless authorized by the Executive Council.

Section 2. IAS Foundation

The Executive Council shall establish an IAS Foundation for the purpose of supporting the education of scientists working in the field of allelopathy. The Foundation, its finances, and its records will be independent from those of IAS.

ARTICLE 11. AWARDS

Individuals or corporations may apply to endow the following awards which recognize outstanding achievements relating to the field of allelopathy. The Executive Council shall appoint an Awards Committee to solicit nominees, select the award winners and determine the nature of the award. Normally these awards will be presented on a triennial basis. The President will normally present such awards.

Molisch Award: For outstanding academic achievement and/or service relating to the field of allelopathy.

Grodzinsky Award: For the best single publication or book relating to allelopathy.

Rice Award: For the best single paper or article presented by a student at a symposium sponsored by the IAS.

ARTICLE 12: PUBLICATIONS

Section 1. Society Publications

The Executive Council may authorize new publications such as Books, Handbooks, or Symposia Volumes, as the need arises. The Executive Council may appoint members to serve as editors for specific projects.

Section 2. Copyrights

The copyrights of all Society publications shall be under the control of the Executive Council of IAS, when possible.

Section 3. Newsletter and Membership Directory

The Society shall publish a Newsletter annually, and send it to its members. A Directory of Members shall be prepared triennially. The preferred format of dissemination of the newsletter and other Society notices shall be electronic, with print copies made available on request.

Section 4. Web site

The Society shall maintain a web site for the purpose of dissemination of information to members and to the public about the Society and about the science of allelopathy.

ARTICLE 13: BYLAWS

Section 1. Establishment of Bylaws

The Executive Council shall establish appropriate Bylaws, not in conflict with the Constitution, as may be necessary and proper to implement or further clarify the Articles of the Constitution.

Section 2. Procedure

The Bylaws may only be amended by a simple majority of votes of members in good standing collected through postal or electronic ballot or at a Triennial General Meeting. The establishment or amendment of such Bylaws shall require a simple majority vote of the membership. Proposed Bylaws and amendments shall be made in writing to the Secretary 120 days prior to the Triennial Meeting and voting materials shall be distributed to the membership at least two months prior to the Triennial Meeting. Between Triennial Meetings, changes to the Bylaws may be proposed by the Executive Council.

ARTICLE 14: AMENDMENTS TO THE CONSTITUTION

Section 1. Voting

The Constitution may only be amended by a simple majority of votes of members in good standing collected through postal or electronic ballot or at a Triennial General Meeting. Proxies may apply at a Triennial General Meeting.

Section 2. Procedure

Proposed amendments to the Constitution shall be made in writing to the Secretary not less than four months prior to the Triennial General Meeting and upon recommendation of the Executive Council, voting materials shall be distributed to the members at least two months prior to the Triennial General Meeting along with the ballot for election of Officers. Between Triennial Meetings, amendments to the Constitution may be proposed by the Executive Council.

ARTICLE 15: DISSOLUTION OR LIQUIDATION

Section 1. Procedure

In the event of dissolution or liquidation, all liabilities and obligations of IAS shall be paid, satisfied and discharged. Any assets remaining shall be transferred to one or more societies or organizations engaged in activities substantially similar to those of the Society and exempt from taxation under Section 501 (c) (3) of the U.S. Internal Revenue Code of 1954 or corresponding provision of the revenue laws of the United States Government and laws of other countries.

INTERNATIONAL ALLELOPATHY SOCIETY

BYLAWS

Founded in New Delhi , India , September 5, 1994
First edition. Cadiz, Spain, September 19, 1996
Proposed Revision (June 2006)

ARTICLE 1: MEMBERSHIP

Section 1. Types of Members

There shall be seven types of members: Regular, Life, Emeritus, Student, Honorary, Society, and Corporate.

Section 2. Regular, Life and Emeritus Members

Regular and Life membership is open to any person interested in the goals of the Society upon payment of dues, the amount of which shall be established by the Executive Council. Regular Members in good standing may become Emeritus Members, and exempt from payment of annual dues, upon notification to the Treasurer in writing that they have reached retirement age as established by their home organization.

Section 3. Student Members

Student Membership is restricted to students currently enrolled in a college or university. Upon request, proof of enrollment shall be provided to the Treasurer.

Section 4. Honorary Members

The designation Honorary Member is an award of recognition for individuals who have made significant financial or other contributions to the IAS but do not qualify as Regular Members. Honorary members are entitled to all the privileges of Regular members, and shall be exempt from payment of dues. Each honorary member must be approved by the Executive Council.

Section 5. Society Membership

A society, nonprofit corporation or other association concerned with the advancement of allelopathy or related areas, may be elected a member of the IAS by majority vote of the Executive Council. There shall be a written agreement concerning dues and mutual obligations between each such member organization and the IAS.

Section 6. Corporate Membership

Any business organization or corporation interested in allelopathy, allelochemicals, natural products, or environmental issues that wishes to contribute to the support of the IAS may become a Corporate member by a majority vote of the Executive Council.

Section 7. Membership Dues

All dues are to be collected by the Treasurer. The Treasurer may delegate, at his/her discretion, the authority to collect dues to a Regional/Country Coordinator. Annual membership dues for the next

Triennium shall be decided by the Executive Council at the Triennial General Meeting, and members shall be notified through the Newsletter by the Treasurer by December 1 of each year. Only the Executive Council has the right to waive dues.

Section 8. Membership Benefits

Society members will receive a reduced registration cost for the Triennial Congress. Funds permitting, Society members may be given a discount on Society publications. This discount will be decided by the Executive Committee.

Section 9. Non-payment of dues

A member whose dues are three years in arrears shall cease to be a member of the Society. Membership dues not paid by December 31 of a fiscal year are considered in arrears for one year.

ARTICLE 2: DUTIES OF OFFICERS

Section 1. President

The President shall be the chief executive officer of the Society. It shall be his/her duty to preside at the business and general meetings of the society. He/She shall have the power to call meetings of the Executive Council. He/She shall appoint the members of committees authorized by the Executive Council. In the absence of the President, the President-Elect shall replace the President. The President, upon completion of his/her term of office, becomes an ex officio member of Executive Council for a period of three years.

Section 2. President-elect

The President-elect will serve as the chief executive officer of the Society in the absence of the President. He/She will assist in fulfilling the objectives of the Society. The President-elect will normally be nominated to serve as President at the completion of his/her term.

Section 3. Congress Vice President

The Congress Vice President will be responsible for organizing the next Triennial Congress. In the absence of both the President and the President-elect, the Congress Vice President shall preside over the meetings of the Executive Council.

Section 4. At Large Representatives

The At-Large Representatives will assist with Society business as requested by the President and Executive

Council. In particular, they will assist the treasurer and secretary with keeping membership information for the Society up to date.

Section 5. Secretary

The Secretary shall be responsible for keeping complete minutes of the Triennial General Meeting and its Business Meetings, and all meetings of the Executive Council. The Secretary shall conduct the correspondence of the Society, except as otherwise provided. The Secretary shall be responsible for distributing special notices to the membership, including notice of elections of officers. The Secretary shall be responsible for the annual publication and electronic distribution of a Society newsletter. In the absence of the President, the President-elect, and the Congress Vice President, the Secretary shall preside over meetings of the Executive Council.

Section 6. Treasurer

The Treasurer shall collect and receive all money due to IAS, except as otherwise provided. The Treasurer shall have custody of IAS funds, shall make disbursements for debts of the society, and shall keep a full accounting of the Society's financial transactions. He/she shall issue dues notices at the beginning of the fiscal year and dues reminders as required during the fiscal year to members not current in dues. The Treasurer shall keep the membership list of the society up-to-date. At the beginning of the fiscal year, and at other times upon request, she/he shall supply to the members of the Executive Council a list of all members in good standing. The Treasurer shall report to the Society at each Triennial General Meeting the financial operations and membership data for the current fiscal years, and shall submit a financial report for the previous triennium. Interim reports on membership and finances (including the annual budget) will be made to the Executive Council every January. Reports will be examined by the Executive Council. Financial reports of the Society shall be published in the Society Newsletter. Auditing of the financial statements will not be required, but may be requested by the Executive Council. Results of any audits shall be presented to the general membership at the Triennial General Meeting and shall be published in the Society newsletter.

Section 7. Regional or Country Coordinators

Regional or Country Coordinators are appointed by the Society and together constitute the Coordinators Subcommittee of Executive Council Coordinators

represent the interests of the IAS on a regional basis. Coordinators may establish regional chapters of the IAS, may collect membership dues and forward these to the Treasurer, may distribute official notices of the IAS on behalf of the Secretary, and may organize regional meetings in the name of the IAS with approval of the Executive Council.

ARTICLE 3. FINANCES

Section 1. Authorization

The Executive Council may authorize any officer(s) or agent(s) to enter into contracts or to execute and deliver such items in the name or on behalf of the IAS. Such authority must be confined to specific instances as required.

Section 2. Signatures

All checks, drafts, or other orders for the payment of money in the name of the IAS shall be signed by such officer(s) or agent(s) as designated by the Executive Council. Any checks in excess of US \$1,000 must be signed by the Treasurer and the President.

Section 3. Deposit

All funds of the IAS shall be deposited promptly to the credit of the IAS in such guaranteed banks in such international currency as the Executive Council may select.

Section 4. Annual Budget

The annual budget shall be approved by the Executive Council.

Section 5. Audit

As specified in Bylaws Article 2 Section 6, the Treasurer, with approval from the Executive Council, is authorized but not required to conduct an annual audit of the IAS books and accounts with an independent certified public auditing company. The completed results will be presented to the Executive Council.

Section 6. Source of Funds

The funds of the IAS shall consist of:

- (a) Annual membership fees.
- (b) Donations.
- (c) Grants-in-aid from governments, United Nations Agencies (i.e., UNESCO), institutions, other societies, or individuals interested in the work of the IAS.
- (d) Royalties or sales of publications.
- (e) Charges for publishing advertisements in the

publications of the IAS.

(f) Other sources as determined by the Executive Council.

Section 8. Use of funds

The IAS shall not be organized or operated for profit. Except as specified in this Article, no part of the funds of the Society may under any circumstances benefit any private individual who is not an employee of the Society. The IAS shall not engage in any transactions which result in the diversion of any part of its funds to any officer or member of this Society.

Section 9. Donors

Donors who contribute to the IAS may:

(a) Designate the purpose for which their gifts may be used.

(b) Establish a named fund.

(c) Remain totally anonymous.

The donation may be in cash, securities, gifts or in bequests: charitable trusts, real estate and/or life insurance policies. The society reserves the right to refuse any particular donation deemed inappropriate by Executive Council.

Section 10. Types of Donations

Donations may entitle individuals or corporations to certain recognition on a basis to be determined by the Executive Council, as follows:

IAS PATRON: Individuals or corporations who contribute US \$1000 or more shall be recognized as patrons of the IAS. Individuals who have contributed US \$1000 or more shall be considered by the Executive Council for Honorary Membership Status.

IAS BENEFACTOR: Individuals or corporations who contribute US \$599-\$999 shall be recognized as benefactors of the IAS.

IAS FRIEND: Individuals or corporations who contribute US \$100-\$499 shall be recognized as friends of the IAS.

Section 11. IAS Foundation

The Executive Council shall establish an IAS Foundation independent from the Society for the purpose of supporting the education of scientists working in the field of allelopathy. While the Foundation and its records will be independent from IAS, the Constitution and Bylaws of the Foundation must be approved by the IAS membership under the same procedures used to amend the IAS Constitution and Bylaws.

The Foundation will be registered as a not-for-profit organization under the 501(c) (3) designation of the United States Internal Revenue Service.

ARTICLE 4: TRIENNIAL GENERAL MEETING

Section 1. Election Procedures

Election of Society officers shall be by ballot. Preferential voting shall apply. A tie vote will be resolved by lot. Nominations, to be signed in writing by the proposer and nominee, shall be called for at least 120 days before the Triennial General Meeting. Members will be advised of nominations at least 30 days prior to the Triennial General Meeting and the ballot paper will show the names of candidates for each position in random order.

Section 2. Proxy Voting

Voting on amendments to the Constitution and/or Bylaws, and for the election of members of Executive Council, may be done by proxy. Any member wishing to vote by proxy must nominate and confirm in writing the holder of their proxy. Voting by proxy waives the right to vote in person.

Section 3. Procedures

The parliamentary procedure for all business meetings of the Society shall be governed by Robert's Rules of Order, current revised edition, and the Executive Council shall designate a Parliamentarian to handle any questions that arise.

ARTICLE 5: COMMITTEES

Section 1. Nominating Committee

Officers will be nominated by a Nominating Committee chaired by the Past President of the Society and including two members of the Society selected by the President.

Section 2. Awards Committee

The Executive Council shall appoint an Awards Committee to solicit nominees for Society awards, select the award winners and determine the nature of the award. The Awards Committee will be chaired by the President, and will include the Congress Vice President, Secretary and two of the at large representatives to the Executive Council.

Section 3. Congress Selection Committee

The Congress Selection Committee is appointed by the Executive Council and is chaired by the President. The Executive Council will review the recommendations of this committee and present recommendations on the site of the Triennial Congress for confirmation to the membership at the Triennial General Meeting of the Society.

ARTICLE 6: GENERAL PROVISIONS

Section 1. Official Representation

Where official representation of the IAS is desirable, the President or his/her designate shall represent the Society. All officials and/or representatives of the IAS shall serve without remuneration, but may, with the approval of the Executive Council, may be reimbursed for restricted expenditures incurred in their representation.

Section 2. Use of Name

IAS advocates the establishment of national and/or continental allelopathy societies, and authorizes those organizations to use the name "International Allelopathy Society-Country Name or Continental Name", with the approval of the Executive Council.

Section 3. Use of Mailing List

The electronic and/or postal membership mailing list of the Society shall be released to private or commercial interests only when in the judgment of the Executive Council such a distribution will benefit the Society.

Section 4. Prohibition of Political Activity

No part of the activities of the Society shall consist of carrying on propaganda or otherwise attempting to influence legislation. The IAS shall not participate in or intervene (including the publishing or distributing of statements) in any political campaign on behalf of a candidate for public office.