



**PAAA Newsletter** Spring 2007  
Pan-American Aerobiology Association [www.paaa.org](http://www.paaa.org)

**Don't miss**

## *Aerobiology 2007 Symposium*

Penn State University

8 - 11 June 2007

Conference Registration: <http://www.paaa.org/>

## *Spore Camp 2007*

Penn State University

12-13 June 2007

Conference Deadlines:

Abstract Submission Deadline.....March 20, 2007

Early Registration fee Deadline...May 1, 2007

*The Pan-American Aerobiology Association (PAAA) is an assemblage of individuals with diverse scientific backgrounds and expertise who have a common interest in the sources, dispersal, and deposition of airborne biological particles. The organization was officially constituted in June 1989 during the Second Canadian (and first Pan-American) Symposium on Aerobiology. The PAAA is an associated organization of the International Association of Aerobiology (IAA) and acts as the representative of the IAA in the Americas. You may join the PAAA at [www.paaa.org](http://www.paaa.org). PLEASE JOIN US!*



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Address Correction Requested

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## PAAA Executive Committee – 2006-7

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**Amigos y Miembros de la PAAA fuera de los Estados Unidos de América:**  
*aceptaremos gustosos sus contribuciones en español, portugués o francés. Según las posibilidades de la edición, saldrán en el idioma original, o traducidas al inglés.*

## Message from the President

Charles Barnes – [barnescs@umkc.edu](mailto:barnescs@umkc.edu)  
*Tulsa – Gateway to the Ozarks*

## **Thanks**

I would like to thank Estelle Levetin for hosting the most recent PAAA meeting in Tulsa. As those of us who have been there before know, Tulsa is a beautiful city and the University is an excellent facility for a meeting like ours. As for the gateway to the Ozarks, the mayor of Tulsa describes his city's location on his home page as being in the foothills of the Ozark Mountains and although it is not widely known the Ozarks are quite beautiful.

I thought the program offerings of the Tulsa meeting were excellent. I know not everyone uses monoclonal antibody detection of mold spores and pollen grains but I have been following Detlef Schmechel's work for years and his keynote address was very interesting. Also Richard Shaughnessy's insights into the properties (or lack thereof) of the Ionic Breeze and the differences between Consumer Reports and Sharper Image were extremely enlightening. The other talks and discussions that covered everything from tee tree oil to soybean rust contributed to a very successful meeting. The most interesting part of the meeting however was the well attended group discussion on the future direction of the PAAA. I actually took notes and here are some of the themes that were mentioned by many of the attendees. Most speakers commented on the positive aspects of the "warm small group feeling" and "inclusiveness" always found at our meetings. Several persons noted the need to increase the visibility of Aerobiology as a science and the low number of academic positions in Aerobiology was mentioned by more than one speaker. There were good comments about the quality of our

meetings, the value the members receive from the organization, the good mix of academic and business interests found in the membership, the quality of the web site and the general benefit to the community provided by the certification program. I came away from the discussion with a very good feeling about our organization and its future.

### **Committee Work**

I would also like to use this space to emphasize the work of one of our committees. The Biological Sampling Strategies (BOSS) Working Group has been working on establishing uniform sampling strategies to standardize collection and analysis of airborne biological particles. As many of you know, the ASTM has also been working on a standard for sampling and evaluating spores collected using portable spore trap devices. Many of our members are also involved with this ASTM effort. Although it is very important that standards be established, it is also important that established standards be not only workable but also academically rigorous. This tends to be a difficult task and one our members should pay attention to in the coming year.

### **Meeting at the 2007 Conference at Penn State**

I am also looking forward to our 2007 meeting in University Park, Pennsylvania. The Pennsylvania State University (which is the proper name as any Penn State alum will tell you) is one of the nation's oldest and most prestigious universities and I am sure it will provide an outstanding venue.

Thanks

Charles S. Barnes, Ph.D.

## **AEROBIOLOGY 2007 8-11 – June Conference**

The PAAA (Pan-American Aerobiology Association) will sponsor its annual conference from June 8 – 11, 2007 on the campus of Penn State University, University Park, PA.

Spore Camp will be held at the same location on June 12<sup>th</sup> and 13<sup>th</sup> 2007.

The primary objectives of the conference are: (1) to foster communication among those involved in the many disciplines encompassed by aerobiology, (2) to provide a forum for the presentation and discussion of recent and ongoing research in aerobiology, (3) to encourage new investigators (especially students) in aerobiology.

Since aerobiology is a multi-disciplinary field there will be a wide variety of topics covered during the conference. The scientific program will be divided into the following topics:

1. **Emission:** sources, quantification, phenology, vegetation change, climate change, migration and dispersal.
2. **Transport:** models, forecasts, spatial and temporal scales, risk assessment, migration and dispersal.
3. **Impact:** medicine and human health, epidemiology, genetics, microbiology, agriculture, ecology, biometeorology, toxicology, industrial and environmental hygiene, cultural heritage, biosecurity, forensics, and engineering.
4. **Methods:** standardization, quality control, statistics, techniques, and information technology.

## Conference Information

Aerobiology 2007 will take place in the Huck Life Science Building on the Penn State Campus from June 8 to 11, 2007.

**A reception** will be held on Friday June 8, 2007 with the official opening of the **scientific sessions** on Saturday morning June 9. The Symposium will end Monday June 11 at noon.

**Spore Camp** will take place at the *Fusarium* Research Center in the Department of Plant Pathology on June 12 and 13, 2007. The Center contains the world's largest collection of cultures of *Fusarium*, one of the most important genera of toxigenic and pathogenic fungi.

**Pre-Conference Workshop:** Nuts and Bolts of Indoor Allergen Assaying, [Penn State University](#), June 8, 2007, 8:30-12:30, \$50

This workshop includes:

- Presentation on the source presence, significance and practical means of determining the type and concentrations of indoor allergens.
  - Demonstration of immuno assay enzyme linked analysis (ELISA) techniques.
  - Participant use of rapid dust mite allergen detection kits.
- Participants are encouraged to bring suspect dusts ( approx. 1 gram) from homes, buildings, etc. for use in demonstration of ELISA during the workshop.

**Pre-Conference Workshop:** Modeling of Indoor Airflows and Aerosol Transport Using CONTAMV  
[Penn State University](#)

June 8, 2007, 1:30-5:30, \$25

This workshop includes:

- Overview of the impacts of building construction, HVAC (Heating, Ventilation, and Air-Conditioning) systems, weather conditions, and aerosol characteristics on air flow and contaminant transport in buildings.
  - Introduction to modeling of indoor air flow and contaminant transport using the National Institute of Standards and Technology's CONTAMW software.
- The registration fee includes the cost of handouts and a copy of the CONTAMW manual. Seats available 12.

**Post-Conference Workshop Topic to Be Announced**  
[Penn State University](#), University Park, Pennsylvania  
June 8, 2007, 8:30-12:30, FREE

For many PAAA attendees this workshop is one of the most valuable components of the conference. Everyone brings photos (digital) of their unknown and/or interesting spores encountered. Discussion follows. Sometimes consensus is reached, sometimes not. Participants are encouraged to bring anything they would like to share or have questions about.

## Conference Abstracts

Abstracts submitted by March 20 will be reviewed for scientific merit and relevance to the objectives of the Symposium. Abstracts should be sent to Annalisa Ariatti, [aa15@psu.edu](mailto:aa15@psu.edu) and should be structured as follows:

1. TITLE (all capital letters)
2. AUTHORS: first name in full, last name (presenting author underlined)
3. AFFILIATION
4. TEXT

Please follow the example below:

SPATIAL AND TEMPORAL DIMENSIONS OF THE SOYBEAN RUST  
INCURSION INTO NORTH AMERICA.

Annalisa Ariatti<sup>1</sup> and Scott Isard<sup>2</sup>

<sup>1</sup>University of Illinois at Urbana-Champaign, IL, U.S.A.

<sup>2</sup>Penn State University, State College, PA, U.S.A

Accepted Formats: Microsoft Word, Notepad, Wordpad  
All Posters will be presented in the poster discussion session.

### **Conference Registration, Housing, Abstract Forms**

All additional conference information and all forms are available at the PAAA web site <http://www.paaa.org/>.

### **Conference Registration**

The conference registration form will be available for download on the PAAA website as soon as details are finalized. Hard copies of the form will be mailed on request.

The deadline for early registration (discounted fee) is 1 May 2007. Details on payment methods are posted at the PAAA website.

### **Conference Contact Information**

Annalisa Ariatti, Dept. of Plant Pathology  
Penn State University  
218 Buckhout Lab  
University Park PA 16802 USA.  
E-mail: [aual5@psu.edu](mailto:aual5@psu.edu)

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**Penn State University** is located in University Park, immediately adjacent to the town of State College in Central Pennsylvania, at a convenient distance from New York, Philadelphia and Washington. Local flights connect State College to Philadelphia, Washington, Detroit, and Cincinnati. The Campus is approximately 5 miles away from the University Park Airport and taxi services and bus shuttles are available to and from the airport.

The town of State College offers a great variety of shops, restaurants, entertainment. The Shawnee and Delaware Indians were State College's earliest inhabitants. The valley and its famous landmark, Mount Nittany, are named for the mythical princess Nita-Nee, a Lenni-Lenape of the Delaware tribe.

Central Pennsylvania, with its beautiful natural scenery of forests, lakes and rivers offers a full range of outdoor recreation opportunities from hiking to canoeing, caving and caverns, wildlife parks, rock climbing and mountain biking. The history of this region can be discovered by visiting heritage museums and historical landmarks.

### **The Conference Chair for Aerobiology 2007**

**The Conference Chair** for Aerobiology 2007 is Annalisa Ariatti (Penn State University).

**The Scientific Committee** is composed by Scott Isard (Penn State University), William Bahnfleth (Penn State University), Larry Syzdek (New York State Museum) and Annalisa Ariatti (Penn State University).

**The Organizing Committee** members are Annalisa Ariatti (Penn State University), Regula Gehrig (MeteoSwiss), James Freihaut, (Penn State University), Scott Isard (Penn State University).

**The Spore Camp Committee** is composed by David Geiser (Penn State University), Christine Rogers (University of Massachusetts), and Mike Muilenberg (University of Massachusetts).

### **ASTM Standard Protocols**

As many of you know the American Society for Testing and Materials has put together a series of subcommittees under their overall D22 Committee on Air Quality. There are work groups writing five standard protocols at this time. They are:

- Guide for Assessment of Fungal Growth in Buildings
- Standard Test Method for Mold Specific Quantitative PCR (MSQPCR) Analysis of Molds/Fungi
- Standard Test Method for the Determination of Fungal Spore Concentration in Air By Optical Microscopy of an Impactor
- Sample Standard Practice for the Collection of Total Airborne Fungal Spores via Non-culturable Slit Impaction Methodology
- Standard Guide for Sample Collection of for Surface Fungal Particulate by Transparent Adhesive Tape Technique

The standard for assessment of fungal growth in buildings is near final form. All of the other protocols are still in the draft process. When completed these standards will be published in the Annual Book of ASTM Standards..

ASTM International is a voluntary standards development organization and-a trusted source for technical standards for materials, products, systems, and services. ASTM International standards are known for their high technical quality and market relevancy and have an important role in the information infrastructure that guides design, manufacturing

and trade. ASTM International was originally known as the American Society for Testing and Materials (ASTM). It was formed over a century ago and has continued to produce consensus standards that make products and services safer, better and more cost-effective. ASTM technical committees are made up of professionals from around the globe who develop ASTM standards. There are over 130 ASTM technical committees covering diverse industry areas ranging from metals to the environment.

ASTM Committee D22 on Air Quality meets twice a year, in April and October, with approximately 100 members attending over three days of technical meetings. The entire Committee has a membership of over 400. These standards have, and continue to play, a preeminent role in all aspects relating to the methodology for sampling and analysis of source emissions, ambient, workplace and indoor atmospheres, and meteorological conditions. Several PAAA members currently serve on ASTM Committees and are actively involved in the production of Aerobiology related standards.

-- *Charles Barnes*

### **Computational Epidemiology and Aerobiology Laboratory Established at Penn State University in 2006**

This year, Scott Isard, Erick DeWolf, and Annalisa Ariatti founded the Computational Epidemiology and Aerobiology Laboratory (CEAL) in the Department of Plant Pathology at Pennsylvania State University. The goal of the lab is to promote understanding of the spatial and temporal dynamics of plant pathogens and pests that impact the productivity of agricultural systems.

CEAL faculty, researchers, and students focus their studies on pest detection, disease forecasting, epidemiology, and aerobiology topics. Students are encouraged to initiate research and develop applications to enhance their knowledge of the dynamics of plant pathogens and pests at local, regional and global scales. At CEAL, facilities are available for faculty, staff, and students to conduct farm and laboratory experiments, as well as to perform research activities with ad hoc tools for temporal and spatial data analysis, data mining, geographic information systems, and web interface design.

Currently, the main research foci at CEAL is soybean rust (*Phakopsora pachyrhizi* Sydow), one of the most destructive foliar diseases affecting soybean. Several students, under the supervision of Professors Scott Isard and Erick De Wolf, are working on projects involving this pathogen. In his thesis research, Nick Dufault, Ph. D. candidate, is focusing on dry and wet deposition processes of soybean rust urediniospores in a soybean canopy. Justin Dillon, another Ph. D. Candidate in the Plant Pathology Department., is studying the effect of cultural practices on soybean rust epidemics. Maria Velez, a Master student at CEAL, is addressing adhesion mechanisms of *P. pachyrhizi* urediniospores in her thesis while Jeremy Zidek, also a Master student, is conducting research on *P. pachyrhizi* spore escape from a soybean canopy. The role of harvesting operations on the aerial spread of soybean rust is the subject of Annalisa Ariatti's current research project.

*Fusarium* head blight, a devastating disease affecting wheat and barley, is a second major research theme at CEAL. Dr. Erick DeWolf, Julio Molineros, Ph. D. candidate, and Mizuho Nita, Post-Doctoral scholar, are actively involved in a cooperative effort to develop a predictive risk model for *Fusarium* head blight. This effort is sponsored by the USDA's

Wheat and Barley Scab Initiative. The thesis research of Katelyn Tilley, a master student at CEAL, is focused on the effects of moisture applications during kernel development on *Fusarium* head blight disease intensity and mycotoxin accumulation.

-- Scott Isard and Annalisa Ariatti

## **The Spread of Soybean Rust in 2005 and 2006**

During the 2005 soybean growing season, soybean rust spread across the southeastern United States was slower than anticipated. Despite the fact that *P. pachyrhizi* was found as far north as Missouri and throughout the southeastern states in late fall of 2004, the winter of 2004/05 had a few severe cold spells, which caused considerable dieback of kudzu (*Pueraria lobata*), the primary alternative hosts of soybean rust in North America. As a result, the only known over wintering site for soybean rust in 2004/2005 winter was in central Florida. Another reason why soybean rust did not cause much yield loss in 2005 could have been due to the low amount of inoculum produced on kudzu. All the soybean fields that were infected early in the season received a fungicide treatment which limited the production of urediniospores and the spread of the disease as well.

In February 2005, *P. pachyrhizi* was detected on kudzu in Pasco County, and one month later in Marion County, both locations in the peninsula of Florida (Soybean Rust Information Web Site, USDA). In April, the pathogen made its first appearance on volunteer soybeans in Seminole County, Georgia. The next official detection took place in June 2005, when soybean rust was found on kudzu in Jefferson County, Florida. It is speculated that high air temperatures associated to dry weather during late spring and early summer may have decreased the infection efficiency of the pathogen (Sconyers et al., 2006). The detection of *P. pachyrhizi* on soybean finally increased in the southeastern U.S. during August with peak of observations occurring at harvest time, in October and early November. The phenomena could be attributed to a more extensive scouting effort. In late October 2005, Mexico reported the presence of *P. pachyrhizi* on soybean in the state of Tamaulipas, the northernmost Mexican state that borders the Gulf of Mexico and in the state of San Luis Potosi, which borders Tamaulipas to the west. One month later soybean rust was found

on a kudzu patch in Texas.

In the early months of 2006, the number of reports of infected kudzu was higher compared to the same time last year. Over wintering of soybean rust was observed in Alabama, Georgia and in several counties in Florida. *P. pachyrhizi* inoculum production was very low in the south due to drought conditions throughout much of the region during the late spring and early summer. However, by late summer, commercial fields in Louisiana became heavily infected with soybean rust. In late September, a mid-latitude cyclone moving across the High Plains transported spores from this source region into the lower Ohio River valley. Fortunately for farmers, soybean plants were mature and past the stage where crop yields were reduced by the disease. However, symptoms of soybean rust were identified in Illinois, Indiana, Kentucky, and Missouri. An animation of this transport event is available on CEAL web site. Animated comparisons of SBR spread in the US for the years 2005/2006, 2006/2007 and 2005/2007 are available at <http://www.ceal.psu.edu/sbrcomparisons.htm>

The USDA Soybean Rust Information System <http://www.sbrusa.net/>, developed in 2005 by Scott Isard (PSU) and Joe Russo (ZedX Inc) for the surveillance, reporting, forecast, and management of soybean rust has been expanded in 2006 with the creation of the Pest Information Platform for Extension and Education to provide producers with information about additional legume pests and diseases. This implementation will include a soybean aphid component and a USDA Risk Management Agency tool to allow growers to document their good management practices for diseases and insect pests of soybean. Annalisa Ariatti has constructed a number of interesting animation of the spread of the rust by hurricanes and throughout the season that can be viewed at [www.ceal.psu.edu/risk.htm](http://www.ceal.psu.edu/risk.htm).

-- *Scott Isard and Annalisa Ariatti*

## 2005-6 PAAA Latin American Committee News & Awards

The Latin American Committee awarded \$500 to Gabriela Murray, at Laboratorio de plantas Vasculares, Univ. Nacional del Sur, San Juan, Argentina - [mgmurray@criba.edu.ar](mailto:mgmurray@criba.edu.ar) for travel to the 2006 IAA Switzerland Conference. An annual committee award of varying amount is available to encourage PAAA conference participation by assisting in attendance expenses for Latin American members who are distant from the annual conference location.

Ideas about the needs or interests of the Latin American aerobiology community are needed and should be sent to Ines or Dan at their email addresses below. From this information, the emphasis or theme of the workshop or meeting will be derived.

*Requests for 2007 award(s) are welcome and should be sent to Paul Comtois [comtois@ere.umontreal.ca](mailto:comtois@ere.umontreal.ca) or Inez Hurtado [ihurtado@tampabay.it.com](mailto:ihurtado@tampabay.it.com) or Daniél Friedman [dfriedman@inspect-ny.com](mailto:dfriedman@inspect-ny.com)*

***Amigos y Miembros de la PAAA fuera de los Estados Unidos de América: aceptaremos gustosos sus contribuciones en español, portugués o francés. Según las posibilidades de la edición, saldrán en el idioma original, o traducidas al inglés.***

## 2005-6 PAAA Student Development Awards

The PAAA 2005-6 Student Development Award winner (\$500) this year is one of Estelle Levetin's U. Tulsa graduate students, Abeer Khattab - [abeer-khattab@utulsa.edu](mailto:abeer-khattab@utulsa.edu).

Her project is entitled "Aerobiology of Penicillium / Aspergillus Spores" and she attended the 8th International Congress on Aerobiology this past summer.

## 2005 PAAA Participation Award

Daniel Friedman, an aerobiologist and building failures researcher from Poughkeepsie, NY and San Miguel de Allende, Mexico, was awarded the 2005 PAAA participation award for assisting in presentation and 2005 conference organization.

*Requests for consideration for the 2007 awards in any PAAA category should be sent to the PAAA President ASAP. See [www.paaa.org](http://www.paaa.org) for details.*

## Request for PAAA 2007 Officer Nominations

The PAAA 2007 Nominating Committee which will propose candidates for 2007 includes Past President Michael Muilenberg, Paul Comtois, nominated by the Executive Committee, and a member suggested by the attending members: Palmer Hines was elected.

PAAA members are welcome to submit their own names or the names of other PAAA members for any PAAA position. Nominations will also be permitted from the floor during the June 2007 membership. Nominate yourself – serving as an officer is a great way to learn more aerobiology! - *contact any of the committee members listed above, or attend the PAAA 2007 membership meeting in State College, PA.*

## PAACB Update

The PanAmerican Aerobiology Certification Board (PAACB) is a non-profit organization, founded by PAAA members to, as stated on the website, “promote accuracy in the identification and quantification of airborne fungal spores and pollen grains by conferring certification to analysts who demonstrate a specific level of knowledge of aerobiology, and competency in microscopic identification.”

This voluntary program is currently testing analysts, through a take-home Qualifying Exam and a proctored “Certification Exam”, and conferring certification of “Spore Analysts Level 1”. During the upcoming year, the Scientific Committee plans to introduce a “Spore Analyst Level 2”

program for those with a high level of expertise in aeromycology and spore identification.

The exams cover aspects of fungal aerobiology, terminology, and spore identification. During calendar year 2005 and the first few months of 2006, 44 registrants took the qualifying exam and 82% passed on their first attempt.

During the same period, of the 46 taking the Certification Exam, 72% passed and attained certification on their first attempt and, the passing percentage was 78% following the successful second attempt by a few registrants. The exams are designed to be thorough and rigorous; those that attain certification have demonstrated a level of competence that should be viewed as a benchmark for a high quality analytical laboratory.

For more information on the PAACB program, please go to the website, <[paacb.org](http://paacb.org)>, or contact the administrator at [administrator@paacb.org](mailto:administrator@paacb.org).

-- M.L. Muilenberg

**New Contact Information for Christine Rogers and Mike Muilenberg** has accepted an Asst. Professor appointment at University of Massachusetts-Amherst and started teaching in September 2006. Chris and Mike Muilenberg have moved their laboratory from Harvard School of Public Health to UMass although, for the time being, they are still maintaining appointments at HSPH. Their new contact information is:

Christine A. Rogers, Environmental Health Sciences  
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Massachusetts-Amherst, 639 North Pleasant St.  
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## Advanced Aerobiology Course - AA2006



The 2006 Advanced Aerobiology Course (AA2006) was held in Val De Nandez, Switzerland, August 14-19, 2006 and was outstandingly organized by Regula Gehrig and Bernard Clot from MeteoSwiss.

The course took place at the Hotel de Siviez, located in the small village of Siviez in the Swiss Alps, at an elevation of 1700 m and was attended by 26 students, from 14 different countries.

An international team of teachers delivered lectures, organized class and labs activities, and field excursions: Annalisa Ariatti (United States), Paul Comtois (Canada), Marut Doctor (Switzerland), Carmen Galan (Spain), Regula Gehrig (Switzerland), Scott Isard (US), Mathias Rotach (Switzerland), Jean-Paul Theurillat (Switzerland), Larry Syzdek (United States).

PAAA members participation was excellent: Three students (Christine Rogers, Mike Muilenberg, Duane Salinas) and five

teachers (Annalisa Ariatti, Paul Comtois, Carmen Galan, Scott Isard, Larry Syzdek).

The focus of AA2006 was pollen dispersion and transport in an alpine environment. Pollen, weather and phenological data were collected the year before during a four-month measuring campaign by MeteoSwiss and the University of Berne. Pollen data were measured at six locations in Val de Nandez at an altitude ranging from 480 m to 2160 m.

Alpine vegetation, alpine weather and climate, pollen production, pollen source strength, deposition gradients, GPS field measurements, GIS mapping and geostatistical analysis were also core subjects of this intensive course.

An excursion to Sion with a typical dinner and a one-night salsa dance course the last evening contributed to the success of AA2006.

-- Annalisa Ariatti



Swiss IAA aerobiologists demonstrate ancient aerobiological devices.

## **PAAA 2006 Annual Meeting Results**

As many of you know we had a short meeting at the IAA in Neuschatel, but there were not enough members present to make a quorum. Therefore we have had a virtual meeting. Thanks to Palmer Hines we had a bulletin board we used to post things and have discussion. The bulletin board is still up and can still be used for communication. The address of the bulletin board is:

<http://paaa.19.forumer.com/index.php>

## **PAAA Dues Reduction**

The record of the entire meeting is posted in the bulletin board. You will need to set up a user name and password for yourself at the bulletin board if you want to post things. Even if you didn't follow along with the discussion on the bulletin board, I tried to make sure that essential items got to everyone by E-mail also.

## **PAAA representatives on the IAA Executive Council.**

By virtue of our numbers we are currently entitled to three representatives in addition to the PAAA members who serve as officers of the IAA. At the PAAA meeting in Neuschatel, Scott Isard, Ines Hurtado and Paul Comtois agreed to serve as our representatives to the IAA Executive Council for 2007.

## **Further reports from the Executive Committee**

**Vice President Report** – Mary Jelks has no specific report other than to say that she is looking forward to reports about use of GIS for reporting of counts. Also she is planning on attending spore camp in June. As she is still finding spores that she needs help identifying.

**PAAA Recording Secretary report August 2006** – A proposed version of the minutes of the 2005 General Meeting have been produced in collaboration with Charles Barnes and Michael Muilenberg.

**PAAA Archive Proposal:** Is there an archive of all the Executive and General meetings of the PAAA? If so let me know I will include the final version of the 2005 General Meeting. If there is no PAAA archive, I propose that we create one. Previous recording secretaries could simply send the information they have to me to build that reference collection. The archive would not have to be transported from one recording secretary to another. It could just stay at the same place. The recording secretary could just send the information to be archived each year.

-- *Ginette Leclaire*, Recording Secretary [edited for brevity by DJF]

**PAAA Website** – As Webmaster of the PAAA I wish to encourage members to send material to me (aerobiological news, meeting information, articles and books published, etc) to keep our Website updated and lively. Annalisa had already reported previously at the Neuschatel meeting that members from some Asian countries, particularly China, cannot view the website; she will look into this. She also stated that information on Aerobiology 2007 (at Penn State Univ) is on the website. Members should submit any relevant contributions, news, etc. for the website, directly to me. - Annalisa Ariatti

**SDA Chair Chris Rogers** – Chris Rogers reported that Abeer Khattab was the winner of the 2005 Student Development

Award based on her abstract on the aerobiology of Penicillium and Aspergillus spores. Congratulations to Abeer!

**Latin American Committee** – The LA Award was offered to Gabriela Murray although at the last minute she found out she could not attend the IAA Congress. The LA Committee will work with Gabriela to determine how the award can best be used.

### **Committees and interest groups**

**Guidelines for analysis (DME)** – Larry Syzdek announced that he and Ginette Leclaire were working on a protocol for analyzing slit impactors (grab samples), e.g., Air-O-Cell, portable Burkard.

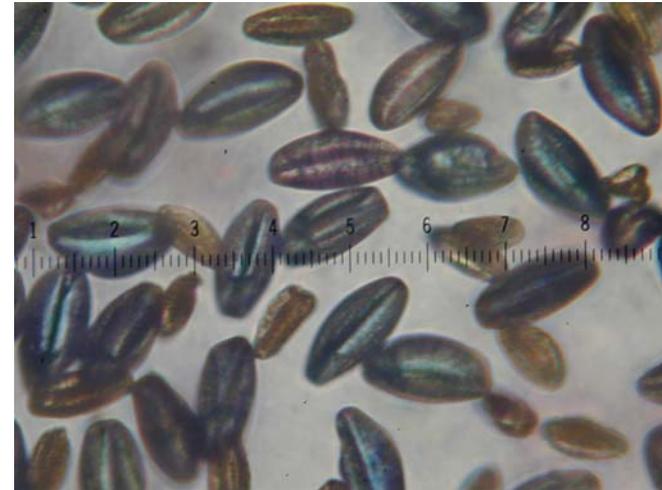
## **VI. New Business**

### **A. Upcoming meetings/activities**

1. **2007 Annual Meeting** – at Penn State. Annalisa Ariatti, organizer of the next meeting gave details of the meeting in “new business”, above.
2. **2008 Annual Meeting** – it was suggested that the 2008 PAAA meeting might possibly be held in conjunction with the Aerosol Research meeting
3. **Other business** – Min Zhu asked that the PAAA consider offering travel grants for non-North American/Latin American members (for example, Asian members). The expense of coming to meetings in the Americas for these members is usually prohibitive. This can be further discussed by the Executive Committee and the general membership.

-- Charlie Barnes - [barnescs@umkc.edu](mailto:barnescs@umkc.edu)

*Contributions to the PAAA Newsletter are always welcome. Reviews of books or articles, summaries of recent meetings, news from your lab or firm, photos of interesting spores/pollen/other, etc. can be sent to Dan Friedman - [dfriedman@inspect-ny.com](mailto:dfriedman@inspect-ny.com)*



Poppy Pollen – collected by DJFriedman